RESPONSE TO COMMENT FORM	Date: May 29, 2013	Page 1 of 5
To: Minnesota Pollution Control Agency (MPCA)	From: ARCADIS (on behalf of the Ford Company)	
Project Name & Location: Response to MPCA *Review of May 2012 Supplemental Phase II Exterior Investigation Report*, submitted May 31, 2012 (Comments received from MPCA via email on February 4, 2013).	Original Comments From: MPCA	

Type of Action: *(Check appropriate boxes)*

- ☐ Draft Document
- ☐ Draft-Final Document
- ☒ Final Document
- ☐ Other _____
- ☐ Chemistry
- ☐ Geology/Hydrogeology
- ☐ Safety & Health
- ☐ Engineering
- ☐ Risk Assessment
- ☒ Other Supplemental Phase II Summary Report

Cmt No.	Page No./ Section No.	MPCA Comment:	*	Ford Company Response/Comment
General Comment	Not Applicable	Although the Report includes much soil and groundwater data that helps advance the environmental investigation at the Site, the evaluation of that data is largely limited to exceedances of Industrial Soil Reference Values (SRVs) and Health Risk Limits (HRLs), respectively. The need for a more in-depth evaluation and presentation of data collected at the Site has been discussed with Ford and Arcadis in the past. We recognize that project staff at both companies has since changed, so we see this [letter] as an opportunity to reaffirm the MPCA's criteria for the current and future environmental reports submitted for the Site.	**A**	Ford recognizes and agrees with the need for a more in-depth evaluation and presentation of collected data and has revised this report accordingly and will continue to meet this need in future investigation reports.
General Comment	1	Please revise and resubmit the Report in accordance with the comments listed below. MPCA staff may have follow-up comments after reviewing the revised report, as the omission and/or presentation of some items somewhat hindered our review.	**A**	A revised report is attached.
1	Figure 2 and 3	The scale of Figures 2 and 3 does not foster comprehension of the data: the information is cramped and the font size too small. While it is desirable to have site-wide figures showing a cumulative presentation of soil and groundwater data, respectively, the figures should be printed on either a larger scale plan-size sheet or multiple 11 by 17 inch sheets for a site of this acreage.	**A**	Figures 2 and 3 have been removed. In accordance with the recognized need for a more in-depth evaluation and presentation of data as well as potential future investigation needs, the Site has been subdivided into 11 Focus Areas. These Focus Areas have been incorporated in the presentation of the data collected-to-date, with individual figures illustrating investigation results by each area. Future reports will also incorporate this division of the Site to foster continuity and comprehension.

CODE: A=Agree D=Disagree W=Withdrawn E=Exception Noted NA=Not Applicable

Cmt. No.	Page No./ Section No.	MPCA Comment:	*	Ford Company Response/Comments
2	Figure 2 and 3	Additional larger-scale figures should be provided showing areas of concern (AOCs) and related sample locations and contaminant data. The scale and aerial extent of these supporting figures should be based on feature locations (or a group of feature locations) and the ability to show the relevant site features assumed to be the sources of contamination. Each of these figures should also be a cumulative presentation of sample locations/data.	**A**	See response to comment 1.
3	Figure 2 and 3	For the figures discussed above, consider using color-coding to distinguish between soil sample locations which meet or exceed risk-based screening values. For example, a green dot could represent a soil sample location that meets Residential SRVs; an orange dot a sample location that meets Industrial SRVs, and a red dot a sample location which exceeds Industrial SRVs. The visual impact of such a presentation will more efficiently convey the extent and magnitude of soil contamination as it pertains to different types of property use.	**A**	See response to comment 1. Newly developed figures incorporate a distinction between sample locations based on type of exceedance.
4	Figure 3	Please check the screened intervals for MW-5 and MW-6 (by the former solvent UST basin), as presented on Figure 3. These are shallow monitoring wells which are screened in the unconsolidated deposits overlying bedrock, thus the listed screened intervals may be incorrect.	**A**	The figure depicting this area has been revised accordingly (interval depths: MW-5 [4.3-6.3 ft bgs], MW-6 [4.4-6.4 ft bgs]).
5	Table 6/ Figure 2/ Figure 3	Carcinogenic PAHs should be discussed and evaluated in terms of the calculated benzo(a)pyrene (BaP) equivalent. All data tables which present PAH data should include the calculated BaP equivalent as well as individual PAH concentrations. Figures showing SRV exceedances should use the calculated BaP equivalent of soil samples, not the individual benzo(a)pyrene concentration.	**A**	Data Table 6, which presents PAH data, has been revised to include the calculated BaP equivalent as well as the individual PAH concentrations, if applicable. Figures have been revised to show calculated BaP equivalent exceedances, not individual benzo(a)pyrene concentrations.
6	Table 6	Please make the following revisions to Table 6 *(Summary of Detected Constituents in Soil):* • In addition to the feature number, include the name of the feature (or an abbreviated version of the name) in the table heading.	**A**	• Feature names were added in the table heading for corresponding feature numbers. Focus Areas were also added in the table heading.

CODE: A=Agree D=Disagree W=Withdrawn E=Exception Noted NA=Not Applicable

Cmt. No.	Page No./ Section No.	MPCA Comment:	*	Ford Company Response/Comments
		• All soil data and SRVs should be presented in milligrams per kilogram (except for Toxicity Characteristic Leaching Procedure data).	**A**	• All soil data and SRVs were edited to be presented as milligrams per kilogram. Future reports will also incorporate this presentation request.
		• It would be helpful to split Table 6 into two parts: Table 6A for features/data located east of Mississippi River Boulevard, and Table 6B for features/data located west of the boulevard.	**A**	• The table has been revised to illustrate data collected within 11 Focus Areas. Focus Areas 10 and 11 (Group B) are west of Mississippi River Boulevard, while the remaining Focus Areas are east of Mississippi River Boulevard (Group A).
		• Table 6A: References to Recreational SRVs can be deleted. To make the detected · constituents easier to discern, use boldface for detected constituents, shading for concentrations that exceed Residential SRVs, and a box for concentrations that exceed Industrial SRVs (or different color shading for exceedances of Residential vs. Industrial SRVs).	**A**	• The table has been revised such that Focus Areas located east of Mississippi River Boulevard (Group A) only reference Residential and Industrial SRVs; the presentation of data has been revised in agreement with the format stipulated by the MPCA for detected constituents based on SRV exceeded.
		• Table 6B: References to Residential SRVs can be deleted. Highlight detections and exceedances as noted above, with data compared to Recreational and Industrial SRVs.	**A**	• Focus Areas 10 and 11 (Group B), located west of Mississippi River Boulevard, will reference Recreational and Industrial SRVs, and will follow the format stipulated by the MPCA for detected constituents based on SRV exceeded.
7		Please make the following revisions to Table 7 *(Summary of Detected Constituents in Groundwater):*		
		• In addition to the feature number, include the name of the feature (or an abbreviated version of the name) in the table heading.	**A**	• Feature names were added in the table heading for corresponding feature numbers. Focus Areas were also added to the table heading.
		• To make the detected constituents easier to discern, use boldface for detected constituents and shading or box to highlight exceedances of screening values. For this Site,	**A**	• Table 7 has been revised in agreement with the format stipulated by the MPCA for detected constituents based on SRV exceeded. EPA's MCL screening values has

CODE: A=Agree D=Disagree W=Withdrawn E=Exception Noted NA=Not Applicable

Cmt. No.	Page No./ Section No.	MPCA Comment:	*	Ford Company Response/Comments
		EPA's MCL is a useful frame of reference only for arsenic. The table could be simplified by deleting the MCL column, changing the title of the next column to "Screening Value", and indicating EPA MCL as the basis for the arsenic screening value. For this Site, the MPCA does not need exceedances of EPA's MCLs to be highlighted.		been removed for all constituents except arsenic.
8		Formal soil boring logs must be prepared for every soil boring, in addition to the field notes provided in Appendix A.	**A**	Formal boring logs have been developed and are provided in Appendix A.
9		Include a figure depicting depth to bedrock at the Site.	**A**	Geologic cross-sections have been developed to depict depth to bedrock at the Site.
10		Include representative geologic cross-sections of the Site.	**A**	Geologic cross-sections have been developed and are provided as Figures 20 through 23.
11		The reference at the bottom of page 4 to a "historical structure with unknown use" appears to refer to the former manufactured gas plant. If this is indeed correct, please update the text accordingly.	**A**	The text has been revised appropriately.
12		The text of the report should address in a broader fashion the type and concentrations of contaminants that are present within the various AOCs and not be limited to analytes that exceeded Industrial SRVs or HRLs. While exceedances of Industrial SRVs may eventually drive Ford's risk-based soil cleanup activities, at this stage of the project, the goal is to define and understand the full range of contamination that may be present at the Site. For example, if chlorinated VOCs were detected in soil, the text should mention this, even if the concentrations were less than SRVs.	**A**	The text of the report has been revised to address all detections of analytes on Site, even if the concentrations were less than SRVs, to facilitate a full range definition of contamination that may be present at the Site. In addition, concentrated areas have been defined by Focus Areas to alleviate current and future discussions related to TCAP.
13		The soil samples from Feature 9 (Former Disposal Area A) and Feature 11 (Former Disposal Area B) were not sampled for SVOCs as requested in the March 15, 2010, Work Plan Approval letter from the MPCA. In addition, the approval letter requested a soil sample from within the upper four feet at each location. Please include these samples/analyses in a future scope of work.	**A**	The future scope of work will make sure to include the requested samples/analyses.

CODE: A=Agree D=Disagree W=Withdrawn E=Exception Noted NA=Not Applicable

Cmt. No.	Page No./ Section No.	MPCA Comment:	*	Ford Company Response/Comments
14		In the pending work plan, include a proposal to resume sampling of the monitoring well network at the Site. In addition to the monitoring wells installed by Arcadis, include monitoring wells MW-4, MW-5, and MW-6 (former Bulk Storage and Waste Solvent USTs area) in the site-wide sampling plan.	**E**	Monitoring of existing wells will be addressed in future work plans and has not been included in this revised investigation report.
15		Discuss the hydraulic connection between the Site and Hidden Falls Creek. The discussion should include information regarding the storm sewer that connects to the Outfall (depth, construction, elevation of storm sewer relative to shallow perched groundwater, etc.) and the potential that the storm sewer provides a conduit for the migration of contaminated perched groundwater from the Site to Hidden Falls Creek. Please clarify whether this storm sewer is to be removed during the upcoming site demolition.	**A**	The text has been revised to address hydraulic connection of utilities with potential to serve as conduits for contaminant migration (e.g. tunnels) as well as the requested storm sewer.

ARCADIS
Infrastructure · Water · Environment · Buildings

Imagine the result

Ford Motor Company

Supplemental Phase II - Exterior Investigation Report (Revised)

Twin Cities Assembly Plant
St. Paul, Minnesota

ARCADIS

Angharad Pagnon
Staff Environmental Specialist

Ryan Oesterreich
Staff Engineer, PE, PG

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the State of Minnesota.

Print Name: Ryan Christopher Oesterreich

Signature:

Date: 5/29/13 License # 47974

Supplemental Phase II – Exterior Investigation Report (Revised)

Twin Cities Assembly Plant
966 South Mississippi Boulevard
St. Paul, Minnesota 55166

Prepared for:
Ford Motor Company

Prepared by:
ARCADIS U.S., Inc.
430 First Avenue North, Suite 720
Minneapolis
Minnesota 55401
Tel 612.339.9434
Fax 612.336.4538

Our Ref.:
DE000440.0001.00003

Date:
May 29, 2013

ARCADIS

Table of Contents

ARCADIS

Tables

Figures

Appendices

Supplemental Phase II - Exterior Investigation Report (Revised)

Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Executive Summary

On behalf of Ford Motor Company (Ford), ARCADIS U.S., Inc. (ARCADIS) is submitting this Supplemental Phase II Exterior Investigation Report (Report) to the Minnesota Pollution Control Agency (MPCA) to document the findings associated with subsurface investigation activities completed to evaluate Features identified during the Phase I and the Initial Phase II - Exterior Investigation at the Ford Twin Cities Assembly Plant (TCAP). The scope of the supplemental exterior investigation was approved by the MPCA on March 15, 2010 and consisted of completing soil borings, installation of permanent and temporary monitoring wells, and soil and groundwater sampling corresponding to identified Features within 9 of 11 Focus Areas (FAs). FA-3 and FA-8 were not included in the approved scope of the investigation; FA-3 (Main Assembly Plant) investigation activities were completed under a separate work plan and FA-8 (Baseball Fields) was addressed in 2008 and reported in the Response Action Implementation Report – Baseball Fields – Feature 139 (ARCADIS 2008a). Additionally, although FA-10 (Area C) was included in these activities, results were reported under separate cover to the MPCA in the May 2013 Draft-Final Area C – Comprehensive Site History and Investigation Report.

A total of 86 direct push soil borings, 10 temporary wells and 8 permanent wells were completed to investigate 26 Features for soil and groundwater impacts from August to November 2011 and October 2012. Three Features (No. 23, 49, and 121) were not investigated due to utility interference or other obstructions. Investigation results, including analytical and geological data, were reviewed to determine type and extent of contamination within each FA. Furthermore, analytical results were compared to MPCA Soil Reference Values (SRVs) or groundwater Health Risk Limits (HRLs) to identify areas of exceedances within each FA. A summary of findings is provided below.

Focus Area	Highest SRV Exceedance	HRL/MCL Exceedances	Analytes
1 - North Parking Lot Area	Industrial	Yes	VOCs, Metals
2 - Open LUST Releases	Industrial	Yes	VOCs, SVOCs, Metals
4 - Former Hazardous Waste Storage Areas	Industrial	Yes	VOCs, SVOCs, Metals
5 - Paint Shop	Not Applicable	Yes	SVOCs, Metals
6 - Former Hazardous Waste Storage and Disposal Areas	Industrial	Yes	VOCs, Metals
7 - Railroad Tracks	Industrial	Yes	VOCs, SVOCs, Metals
9 - Main Assembly Building (Specific to Residential Cleanup)	Not Applicable	Yes	Metals
11 - Wastewater Treatment Plant	Industrial	Yes	SVOCs, Metals

1. Introduction

This Supplemental Phase II Exterior Investigation (SEI) was conducted by ARCADIS on behalf of Ford for the Twin Cities Assembly Plant (Site). The SEI was conducted in accordance with the Supplemental Phase II – Exterior Investigation Work Plan (SEIWP) and North Parking Area addendum, submitted to the MPCA on May 13, 2008 and May 19, 2008, respectively (ARCADIS 2008a and 2008b). The supplemental work plan and addendum were approved by the MPCA on March 15, 2010 and July 8, 2009 respectively.

The SEI was conducted between August and November 2011and October 2012 to provide delineation of impacts that were observed during the Initial Phase II Exterior Investigation and to investigate Features identified during the 2007 Phase I Environmental Site Assessment (ESA) (ARCADIS 2007a) not addressed during the initial mobilization. A detailed summary of each Feature, its corresponding borings, and the Feature-specific analytical parameters are included in Table 1.

The scope of services performed by ARCADIS during the SEI included:

- Utility clearances activities were completed prior to initiating subsurface work and consisted of a public utility locate, private utility locate, and review of Ford utility drawings. All boring locations were also manually cleared using a hand auger or hydro-vacuum to a depth of five feet below ground surface (bgs).

- Eighty-six soil borings (ASB-115 through ASB-148, ASB-157 through ASB-200, and ASB-254 through ASB-261) were completed to further evaluate identified Features using a direct push Geoprobe® drill rig. Soil borings were logged by an ARCADIS geologist using the United Soil Classification System (USCS) and field screened using a photo-ionization detector (PID). Up to three soil samples were collected from each soil boring and submitted for laboratory analysis.

- Ten temporary monitoring wells were installed and groundwater samples collected for laboratory analysis. All soil borings and temporary wells were abandoned in accordance with Minnesota Department of Health (MDH) regulations upon completion of sample collection.

- Eight permanent groundwater monitoring wells were installed in the unconsolidated materials above bedrock using a hollow stem auger to evaluate groundwater quality. The wells were installed, developed and sampled consistent with the

methodologies described in the SEIWP and addendum (ARCADIS 2008a and 2008b).

- All monitoring well and soil boring locations were surveyed by Sunde Land Surveyors.
- Soils, drilling water, and monitoring well purge and development water were analyzed and characterized as investigative-derived waste (IDW) for disposal.

2. Site Background

This section provides a description of the Site, a summary of the site history, and a description of the site geology and hydrogeology.

2.1 Property Location and Description

The Site is located at 966 South Mississippi River Boulevard in St. Paul, Ramsey County, Minnesota at approximate Latitude (north) 44^{o} 54' 50.8" and Longitude (west) 93^{o} 11' 31.9". The Site is located in a mixed industrial, commercial and residential use area on the eastern shore of the Mississippi River, along the east side of South Mississippi River Boulevard, south of Ford Parkway and west of South Cleveland Avenue. The Site is accessed from the west via two entrances on South Mississippi River Boulevard and from the north via three entrances on Ford Parkway. The property location and layout are depicted on Figure 1. With consideration of former Site operations, construction, geographical layout, and environmental activities completed to date, the Site has been divided into 11 FAs as depicted on Figure 2.

Operations at the Site formerly consisted of the assembly and painting of light duty trucks (Ford Ranger) using parts manufactured off-Site. Assembly processes included welding, metal cleaning, painting and curing, windshield and trim installation and preparation of the vehicles for final delivery. In addition, a wastewater treatment plant and steam plant are still in operation at the Site and were associated with the former assembly operations, which were all investigated during the Phase I ESA. Manufacturing operations at the Site ceased on December 16, 2011.

2.2 Site History

The Site was vacant undeveloped land prior to construction of the assembly plant. Construction of the original portion of the main assembly building (MAB) began in 1923 and several additions to the MAB have occurred throughout the years, mainly between 1960 and 1978, which added 300,000 square feet to the original building footprint. The paint building was constructed in 1985 and is connected to the MAB via a 625-foot bridge. The steam plant was constructed in 1923 and is approximately 10,400 square feet. A former coal gasification plant was located near the southeastern corner of the steam plant, but was demolished prior to 1974. The wastewater treatment plant is located adjacent to the steam plant, and was constructed in 1984. Additional details on the history of the Site are available in the Phase I ESA (ARCADIS 2007a).

2.3 Site Geology and Hydrogeology

The general geology and hydrogeology of the Site, based on information identified during the Phase I ESA (ARCADIS 2007a), and initial and supplemental exterior investigations, is outlined in the following sections. Data collected to date was also utilized to developed representative geologic cross-sections traversing the Site. The site-wide cross section location map is provided as Figure 3.

2.3.1 Geology

At the surface of the Site, a thin mantle of unconsolidated sediments exists over bedrock terraces. Underlying the unconsolidated material are sedimentary bedrock units that were deposited during the middle of the Ordovician geologic period. The sedimentary units are, in descending order, Decorah Shale, Platteville Limestone/Dolostone, Glenwood Shale, and St. Peter Sandstone. The depth and thicknesses of the bedrock units, as interpreted from boring logs, are illustrated on the geologic cross-sections (Figures 4 through 7)

Overburden: The soil mantle consists of predominately sandy clay and clayey sand. Weathered shale cobbles are common and two to five feet of peat was observed east of the former oil fill area (Feature 20). Near former disposal Area B (Feature 11) and former waste disposal area at the wastewater treatment facility (Feature 140), much of the native material has been disturbed and is mixed with fill material such as building rubble, glass, and scrap metal.

Bedrock: The Platteville formation lies on top of the Glenwood Shale formation and the contact appears to be gradational. The Glenwood Shale is composed of dark green to gray shale and sandy shale. The formation is thinly laminated and moderately fissile (cleavable) and is approximately seven feet thick in the areas investigated. The St. Peter Sandstone outcrops along the bluffs of the Mississippi River and continues below the elevation of the riverbed. The sandstone is composed of medium-grained, well-sorted and well-rounded quartzite. It is white to buff in color and is medium to weakly indurated (hardened). The St. Peter formation is as much as 150 feet thick in the Twin Cities area.

2.3.2 Hydrogeology

Perched groundwater is found in the highly heterogeneous unconsolidated sediments overlying bedrock. Bedrock groundwater is encountered in the St. Peter formation,

which is a high yielding aquifer. Groundwater in the overburden is generally isolated from the bedrock groundwater by the Decorah/Platteville/Glenwood Formation, which has been documented to be an aquitard/aquiclude.

The apparent groundwater flow direction at the Site is generally to the southwest towards the Mississippi River. However, based on Site-wide monitoring well data, groundwater flow can be locally variable particularly in the unconsolidated sediments and close to the river.

The potential hydraulic connection between the Site and Hidden Falls Creek was reviewed to evaluate the potential of Site utilities (storm sewer and subsurface tunnels) providing a conduit for the migration of perched groundwater. Outfall 001, which discharges to Hidden Falls Regional Park, collects storm water from the east side of the Site (including the paint building and railroad tracks) prior to combining with storm water received from neighboring properties. Overburden groundwater was not encountered within the eastern portion of the Site, demonstrating the possibility that overburden groundwater does not migrate to Hidden Falls Creek through the storm water sewer to Outfall 001. The subsurface tunnels at the Site, which generally extend linearly from east to west, terminate within the Site property limits west of Mississippi Boulevard and do not provide potential for direct contact with off-site receptors. The tunnels terminate more than 50 feet below ground surface (bgs) (711 feet above mean sea level) as noted in the ARCADIS 2009 Tunnel Survey Report. This elevation is well below the overburden groundwater depths observed east of the Mississippi Boulevard and above those observed west of the Mississippi Boulevard.

Additional information on the geology and hydrogeology of the Site can be found in the Phase I ESA (ARCADIS 2007a) and the Initial Phase II – Exterior Investigation Report (ARCADIS 2007b).

2.4 Previous Investigations

Several site investigations and reports have been completed for the Site. The following is a brief summary of previous investigations.

On June 26, 1990 the MPCA issued a Request for Response Action (RFRA) due to the historical waste handling and disposal practices at the Site. In accordance with the RFRA, a Remedial Investigation/Feasibility Study (RI/FS) was completed in May 1992 by Conestoga-Rovers & Associates Inc. (CRA), which included a Remedial Investigation/Alternatives Analysis (RI/AA) of three areas adjacent to the paint building and MAB (Area A, Area B and a UST site) designated by the MPCA (CRA 1992).

A Phase I ESA was completed by ARCADIS in 2007 to identify Features and obtain information regarding environmental activities and conditions at the Site (ARCADIS 2007a).

A soil investigation was completed in 2007 to evaluate the Potential Battery Waste Disposal Area (Feature 139), located east of the plant in FA-8 (Baseball Fields). Based on the results of the initial soil investigation, an Additional Soil Investigation and Surface Soil Risk Assessment was completed in 2007. Following this additional soil investigation, Ford completed response activities and submitted a Response Action Implementation Report – Baseball Fields – Feature 139 to the MPCA in March 2008.

An Initial Exterior Phase II Investigation was completed in June and July 2007 and the Initial Phase II – Exterior Investigation Report was submitted to the MPCA in October 2007 (ARCADIS 2007d).

An Initial Interior Phase II Investigation was completed in August 2010. No report summarizing these findings has been submitted to date. Additional interior investigation activities are scheduled for 2014 following demolition of Site buildings.

3. Supplemental Phase II Exterior Investigation Methodologies

The following sections detail the methodologies utilized to complete the defined scope of work. Any deviations from the approved work plan and comments received from the MPCA are noted.

3.1 Field Methodology

3.1.1 Utility Clearance

Utility clearance activities were completed prior to initiating subsurface work and consisted of a public utility locate, private utility locate, and review of Ford utility drawings. Gopher One Call was notified to mark all public utility lines servicing the Site. Additionally, Hance Utility Service, Inc. of Buffalo, Minnesota was retained to locate private utilities in the area of subsurface work. Finally, a surface inspection was completed with Ford personnel using available utility maps for each specific boring location. After removing any surficial debris (i.e., asphalt or concrete), a hand auger or hydro-vacuum unit was used to excavate the top five feet bgs and manually clear the area.

3.1.2 Soil Borings and Temporary Wells

Eighty-six soil borings (ASB-115 through ASB-200, ASB-254 through ASB-261) were completed using a direct push Geoprobe® rig. Each boring was logged continuously by an ARCADIS field geologist and screened using a PID with an 11.7 electron volt (eV) lamp. A summary of all PID readings collected in the field is available in Table 2. Soil boring logs were created in the field and all soils were classified using the USCS. Digitized and field soil boring logs are provided in Appendix A. Samples were collected in accordance with the Field Sampling Plan (ARCADIS 2007e) and SEIWP. As stipulated in the work plan, soil samples were collected from the locations with the highest PID readings unless the soil was saturated. If the highest PID was identified in the saturated zone, additional soil samples were collected from just above the saturated zone. Borings were advanced until the target depth was reached or refusal due to shallow bedrock was encountered. Upon completion, bentonite chips were used to abandon the borehole. If the borehole was classified as a “regulated hole” according to Minnesota Department of Health (MDH) guidelines, a Borehole Sealing Record was prepared. Copies of Borehole Sealing Records are in Appendix B. The surface disturbance of each borehole was repaired to match surrounding materials.

Groundwater samples were collected from temporary 1-inch-diameter 5-foot-long polyvinyl chloride (PVC) slotted well screens and sufficient PVC casing to reach ground surface installed at 10 of the 86 soil borings. The temporary wells were purged of at least one gallon of groundwater prior to sampling to minimize turbidity. Groundwater samples were collected via disposable polyethylene tubing using a peristaltic pump, or in the event of pump malfunction, a stainless steel check valve. All groundwater samples analyzed for metals were field filtered using a 0.45-micron disposable filter prior to sample collection.

3.1.3 Permanent Monitoring Wells

Eight permanent monitoring wells (AMW-11 through AMW-18) were installed using a hollow stem auger rig with 4 ¼-inch inner diameter and 8 ¼-inch outer diameter augers. Well construction details are included in Table 3 and MDH Well Logs are included in Appendix B. Monitoring wells were constructed with two-inch diameter, five-foot long slotted PVC screens and sufficient PVC riser to reach ground surface (for flush mount wells) or above ground surface (for stickup wells). Each well had a filter sand pack extended approximately one to 2.5 feet above the top of the screened interval. A two-foot bentonite seal was placed over the sand pack and the remaining well annulus was sealed with cement grout to the surface.

Each new permanent monitoring well was developed using over-pumping techniques and a whale pump. Between 11 and 33 well volumes of water were removed from each monitoring well during development to remove sediment and ensure the well was hydraulically connected with the surrounding aquifer.

The newly installed monitoring wells were sampled on October 31 and November 7, 2011. Prior to sampling activities, depth to water measurements were collected from all on-Site wells (Table 4). Monitoring wells were purged of at least three well volumes using a disposable polyethylene bailer prior to sample collection per the Field Sampling Plan (ARCADIS 2007e). After purging, field parameters of pH, conductivity, turbidity, temperature, dissolved oxygen and oxidation reduction potential (ORP) were collected using a Horiba U-52 (Table 5). Groundwater sampling field logs are included in Appendix C. Discrete readings for dissolved oxygen and ORP from bailed groundwater samples are not considered reliable and are not included in Table 5 but are reported on the sampling logs in Appendix C. All groundwater samples analyzed for metals were field filtered using a 0.45-micron disposable filter prior to sample collection.

3.1.4 Surveying

All borings and monitoring wells were surveyed for X, Y and Z coordinates. The ground surface was surveyed for all locations and top of casing elevations were collected for new monitoring wells. Surveying was completed by Sunde Land Surveying, LLC of Bloomington, Minnesota and referenced the National Geodetic Vertical Datum of 1929 (NGVD 29).

3.1.5 Background Metals Analysis and Petroleum Impacts

Several of the metals (arsenic, copper, iron and lead) detected at the Site are elements that are naturally present in Minnesota soils. For those metals, Site specific data collected during this SEI were compared to both the SRV standards and to Minnesota-representative background data sets to determine whether the concentrations present at the Site are consistent with ubiquitous and naturally occurring conditions or if they are indicative of an impacted area. If detections exceeded both the SRV standards and background data sets, that data is discussed below. The full data set for determining background values was published by the United States Geological Survey (USGS) (Boerngen and Shacklette 1981) and included in the Additional Soil Investigation and Surface Soil Risk Assessment Report – Baseball Fields – Feature 139 (ARCADIS 2007c).

Soil samples collected from several of the borings were analyzed for Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). Any detected concentrations of GRO and DRO are noted in this report. There are no SRVs for those constituents; however, they are used as indicator parameters to determine if a more focused compound-specific delineation is required. Recommendations on further investigation and delineation of the petroleum impacts detected at the Site will be withheld until future land use has been determined.

4. Summary of Investigation Results

The following is a summary of all results acquired during the SEI. To facilitate understanding of the extent of contaminants at the Site, the Site footprint has been divided into 11 FAs as shown on Figure 2. The FA boundaries were developed with consideration of identified Features, historical environmental concerns, as well as use and construction sequence of infrastructure. Furthermore, the FAs have been divided into two groups (A and B) with geographic consideration. Group A includes FA-1 through 9, located east of Mississippi River Boulevard, and Group B includes FAs 10 and 11 located west of the boulevard. Note that FA-8 and 10 are not included within this report. FA-8 (Baseball Fields) was addressed in 2008 as described in Section 2.4; FA-10 (Area C), although included in these activities, was reported under separate cover to the MPCA in the May 2013 Draft-Final Area C –Comprehensive Site History and Investigation Report.

Analytical results of soil samples collected within Group A FAs were compared to Tier I Residential and Tier II Industrial SRVs and are summarized in Table 6A. Similarly, analytical results of soil samples collected within Group B FAs were compared to Tier II Recreational and Industrial SRVs and are summarized in Table 6B. Select metals (arsenic, copper, iron, and lead) were also compared to Minnesota-representative background data sets, as previously discussed.

All groundwater analytical results (Table 7) were compared to MDH HRLs and the Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) (arsenic only).

Soil and groundwater exceedances to date, including results from the Initial Phase II Exterior Investigation, are illustrated individually for each FA on Figures 8 through 23. Laboratory analytical and verification reports are included in Appendix D.

4.1 Group A

Soil and groundwater analytical results for FAs 1 through 9 are discussed in the following sections.

4.1.1 Focus Area 1 – North Parking Lot Area

FA-1 is located in the northern portion of the Site and is bounded to the west by Mississippi River Boulevard, the north by Ford Parkway, and the east by the Site

boundary (Figure 2). The approximately 24-acre area incorporates the North Parking Area, as well as portions of six other Features:

- Former Test Track (Feature 1);
- Former Convoy Underground Storage Tank (UST) (Feature 3);
- Former Area of Impacted Soil – Leak #10700 (Feature 4);
- Former Gasoline, Sunoco Spirits, and Pyroxlin Thinner USTs (Feature 16);
- Potential Film and Staining (Feature 151); and
- Former Fuel Oil UST (Feature 152).

To date within FA-1, 35 soil borings and three permanent monitoring wells have been installed, and 48 soil samples and nine groundwater samples have been collected for laboratory analysis. Six borings (ASB-046, HA-059, HA-060, HA-061, HA-062, and HA-063) and eight groundwater samples were collected from AMW-01 and AMW-08 as part of the Initial Phase II Exterior Investigation. Initial results identified concentrations of only metals exceeding applicable groundwater standards in the eastern portion of the FA, north of the paint building.

4.1.1.1 FA-1 Soil Results

Twenty-nine borings (ASB-115 through ASB-117, ASB-119, ASB-120, ASB-123 through ASB-134, ASB-137 through ASB-143, ASB-148, ASB-157, ASB-158, ASB-160, and ASB-161) were completed to depths ranging from three to 16 feet bgs. Up to two soil samples were collected from each location with the exception of ASB-130, which was not sampled as groundwater was encountered within a foot of ground surface. The forty-two soil samples collected were submitted for laboratory analysis of one or more of the following parameters: VOCs, SVOCs, Resource Conservation and Recovery Act (RCRA) metals, Polynuclear Aromatic Hydrocarbons (PAHs), Polychlorinated biphenyls (PCBs), DRO, and GRO. A sample analytical summary for each boring is provided in Table 1 and soil sample locations and exceedances are shown on Figure 3.

VOCs: A total of 19 constituents were identified within 20 of the 24 samples analyzed. Of the 19 VOCs detected, only 1,2,4-trimethylbenzene (1,2,4-TMB), 1,3,5-trimethylbenzene (1,3,5-TMB), benzene, and total xylenes exceeded applicable SRVs.

1,2,4-TMB exceeded Industrial SRVs and 1,3,5-TMB, benzene, and total xylenes exceeded Residential SRVs at ASB-123.

VOC exceedances (and associated elevated PID readings) are confined to the western portion of FA-1 as defined by ASB-115, ASB-116, and ASB-123, near the Former Area of Impacted Soil – Leak #10700 (Feature 4), and supported by GRO detections.

PAHs: A total of 12 constituents were identified within 21 of the 35 samples analyzed. Of the 12 SVOCs detected, none exceeded either SRV standard.

DRO/GRO: DRO was detected in nine of the 33 samples analyzed, with a maximum concentration of 1,100 milligrams per kilogram (mg/kg) identified at ASB-139. GRO was detected in nine of the 22 samples analyzed, with a maximum concentration of 390 mg/kg at ASB-123.

PCBs: PCBs were not detected in any of the 11 samples analyzed.

Metals: A total of 34 samples were analyzed for RCRA metals. All 34 samples identified concentrations of all eight RCRA metals, but only one (arsenic) exceeded the Residential SRV at ASB-128.

Detections of metals, although observed throughout FA-1, were below background concentrations with the exception of arsenic. SRV exceedances of arsenic are limited to the northeastern portion of FA-1.

General Observations: Field screening of soil also indicated PID readings greater than 10 parts per million (ppm) in the southwest corner of the FA, near the Former Gasoline, Sunoco Spirits, and Pyroxlin Thinner USTs (Feature 16) and Former Fuel Oil UST (Feature 152). Elevated PID readings and the DRO maximum concentration were also observed at ASB-139 near the Former Convoy UST (Feature 3), north of the paint building. Supplemental investigation Feature 3 soil borings did not exhibit similar detections or identify SRV exceedances near ASB-139.

4.1.1.2 FA-1 Groundwater Results

Six temporary wells (ASB-115, ASB-120, ASB-128, ASB-129, ASB-130 and ASB-137) and one permanent well (AMW-17) were installed during the SEI. Groundwater samples collected from each location were submitted for laboratory analysis of one or more of the following: VOCs, RCRA metals, PAHs, PCBs, DRO, and GRO. A sample

analytical summary for the eight samples is provided in Table 1. Groundwater sample locations and exceedances within FA-1 are shown on Figure 4.

VOCs: Eight groundwater samples were collected, detecting a total of 18 VOCs. Of the 18 constituents detected, benzene exceeded its MDH HRL at three locations (AMW-17, ASB-115, and ASB-120). Ethylbenzene exceeded its MDH HRL at ASB-115 and ASB-120.

Groundwater exceedances are consistent with soil exceedances and limited to the western portion of FA-1.

PAHs: Seven samples were collected with a total of four constituents detected. None of the four PAHs detected exceeded their respective HRL.

GRO/DRO: GRO was detected in three of the eight samples analyzed, (AMW-17, ASB-115, and ASB-120), with a maximum estimated concentration of 24,000 µg/L identified at ASB-115. DRO was detected in seven of the eight samples analyzed, with a maximum concentration of 3,400 µg/L identified at ASB-115.

PCBs: PCBs were not detected any of the six samples analyzed.

Metals: Seven samples were collected for dissolved metals and one sample for total lead. Six of the samples identified a total of three dissolved metals. Of the three detected dissolved metals, only arsenic exceeded applicable criteria at ASB-128. This result is consistent with previous investigation results at AMW-08.

4.1.2 Focus Area 2 – Open LUST Releases

FA-2 is located along the northern and eastern limits of the MAB (Figure 2). The approximately 6.8-acre area incorporates portions of six Features:

- North Parking Area (overlaying Feature 5);
- Former Location of Gasoline and Diesel Fuel Underground Piping (Feature 5);
- Former Gasoline, Sunoco Spirits, and Pyroxlin Thinner USTs (Feature 16);
- Former 20,000 Gallon Gasoline AST (Feature 138);
- Former Fuel Oil UST (Feature 152); and

- Previously investigated Features 2 (Former location of Gasoline and Diesel USTs) and 6 (Diesel Meter Shack).

To date, 14 soil borings and three permanent monitoring wells have been installed, and 22 soil samples and eight groundwater samples have been collected for laboratory analysis. Six borings were installed (ASB-001, ASB-002, ASB-030, ASB-045, ASB-047, and ASB-048) and three groundwater samples were collected from ASB-001, ASB-030, and ASB-047 as part of the Initial Phase II Exterior Investigation. Initial results identified concentrations of VOCs above applicable soil standards and concentrations of VOCs, SVOCs, total and dissolved metals in above applicable groundwater standards throughout the FA.

4.1.2.1 FA-2 Soil Results

Eight borings (ASB-118, ASB-121, ASB-122, ASB-136, ASB-145 through ASB-147, and ASB-159) were completed to depths ranging from 11 to 12 feet bgs, or until refusal due to bedrock. A total of 15 soil samples (up to two per boring) were collected and submitted for laboratory analysis of one or more of the following parameters: VOCs, PAHs, RCRA metals, lead, DRO, and GRO. A sample analytical summary for each boring is provided in Table 1 and soil sample locations and exceedances are shown in Figure 5.

VOCs: Twelve samples were analyzed for VOCs and identified a total of 18 constituents. Of the 18 VOCs detected, 1,2,4-TMB, 1,3,5-TMB, benzene, naphthalene, toluene and xylenes exceeded applicable SRVs at three different locations.

- ASB-121: 1,2,4-TMB, 1,3,5-TMB, benzene, and xylenes exceeded Industrial SRVs and naphthalene and toluene exceeded Residential SRVs;
- ASB-122: 1,2,4-TMB, 1,3,5-TMB, and xylenes exceeded Industrial SRVs and benzene exceeded Residential SRVs; and
- ASB-159: 1,2,4-TMB exceeded Industrial SRVs and 1,3,5-TMB exceeded Residential SRVs.

PAHs: Eleven samples were analyzed for PAHs. Ten of the 11 samples analyzed identified a total of ten PAHs. Of the constituents detected, only benzo(a)pyrene (BaP) exceeded Industrial SRV standards at ASB-121.

DRO/GRO: DRO was detected in eight of the 11 samples analyzed, with a maximum concentration of 550 mg/kg identified at ASB-136. GRO was detected in nine of the 12 samples analyzed, with a maximum concentration of 4,000 mg/kg at ASB-121. These detections correspond to the locations with observed elevated PID readings during soil screening.

PCBs: PCBs were not detected either of the two samples analyzed.

Metals: Three samples were analyzed for RCRA metals and eight samples analyzed for lead. Lead was detected in all 11 samples, and six other metals were detected in the three samples analyzed for RCRA metals. None of the detections exceeded applicable standards.

Summary: Supplemental investigation results support initial investigation observations and have identified two areas of impact above criteria. These areas correspond to the Former Location of Gasoline and Diesel Fuel Underground Piping (Feature 5) and the cluster of former underground and aboveground storage tanks (Features 16, 138, and 152).

4.1.2.2 FA-2 Groundwater Results

Two temporary wells (ASB-118 and ASB-145) and three permanent wells (AMW-14, AMW-15, and AMW-16) were installed during the SEI. Groundwater samples were collected from each location and submitted for laboratory analysis of one or more of the following parameters: VOCs, PAHs, RCRA metals, Lead, DRO, and GRO. A sample analytical summary for each sample is provided in Table 1 and locations and exceedances are shown on Figure 6.

VOCs: Five groundwater samples were analyzed for VOCs and identified a total of 18 constituents. Of the 18 constituents detected, six (1,2,4-TMB, 1,3,5-TMB, benzene, ethylbenzene, naphthalene, and xylenes) exceeded MDH HRLs at four locations and include:

- AMW-14: 1,2,4-TMB, ethylbenzene, and xylenes;
- AMW-15: 1,2,4-TMB, 1,3,5-TMB, benzene, ethylbenzene, naphthalene, and xylenes;
- AMW-16: 1,2,4-TMB, 1,3,5-TMB, ethylbenzene, and xylenes; and

- ASB-118: Benzene.

PAHs: A total of nine constituents were detected in three of the four samples analyzed. Of the nine constituents detected, none exceeded applicable criteria.

PCBs: PCBs were not detected either of the two samples analyzed.

DRO/GRO: DRO was detected in the four samples analyzed, with a maximum concentration of 1,200 µg/L at AMW-15. GRO was detected in the five samples analyzed, with a maximum concentration of 15,000 µg/L at AMW-15 and AMW-16.

Metals: Three samples were analyzed for RCRA metals and two samples were analyzed for lead. Two metals (arsenic and barium) were detected in the three samples analyzed. Only arsenic exceeded its respective criteria at AMW-15.

Summary: In agreement with the soil results, groundwater exceedances are observed within two areas of the FA. These analytical results, in conjunction with results from temporary wells sampled during the initial investigation, demonstrate the groundwater impacts within the southern extent of FA-2 are delineated by ASB-145 and ASB-146, along the FA boundary. Along the north edge of the MAB, shallow groundwater impacts (less than 12 feet bgs) extend further west towards Mississippi River Boulevard than previously presented, demonstrating a correlation with the Former Location of Gasoline and Diesel Fuel Underground Piping (Feature 5) rather than Diesel Meter Shack (Feature 6).

4.1.3 Focus Area 4 – Former Hazardous Waste Storage Areas

FA-4 is located south of the bridge between the MAB and paint building, along the eastern and southern limits of the MAB (Figure 2). The approximately 6.8-acre area incorporates portions of twelve Features:

- Southern railroad spurs (Feature 7):
- Former Hazardous Waste Storage Area (Feature 10);
- Former Disposal Area B (Feature 11);
- Former Railroad Spurs (Feature 12);
- Former Oil Fill Area (Feature 20);

- 1996 Glycol Release from Underground Piping (Feature 21);
- Oil/Water Separator Trench (Feature 27); Former Coal Operations (Feature 47);
- Former Hazardous Waste Storage Area (Feature 49);
- Former 20,000 Gallon Gasoline AST (Feature 138);
- Drums (Feature 143); and
- Former Fuel Oil Underground Storage Tank (Feature 152).

To date, 30 soil borings have been completed, three permanent monitoring wells installed, and 43 soil samples and seven groundwater samples collected within FA-4. Twenty of these borings (ASB-005 through ASB-012, ASB-017, ASB-031, ASB-035 through ASB-043, HA-055) and four temporary wells (ASB-005, ASB-006, ASB-036, and ASB-047) were completed as part of the Initial Phase II Exterior Investigation. Initial results identified concentrations of (total) SVOCs and metals above applicable standards in soil and metals above applicable standards in groundwater.

4.1.3.1 FA-4 Soil Results

Ten borings (ASB-135, ASB-162, ASB-168 through ASB-171, ASB-174, ASB-176, ASB-254, and ASB-255) were completed to depths ranging from eight to 12 feet bgs. A total of 16 soil samples (up to three per boring) were collected and submitted for laboratory analysis of VOCs, SVOCs, RCRA or Target Analyte List (TAL) metals, PAHs, PCBs, DRO, and GRO, or a combination thereof. The sample analytical suite for each boring is provided in Table 1. Soil sample locations and exceedances within FA 4 are shown on Figure 7.

VOCs: A total of 17 constituents were detected in 12 of the 16 samples analyzed. Of the 17 VOCs detected, only 1,2,4-TMB and naphthalene exceeded Industrial SRVs at ASB-176. Detections of VOCs within the remaining samples identified VOC concentrations more than two orders of magnitude less than those observed at ASB-176.

SVOCs: Eight samples were analyzed for SVOCs and four samples analyzed for PAHs. Eleven of the 12 samples identified a total of 17 SVOCs. Of the 17 constituents detected, only BaP exceeded Industrial SRVs at ASB-170.

DRO/GRO: DRO was detected in 14 of 15 samples analyzed, with a maximum concentration of 500 mg/kg. GRO was detected in eight of the nine samples analyzed, with a maximum concentration of 4,200 mg/kg. Both maximums were observed at ASB-176, also the location of the elevated PID reading within the FA.

PCBs: Six samples were analyzed for PCBs. One detection was observed at ASB-170 (0.06 mg/kg) and did not exceed SRV standards.

Metals: Five samples were analyzed for TAL metals and six samples were analyzed for RCRA metals. A total of 23 metals were observed in the 11 samples analyzed. Of the 23 metals detected, arsenic exceeded Industrial SRV at ASB-171 and an additional two constituents (copper and iron) exceeded Residential SRVs. Iron exceedances were observed at ASB-170, ASB-171, ASB-174, and ASB-176. A copper exceedance was only observed at ASB-174.

Summary: Supplemental investigation results support the findings of the initial investigation, indicating VOC exceedances were limited to an area bordering the off-site rail yard, SVOCs exceedances extend east of the MAB, corresponding to the extent of the Former Rail Spurs (Feature 12) and Oil/Water Separator and Trench (Feature 27), and metals exceedances are prevalent throughout the FA. The majority of metals exceedances are centralized around an area east of the MAB and an area south of the Former Hazardous Waste Storage Area (Feature 10).

4.1.3.2 FA-4 Groundwater Results

Three permanent wells (AMW-11, AMW-13 and AMW-18) were installed during the SEI. Groundwater samples collected from each location were submitted for laboratory analysis of one or more of the following: VOCs, RCRA metals, PAHs, DRO, and GRO. The sample analytical suite for the four samples is provided in Table 1 and groundwater sample locations and exceedances are shown on Figure 8.

VOCs: Three samples identified a total of nine constituents. Of the nine constituents detected, none exhibited concentrations exceeding their respective criteria. All detections were identified at AMW-11, with the exception of 1,1-Dichloroethane only detected at AMW-18 (1.2 µg/L).

PAHs: Four samples were collected with three of the four samples identifying a total of four constituents. None of the four observed constituents (fluorene, fluoranthene, pyrene, and BaP) exceeded their respective criteria.

DRO/GRO: DRO was detected within each sample, with a maximum concentration of 1,600 µg/L at AMW-11. GRO was only detected at AMW-11 at 3,000 µg/L.

Metals: Four samples were collected and analyzed for RCRA metals. Barium and arsenic were the only detected constituents although neither exceeded their respective criteria.

Analytical results from the permanent wells installed do not correlate with previously installed temporary well sample results in the same locations. PAH and metal exceedances previously identified in the temporary well samples could not be duplicated in the permanent monitoring well analytical results.

4.1.4 Focus Area 5 – Paint Shop

FA-5 is located in the eastern portion of the Site and is bounded to the east by off-Site residential and commercial properties, and contained to the northern, western, and southern limits by the dimensions of the paint building (Figure 2). The approximately 14.1-acre area incorporates portions of the Former Test Track (Feature 1).

To date, ten soil borings have been completed, one permanent monitoring well installed, and ten soil samples and two groundwater samples collected within FA-5. Results have not identified any exceedances of applicable criteria. The original Scope of Work identified only two soil borings to be completed, but an additional eight were installed at the request of Ford, as a portion of the property being investigated was under consideration for lease by a third party at the time.

4.1.4.1 FA-5 Soil Results

Ten borings (ASB-144, ASB-149 through ASB-156, and ASB-187) were completed within the northeastern portion of the FA. Boring depths ranged from eight to 10.5 feet bgs. Ten samples (one per boring) were collected and submitted for laboratory analysis of VOCs, SVOCs, DRO, RCRA metals, and PCBs. The sample analytical suite for each boring is provided in Table 1 and soil sample locations are shown on Figure 9.

One VOC and five metals were detected; however, no constituents were detected above applicable criteria.

4.1.4.2 FA-5 Groundwater Results

No groundwater was encountered in any of the ten borings; therefore groundwater samples were not collected. Boring locations in FA-5 are shown on Figure 10.

4.1.5 Focus Area 6 – Former Hazardous Waste Storage and Disposal Areas

FA-6 is located in the southeastern portion of the Site, and is bounded by FA-5 and FA-8 to the east, the off-Site rail lines to the south, FA-7 to the west, and FA-1 to the north, as depicted on Figures 2. The approximately 15.3-acre area incorporates portions of ten Features:

- Former Test Track (Feature 1);
- Former Hazardous Waste Storage Area (Feature 8);
- Former Disposal Area A (Feature 9);
- Waste Solvent USTs (Feature 35);
- Former Bulk Solvent and Waste Solvent USTs (Feature 36);
- Solvent UST Underground Piping (Feature 37);
- Sump with Solvent UST Basin (Feature 46);
- Sludge Pits (Feature 121);
- Drums (Feature 143); and
- Potential Film/Staining (Feature 151).

To date, 21 soil borings have been completed, six permanent monitoring wells installed, and 24 soil samples and six groundwater samples collected within FA-6. Eleven of these borings (ASB-015, ASB-016, ASB-018, ASB-019, ASB-020, ASB-032 through ASB-034, ASB-044, HA-056, and HA-058) and six permanent monitoring wells (AMW-03A, AMW-03B, AMW-04, MW-4, MW-5, and MW-6) were completed as part of the Initial Phase II Exterior Investigation. Initial results identified metal concentrations above applicable soil criteria within the southern portion of the FA.

4.1.5.1 FA-6 Soil Results

Ten borings (ASB-177 through ASB-186) were completed to depths ranging from four to 11.5 feet bgs. A total of 13 samples (up to two per boring) were collected and submitted for laboratory analysis of one or more of the following parameters: VOCs, SVOCs, RCRA or TAL metals, DRO, and GRO. Samples associated with Feature 9 (ASB-177 and ASB-181 through ASB-183) were mistakenly omitted for SVOC analysis. The sample analytical suite for each boring is provided in Table 1 and sample locations and exceedances are shown on Figure 11.

VOCs: A total of 15 constituents were detected in seven of the 13 samples analyzed. Of the 15 constituents detected, five (1,2,4-TMB, 1,3,5-TMB, butylbenzene, naphthalene, and xylenes) exceeded Industrial SRVs at one location (ASB-182). No other exceedances were observed.

SVOCs: A total of 12 constituents were detected in two of the nine samples analyzed. None of the constituents detected exceeded applicable criteria.

DRO/GRO: DRO was detected in five of nine samples analyzed, with a maximum concentration of 3,600 mg/kg at ASB-182. GRO was detected in four of seven samples analyzed, with a maximum concentration of 6,200 mg/kg at the same location. In addition, elevated PID readings were also identified along the FA-7 boundary at ASB-181 and ASB-182.

PCBs: PCBs were not detected any of the five samples analyzed.

Metals: Six samples were analyzed for RCRA metals and the remaining seven samples were analyzed for TAL metals. A total of 22 metals were identified within the 13 samples analyzed. Of the 22 constituents detected, two (lead and iron) exceeded Residential SRVs. Iron was the most prevalent, detected at these elevated concentrations in the seven samples analyzed.

Summary: Supplemental investigation results support initial investigation observations, which identify iron above Residential SRVs through the FA. Additionally, VOCs, supported by other indicators (i.e. PID readings, DRO and GRO) have been identified along the southeastern edge of the FA.

4.1.5.2 FA-6 Groundwater Results

No groundwater was encountered in any boring; therefore groundwater samples were not collected. Boring locations in FA-6 are shown on Figure 12.

4.1.6 Focus Area 7 – Railroad Tracks

FA-7 is located in the central portion of the Site and encompasses the railroad spurs between the MAB and paint building, as depicted on Figures 2. The approximately 4.3-acre area incorporates portions of four Features:

- Railroad Spurs (Feature 7);
- Former Hazardous Waste Disposal Area (Feature 10);
- Former Disposal Area B (Feature 11); and
- Former Fuel Oil UST (Feature 152).

To date, 16 soil borings have been completed, one permanent monitoring well installed, and 23 soil samples and four groundwater samples collected within FA-7. Four of these borings (ASB-003, ASB-004, ASB-013, and ASB-014) and two temporary wells (ASB-003 and ASB-013) were completed as part of the Initial Phase II Exterior Investigation. Initial investigation results identified VOCs and metals (both total and dissolved) in excess of applicable soil and groundwater criteria.

4.1.6.1 FA-7 Soil Results

Twelve borings (ASB-163 through ASB-167, ASB-172, ASB-173, ASB-175, ASB-258 through ASB-261) were completed to depths ranging from eight to 12 feet bgs. A total of 18 samples (up to two per boring) were submitted for laboratory analysis of one or more of the following parameters: VOCs, SVOCs, RCRA or TAL metals, PAHs, DRO, and GRO. No samples were collected from ASB-164 because saturated soils were encountered near the surface and did not allow for unsaturated soil sample collection. Samples associated with Feature 11 were inadvertently omitted for SVOC analysis (ASB-172, ASB-173, and ASB-175). The sample analytical suite for each boring is provided in Table 1 and sample locations and exceedances are shown on Figure 13.

VOCs: A total of 14 constituents were detected in 14 of the 18 samples analyzed. Of the 14 constituents detected, only naphthalene exceeded Residential SRVs at one location along the property boundary (ASB-175).

SVOCs: A total of 15 constituents were observed in the 13 samples analyzed for SVOCs and two samples analyzed for PAHs. Of the 15 constituents detected, none exceeded applicable criteria.

PCBs: Eight samples were analyzed for PCBs. PCBs were detected at ASB-167, although concentrations did not exceed applicable criteria.

DRO/GRO: DRO was detected in 16 of the 17 samples analyzed, with a maximum concentration of 5,800 mg/kg at ASB-175. GRO was detected in nine of the ten samples analyzed, with a maximum concentration of 2,600 mg/kg at the same location.

Metals: A total of 23 constituents were detected within the eight samples analyzed for RCRA metals and eight samples analyzed for TAL metals. Of the 23 constituents detected, four (antimony, arsenic, lead, and mercury) exceeded Industrial SRVs and an additional three (cadmium, chromium, and iron) exceeded Residential SRVs. Exceedances included:

Analyte	Residential SRV Exceedance Location	Industrial SRV Exceedance Location
Antimony	ASB-172 and ASB-175	ASB-166 and ASB-167
Arsenic	Not Applicable	ASB-165, ASB-258, ASB-259, ASB-260, and ASB-261
Cadmium	ASB-166	None
Chromium	ASB-166	None
Iron	ASB-165, ASB-167, ASB-172, and ASB-173	None
Lead	ASB-167	ASB-166, ASB-172, and ASB-175
Mercury	Not Applicable	ASB-175

Summary: Supplemental investigation results support previously observed initial investigation results. VOCs exceed criteria along the northern edge of the FA boundary and metals exceed criteria throughout the FA.

4.1.6.2 FA-7 Groundwater Results

One temporary well (ASB-166) and one permanent monitoring well (AMW-12) were installed during the SEI. A groundwater sample was collected from each location and submitted for laboratory analysis of VOCs, PAHs, RCRA metals, GRO and DRO (AMW-12) and dissolved arsenic at ASB-166. Sampling locations and groundwater exceedances are shown on Figure 14.

VOCs: A total of 12 VOCs were detected in AMW-12 (none were detected in ASB-166). Of the 12 VOCs detected, five (1,2,4-TMB, 1,3,5-TMB, benzene, ethylbenzene, and total xylenes) were detected above their applicable criteria.

PAHs: The only detected PAH constituent was 2-Methylnapthalene at a concentration of 74 µg/L. No HRLs are defined for the constituent.

GRO/DRO: GRO and DRO were detected at concentrations of 13,000 µg/L and 620 µg/L, respectively.

Metals: Two metals were detected (arsenic and barium) and only arsenic was detected above the EPA MCL.

Summary: The exceedances identified in this Supplemental Investigation are supported by previously completed Initial Investigation results. The groundwater exceedances observed in the southern portion of the FA are consistent with previously identified exceedances.

4.1.7 Focus Area 9 – Main Assembly Building (Specific to Residential Cleanup)

FA-9 is located along Mississippi River Boulevard, extending from the northern edge of the MAB to the southern property boundary, as depicted on Figure 2. The approximately 24.1-acre area incorporates portions of three exterior Features:

- Former Location of Gasoline and Diesel Fuel Underground Piping (Feature 5);
- Railroad Spurs (Feature 7); and

- Unleaded Gasoline USTs (Feature 24).

To date, eight soil borings have been completed, three permanent monitoring well installed and 12 soil samples and three groundwater samples collected within FA-9. Four of these borings (ASB-021, ASB-022, ASB-028, and ASB-029) and all permanent monitoring well installation and sampling was completed as part of the Initial Phase II Exterior Investigation. Initial results did not identify concentrations of any constituents in above applicable standards in soil throughout the FA. However, results did identify total metals concentrations in excess of applicable groundwater criteria in the northwestern portion of the FA at AMW-06.

4.1.7.1 FA-9 Soil Results

Four borings (ASB-199, ASB-200, ASB-256 and ASB-257) were completed to depths ranging from seven to 11.5 feet bgs. A total of eight samples (two per boring) were collected and submitted for laboratory analysis of one or more of the following parameters: VOCs, SVOCs, RCRA metals, PAHs, DRO, and GRO. The sample analytical suite for each boring is provided in Table 1 and sample locations are shown on Figure 15.

VOCs: A total of four constituents were observed in five of the eight samples analyzed. None of the four detections exceeded applicable criteria.

SVOCs: A total of eight constituents were observed in three of the samples analyzed for SVOCs and four samples analyzed for PAHs. None of the eight constituents detected exceeded applicable criteria.

DRO/GRO: DRO was detected in the eight samples analyzed, with a maximum concentration of 37 mg/kg at ASB-256. GRO was not detected in any of the four samples analyzed.

PCBs: PCBs were not detected in either of the two samples analyzed.

Metals: A total of five constituents were detected within the four samples analyzed for RCRA metals and four samples analyzed for dissolved lead. None of the metals detected exceeded applicable criteria.

Supplemental investigation results support the lack of elevated concentrations previously observed during the Initial investigation.

4.1.7.2 FA-9 Groundwater Results

No groundwater was encountered in any boring; therefore groundwater samples were not collected. Boring locations in FA-9 are shown on Figure 16.

4.2 Group B

Soil and groundwater analytical results collected during the supplemental investigation pertaining to FA-11 are discussed in the following sections. Although investigation activities were completed within FA-10 per the defined scope, results are addressed under separate cover in the May 2013 Draft-Final Area C –Comprehensive Site History and Investigation Report.

4.2.1 Focus Area 11 – Wastewater Treatment Plant

FA-11 is located in the western portion of the Site bounded by the Mississippi River (west), Lock and Dam No. 003 (north) and Mississippi River Boulevard (east), as depicted on Figure 2. The approximately 6.9-acre area incorporates six Features:

- Former Fuel Oil ASTs (Feature 42);
- Wastewater Collection ASTs (Feature 44);
- Wastewater Treatment Area (Feature 134);
- Former Waste Disposal Area (Feature 140);
- Former Coal Gasification Plant (Feature 153); and
- Former Tar Decanter House (Feature 154).

To date, 16 soil borings have been completed, three permanent monitoring wells installed, and 23 soil samples and two groundwater samples collected within FA-11. Five of these borings (ASB-023 through ASB-027) and all permanent well installation and sampling was completed as part of the Initial Phase II Exterior Investigation. Initial results identified concentrations of (total) metals above applicable soil and groundwater standards along the west and north portions of the FA.

4.2.1.1 FA-11 Soil Results

Eleven borings (ASB-188 through ASB-198) were completed to depths ranging from two to 15 feet bgs. A total of 18 samples (up to two per boring) were collected for laboratory analysis of one or more of the following parameters: VOCs, SVOCs, RCRA or TAL metals, DRO, and GRO. The sample analytical suite for each boring is provided in Table 1 and sample locations and exceedances are shown on Figure 17.

VOCs: A total of 16 constituents were observed in the eight samples analyzed. None of the detections exceeded applicable criteria.

SVOCs: A total of 12 constituents were observed in the eight samples analyzed. Of the 12 constituents detected, only BaP exceeded Industrial SRVs at ASB-195 and ASB-198. Detections of BaP were also observed in additional borings installed in proximity to ASB-193 and ASB-194, although concentrations were at least an order of magnitude lower and did not exceed applicable criteria.

DRO/GRO: DRO was detected in the three samples analyzed, with a maximum concentration of 57 mg/kg at ASB-198. GRO not detected in any of the three samples analyzed.

Metals: A total of 21 metals were observed in the eighteen samples analyzed. Of the 21 constituents detected, iron was the only constituent observed at concentrations above applicable criteria. Residential SRV was exceeded at ASB-196 (16,000 mg/kg) and ASB-197 (14,000 mg/kg).

Summary: Supplemental investigation results support initial investigation observations, which identified iron to exceed Residential SRVs. Previously observed exceedances of lead directly east of the Wastewater Treatment Area (Feature 134) were not confirmed in any of the ten samples collected in the area as detections ranged from 2.5 to 16 mg/kg.

4.2.1.2 FA-11 Groundwater Results

No groundwater was encountered in any boring; therefore groundwater samples were not collected. Permanent monitoring well locations in FA-11 and cumulative groundwater exceedances are shown in Figure 18.

5. Summary of Findings

A total of 86 direct push soil borings, ten temporary wells and eight permanent wells were completed within eight FAs to further investigate 26 Features for soil and groundwater impacts during the SEI. Three areas (Feature 23, 49 and 121) were not investigated due to utility interferences or other obstructions, but are planned to be completed as part of the Supplemental Phase II Exterior Delineation Investigation. As shown in the summary table below, six of the eight Focus Areas had soil exceedances of at least one SRV (excluding naturally occurring elements when they were detected at concentrations within the range of naturally occurring concentrations) and all eight FAs had groundwater exceedances of at least one applicable groundwater criteria.

Feature Name	Feature	Frequency of Exceedances		SRV Exceedances			HRL/MCL Exceedances	Analytes
		SO	GW	Res.	Rec.	Ind.		
North Parking Area	NPA	2/19	3/6	Yes	Yes	Yes	Yes	VOCs, Metals
Former Test Track	1	0/6	NA	No	No	No	NA	
Former Convoy UST	3	0/3	NA	No	No	No	NA	
Former Area of Impacted Soil – Leak #10700	4	0/2	1/1	No	No	No	Yes	VOCs
Former Location of Gasoline and Diesel Fuel Underground Piping	5	2/4	2/2	Yes	Yes	Yes	Yes	VOCs, SVOCs
Former Hazardous Waste Storage Area	8	0/2	NA	No	No	No	NA	
Former Disposal Area A	9	1/4	NA	Yes	Yes	Yes	NA	VOCs, Metals
Former Hazardous Waste Storage Area	10	5/5	1/1	Yes	Yes	Yes	Yes	SVOCs, Metals
Former Disposal Area B	11	3/5	NA	Yes	Yes	Yes	NA	VOCs, Metals
Former Railroad Spur & Former Coal Operations	12/47	0/1	0/2	No	No	No	No	
Former Gasoline, Sunoco Spirits, and Pyroxlin USTs	16	1/5	2/2	Yes	Yes	Yes	Yes	VOCs, SVOCs, Metals
Former Oil Fill Area	20	NA	0/1	NA	NA	NA	No	
1996 Glycol Release from Underground Piping	21	0/1	NA	No	No	No	NA	
Oil/Water Separator and Trench	27	0/1	NA	No	No	No	NA	
Waste Solvent USTs	35/36/37/46	0/2	NA	No	No	No	NA	
Former Fuel Oil ASTs	42	1/3	NA	Yes	Yes	Yes	NA	SVOCs, Metals
Wastewater Collections ASTs, Wastewater Treatment Area, Former Waste Disposal Area	44/134/140	0/5	NA	No	No	No	No	
Former 20,000 Gallon Gasoline AST	138	0/2	0/1	No	No	No	No	
Former Fuel Oil AST	152	0/4	1/1	No	No	No	Yes	VOCs, Metals
Former Coal Gasification Plant	153	1/2	NA	Yes	Yes	Yes	NA	SVOCs
Former Tar Decanter Building	154	0/1	NA	No	No	No	No	

6. References

ARCADIS. “Phase I Environmental Site Assessment, Ford Motor Company, Twin Cities Assembly Plant, St. Paul, Minnesota.” June 2007a.

ARCADIS. “Soil Investigation Report – Baseball Fields – Feature 139.” September 2007b.

ARCADIS. “Additional Soil Investigation and Surface Soil Risk Assessment Report – Baseball Fields – Feature 139.” December 2007c.

ARCADIS. “Initial Phase II – Exterior Investigation Report.” October 2007d.

ARCADIS. “Field Sampling Plan.” August 2007e.

ARCADIS. “Response Action Implementation Report – Baseball Fields – Feature 139.” March 2008a.

ARCADIS. “Supplemental Phase II – Exterior Investigation Work Plan.” May, 2008b.

ARCADIS. “North Parking Area Supplemental Phase II – Exterior Investigation Work Plan.” May 2008c.

ARCADIS. “Initial Phase II – Interior Investigation Report.” March, 2011.

CRA. “Remedial Investigation/Alternatives Analysis (RI/AA) Report (Draft), Ford Motor Company, Twin Cities Assembly Plant, St. Paul, Minnesota.” May 1992.

Boerngen, J.G. and H.T. Shacklette. “Chemical analyses of soils and other surficial materials of the conterminous United States.” U.S. Geological Survey Open-File Report 81-197. 1981.

ARCADIS

Tables

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
North Parking Area	The North Parking Area consists of approximately 29 acres and is mainly used for employee parking, as well as storage for newly built Ford Ranger and Mazda Series trucks prior to shipment off-site. Initial Investigation: None.	Complete **nineteen soil borings** in the north parking area to further investigate the area. The area was divided into 1-acre grids, and one boring will be installed within each grid except for those grid locations in which either a well or boring is currently installed or a well or boring will be installed. Two soil samples will be collected from each boring. If potential impacts extend to the water table, convert a maximum of four soil borings to temporary monitoring wells and sample groundwater, if encountered.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-115, ASB-116, ASB-118, ASB-123, ASB-136 PID Exceedances (above 10 ppm), entire boring: ASB-115, ASB-123,	Nineteen Geoprobe borings (ASB-115, ASB-116, ASB-117, ASB-118, ASB-123, ASB-124, ASB-125, ASB-126, ASB-128, ASB-129, ASB-130, ASB-131, ASB-132, ASB-134, ASB-136, ASB-137, ASB-141, ABS-142, ASB-143) Soils were continuously logged from the surface to the bottom of each bore hole.	Six temporary groundwater well set and sampled from ASB-115, ASB-118, ASB-128, ASB-129, ASB-130, ASB-137.	Soil: DRO (Wisconsin Modified Method) RCRA Metals (Method 6010) PAHs (Method 8270C) Soil (Provisional): VOCs (Method 8260B) GRO (Wisconsin Modified Method) PCBs (Method 8082) Groundwater (Provisional): VOCs (Method 8260) PAHs (Method 8270) DRO (Wisconsin Modified Method) GRO (Wisconsin Modified Method) RCRA Metals (Method 6010),Dissolved PCBs (Method 8082)
Former Test Track Feature 1 Eastern Portion of TCAP Property	Based on a review of aerial photographs, the former test track was historically used to test vehicles from prior to 1953 until prior to 1974. The test track was sprayed with oil for dust control based on information provided through interviews with TCAP personnel. Initial Investigation: Two Hollow Stem Auger borings (ASB-033, ASB-046).	Complete **seven soil borings** in the area of the former test track to further investigate the area. Eight borings will be located approximately 660 feet apart along the track. If potential impacts extend to the water table, convert a maximum of four soil borings to temporary monitoring wells and sample groundwater, if encountered.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Six Geoprobe borings (ASB-127, ASB-133, ASB-144, ASB-178, ASB-184, ABS-187) One boring was not completed due to interference with ongoing operations at TCAP at the time of the investigation. Soils were continuously logged from the surface to the bottom of each bore hole.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) DRO (Wisconsin Modified Method) RCRA Metals (Method 6010) PCBs (Method 8082) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) DRO (Wisconsin Modified Method) RCRA Metals (Method 6010),Dissolved PCBs (Method 8082)
Former Convoy UST Feature 3 Located Approximately 200 feet East of the Training Facility	A confirmed release (Leak #5343) from the former Convoy 2,000 gallon diesel UST was reported during UST removal activities in 1992. Approximately 150 cubic yards of soil was excavated during the remedial action. A soil boring program was implemented at the request of the MPCA to define the extent of impacts. Seven samples were collected from the sidewalls and bottom of the tank excavation and five samples were collected from boreholes completed to delineate the horizontal extent of impacts. Approximately 125 cubic yards of impacted soil were left in place beneath the clean fill used to replace the UST excavation. The release was closed in September 1992 because the impacts were delineated and vertical migration of the impacts was limited by the bedrock approximately 10 ft bgs.	Complete **three soil borings** in the area of the former Convoy UST to provide additional assessment of this feature. Convert one boring to a temporary monitoring well and sample groundwater, if soil impacts extend to groundwater table.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-139	Three Geoprobe borings (ASB-138, ASB-139, ASB-140) Soils were continuously logged from the surface to the bottom of each bore hole.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: VOCs (Method 8260B) Lead (Method 6010) GRO and DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) Lead (Method 6010), Dissolved GRO and DRO (Wisconsin Modified Method)

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Former Area of Impacted Soil - Leak #10700 Feature 4 Located in the Area Beneath the Westernmost Portion of the Current Training Center	An area of soil impacted with gasoline and diesel was reported in 1997. The impacts were the results of leakage from product lines running to gasoline and diesel USTs that were removed in 1993. The area was entered into the VPIC program in December 1997. The impacted soils were excavated and the release was closed in February 1998. A Development Response Action Plan (DRAP) was approved in February 1997 for construction of a training center in the area. During construction of the training center a total volume of 3,078 CY of impacted soil was disposed of and 50,693 gallons of groundwater generated from dewatering of the excavation was discharged to the sanitary sewer system via a permit from the City of St. Paul. A total of 31 soil borings were completed during historical investigations in the area. Twenty soil samples and 11 groundwater samples were collected and submitted to a laboratory for analysis.	Complete **two soil borings** north and west of the former leak to provide additional assessment of this feature. Convert one boring to a temporary monitoring well and sample groundwater, if soil impacts extend to groundwater table.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Two Geoprobe borings (ASB-119, ASB-120) Soils were continuously logged from the surface to the bottom of each bore hole.	Temporary groundwater well set and sampled from ASB-120.	Soil: VOCs (Method 8260B) Lead (Method 6010) GRO and DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) Lead (Method 6010), Dissolved GRO and DRO (Wisconsin Modified Method)
Former Location of Gasoline and Diesel Fuel Underground Piping Feature 5 Along northern potion of main assembly building beneath the current training center and employee parking lot	Underground steel piping was formerly utilized in conjunction with former gasoline and diesel fuel USTs in the area, which were removed in 1993. The piping had been in place since approximately 1977. Some piping may still be in place below the ground surface. The piping is estimated to be present approximately 4 to 8 feet bgs. A release occurred from the piping which impacted subsurface soils. Remedial activities were completed in the area of the piping, which included soil removal. However, in 2004-2005 during a water main repair in the area of the piping, a subsequent release was reported. The releases have been closed per the MPCA; however, based on the recurrent releases identified, impacted soil may still be present in the area of the underground piping. <u>Initial Investigation:</u> Five Hollow Stem Auger borings (ASB-029, ASB-030, ASB-045, ASB-047 and ASB-048). Temporary groundwater wells set and sampled from ASB-030 and ASB-047.	Complete **five soil borings** along the former underground piping route. Borings will be placed approximately every 150 feet along the former piping route. **Two monitoring wells** will be installed to confirm the exceedances identified at boring locations ASB-030 and ASB-047. A groundwater sample from each well will be collected for analysis.	Organic Vapors using a PID. PID Exceedances (above 10 ppm), entire boring: ASB-121, ASB-122	Four Geoprobe borings (ASB-121, ASB-122, ASB-199, ASB-200) One boring was not completed due to utility interference. Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	Two permanent groundwater wells set and sampled from AMW-16 and AMW-17.	Soil: VOCs (Method 8260B) PAHs (Method 8270C) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method) Lead (Pb) (Method 6010) Groundwater: VOCs (Method 8260B) PAHs (Method 8270C) Lead (Method 6010), Dissolved GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method)

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Railroad Spurs Feature 7 Central and southern portions of property	Railroad spurs are utilized for the delivery and loading of parts and other items to and from the assembly plant via rail cars. In addition, railcars are used to transfer final products to their retail destinations. Some areas of staining were observed within the vicinity of the railroad spurs. Initial Investigation: Five Hollow Stem Augers borings (ASB-017, ASB-021, ASB-022, ASB-031, ASB-043).	Complete **eight soil borings** in the area of the railroad spurs to further investigate potential impacts. Four borings will be located in the rail yard at the center of the site not previously investigated. The other four borings will be completed near the three sets of railroad spurs at the south portion of the plant. If potential impacts extend to the water table, convert soil borings (a maximum of three) to temporary monitoring wells and sample groundwater, if encountered.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Eight Geoprobe borings (ASB-254, ASB-255, ASB-256, ASB-257, ASB-258, ASB-259, ASB-260, ASB-261).	Temporary groundwater well set and sampled from ASB-257.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) DRO (Wisconsin Modified Method) PCBs (Method 8082) If staining is present from the 0-2 foot interval, a minimum of two samples will be analyzed for PCBs. RCRA Metals (Method 6010) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) DRO (Wisconsin Modified Method) PCBs (Method 8082) RCRA Metals (Method 6010), Dissolved
Former Hazardous Waste Storage Area Feature 8 Southwest of the paint building	Based on historical documentation reviewed, a former hazardous waste storage area was identified. The documentation did not include any reported spills from this area; however, based on the general usage of the area to store hazardous waste materials this area was investigated. Initial Investigation: Two Hollow Stem Auger borings (ASB-034, ASB-044).	Complete **three soil borings** in the area of the former hazardous waste storage area to provide additional information. Three borings will be located approximately 130 feet apart. If potential impacts extend to the water table, convert soil borings to temporary monitoring wells and sample groundwater, if encountered.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Two Geoprobe borings (ASB-179, ASB-180). One boring was co-located with a Feature 1 boring location (ASB-178). Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) TAL Metals (Method 6010) PCBs (Method 8082) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) TAL Metals (Method 6010), Dissolved PCBs (Method 8082) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method)
Former Disposal Area A Feature 9 Southwest of the Paint Building	This area was utilized as a historical disposal site for waste materials along with Former Disposal Area B (Feature 11) generated from the assembly and painting operations. Samples collected from six soil borings completed in 1992 indicated VOCs and metals were present at concentrations that exceeded remediation criteria. The areas with soil exceedances were excavated from 1992 to 1993 and relocated to Area C. Confirmation samples collected from the excavated areas and confirmed that the cleanup goals had been achieved. The Response Action Final Completion Report that documented the remediation activities was accepted by the MPCA in April 1993 and the area was delisted from the PLP in July 1993.	Complete **four soil borings** at Former Disposal Area A to provide additional assessment of this feature. Convert one boring to a temporary monitoring well and sample groundwater, if soil impacts extend to groundwater table.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-181, ASB-182 PID Exceedances (above 10 ppm), entire boring: ASB-182	Four Geoprobe borings (ASB-177, ASB-181, ASB-182, ASB-183). Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were set due to lack of sufficient groundwater observed in the boreholes.	Soil: VOCs (Method 8260B) TAL Metals (Method 6010) GRO and DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) TAL Metals (Method 6010), Dissolved GRO and DRO (Wisconsin Modified Method)

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Former Hazardous Waste Storage Area Feature 10 Near Packer Building	Based on historical documentation reviewed, a former hazardous waste storage area was identified in the area. The documentation did not include any reported spills from this area; however based on the general usage of the area to store hazardous waste materials this area was investigated. Initial Investigation: Two Hollow Stem Auger borings (ASB-013, ASB-014). Temporary groundwater well set and sampled from ASB-013.	Complete **six soil borings** in the area of the former hazardous waste storage area. Three step-out borings will be positioned in a manner to delineate the exceedances from ASB-014. In addition, one boring will be positioned near the location of ASB-014 location to provide vertical delineation of the exceedance. Also, two borings will be installed in the area of the former hazardous waste storage area to provide additional information. Convert boring near ASB-014 to a temporary monitoring well and sample groundwater, if sufficient groundwater is present.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-166, ASB-167	Six Geoprobe borings (ASB-164, ASB-165, ASB-166, ASB-167, ASB-170, ASB-171) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	Temporary groundwater well set and sampled from ASB-166.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) TAL Metals (Method 6010) PCBs (Method 8082) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method) Arsenic (Method 6010) TCLP – Arsenic See other considerations for individual boring analytical requirements. Groundwater (Provisional): Arsenic (Method 6010), Dissolved
Former Disposal Area B Feature 11 Southeast of Main Assembly Building	This area was utilized as a historical disposal site along with Former Disposal Area A (Feature 9) for waste materials generated from the assembly and painting operations. Twenty-six (26) samples collected from seventeen soil borings completed in 1992 indicated VOCs and metals were present at concentrations that exceeded remediation criteria. In addition, groundwater samples were collected from 10 monitoring wells at Former Disposal Area B and verification samples were collected from the sidewalls and bottom of excavations. The areas with soil exceedances were excavated from 1992 to 1993 and relocated to Area C. Confirmation samples collected from the excavated areas and confirmed that the cleanup goals had been achieved. The Response Action Final Completion Report that documented the remediation activities was accepted by the MPCA in April 1993 and the area was delisted from the PLP in July 1993.	Complete **five soil borings** at Former Disposal Area B to provide additional assessment of this feature. Convert up to three borings to temporary monitoring wells and sample groundwater, if soil impacts extend to groundwater table.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-172, ASB-173, ASB-175, ASB-176	Five Geoprobe borings (ASB-172, ASB-173, ASB-174, ASB-175, ASB-176) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were set due to lack of sufficient groundwater observed in the boreholes.	Soil: VOCs (Method 8260B) TAL Metals (Method 6010) GRO and DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) TAL Metals (Method 6010), Dissolved GRO and DRO (Wisconsin Modified Method)

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Former Railroad Spurs Feature 12 Along eastern portion of main assembly building **Former Coal Operations** Feature 47 East of main assembly	**Former Railroad Spurs** Feature 12 Railroad spurs were utilized for the delivery and loading of parts and other items to and from the assembly plant via rail cars. Based on their historic use the former railroad spurs were investigated. **Former Coal Operations** Feature 47 The coal hopper building was utilized to store coal for use at the Steam Plant. Coal was delivered via rail and was transferred into the coal hopper building for storage. A tunnel connecting the coal hopper building and the steam plant runs beneath the main assembly plant, which was utilized to transfer the coal from the hopper to the steam plant. . The estimated depth to the base of the coal hopper building is approximately 10 to12 feet bgs. <u>Initial Investigation:</u> Four Hollow Stem Auger borings (Feature 12: ASB-037, ASB-040; Feature 47: (ASB-005 and ASB-036). Temporary groundwater wells set and sampled from ASB-005, ASB-036 and ASB-037.	Complete **one soil boring and install two monitoring wells** in the area to provide additional information. **Two monitoring wells** will be installed to further evaluate the exceedances identified at boring locations ASB-005, ASB-036, and ASB-037.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	One Geoprobe boring (ASB-162) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	Two permanent groundwater wells set and sampled from AMW-11 and AMW-18.	Soil: VOCs (Method 8260B) PAHs (Method 8270C) DRO (Wisconsin Modified Method) PCBs (Method 8082) RCRA Metals (Method 6010) Groundwater: VOCs (Method 8260B) PAHs (Method 8270C) RCRA Metals (Method 6010), Dissolved DRO (Wisconsin Modified Method) GRO (Wisconsin Modified Method)

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Outfall 001 Feature 15 Southwest of TCAP property in Hidden Fall Regional Park	Outfall 001 is regulated under the Site's NPDES permit and discharges into Hidden Falls Regional Park. According to documentation maintained at the MPCA, three separate spill events occurred at the Hidden Falls storm drain Outfall 001 in July, August and September of 1989. Samples were taken from the outfall area by MPCA representatives, which indicated the presence of MIBK and other solvents. During a meeting with MPCA representatives, Ford indicated that the suspected source of the spill was most likely a catch basin around four USTs containing solvents. Ford agreed to complete the requirements to define the extent of contamination surrounding the waste solvent tanks and proposed remediation addressed in the RFRA issued by the MPCA in June 1990. However, documentation pertaining to additional closure sampling at Outfall 001, following the identification of the presence of MIBK, was not found at files maintained at the TCAP or the MPCA. A site reconnaissance was conducted of the area and no visual impacts were observed.	Outfall 001 is regulated under the Site's NPDES permit and discharges into Hidden Falls Regional Park. According to documentation maintained at the MPCA, three separate spill events occurred at the Hidden Falls storm drain outfall (001) in July, August and September of 1989. Samples were collected from the outfall area by MPCA representatives, which indicated the presence of MIBK and other solvents. During a meeting with MPCA representatives, Ford indicated that the suspected source of the spill was most likely a catch basin around four USTs containing solvents. Ford agreed to complete the requirements to define the extent of contamination surrounding the waste solvent tanks and proposed remediation addressed in the RFRA issued by the MPCA in June 1990. However, documentation pertaining to additional closure sampling at Outfall 001, following the identification of the presence of MIBK, was not found at files maintained at TCAP or the MPCA.	None. Considerations: Outfall 001 will be sampled as part of the Mississippi River Sampling activities and is described in the work plan titled *Groundwater Seep and Mississippi River Sampling Work Plan* dated April 11, 2008.	None.	None.	None.
Former Gasoline, Sunoco Spirits, and Pryoxlin Thinner USTs Feature 16 East of Central Engineering Office	Two former 20,000 gallon gasoline USTs were located east of the former oil house and eight 6,000 gallon gasoline, Sunoco spirits and pryoxlin thinner USTs were located north of the former oil house, which were utilized in conjunction with the former paint operations that occurred within the main assembly building. The estimated depth to the base of the former USTs is approximately 10 to12 feet bgs. Documentation pertaining to the removal and subsequent closure of the USTs was not found in files maintained at TCAP or the MPCA. <u>Initial Investigation</u>: Two Hollow Stem Auger borings (ASB-001, and ASB-002). Temporary groundwater well set and sampled from ASB-001.	Complete **seven soil borings** in the area of the former gasoline, Sunoco spirits, and pryoxlin USTs to delineate exceedances of criteria at ASB-001 and ASB-002. Seven step-out borings will be positioned in a manner to delineate the exceedances. Install **two permanent monitoring wells** and collect a groundwater sample for analysis. The wells will be co-located with the original ASB-001 and ASB-002 locations to provide vertical delineation of the exceedances.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-157, ASB-158, ASB-159, ASB-160, ASB-161	Five Geoprobe borings (ASB-157, ASB-158, ASB-159, ASB-160, ASB-161) Two soil borings, located inside the Battery House, were not completed due to clearance restrictions. Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	Two permanent groundwater wells set and sampled from AMW-14 and AMW-15.	Soil: VOCs (Method 8260B) PAHs (Method 8270C) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method) Groundwater: VOCs (Method 8260B) PAHs (Method 8270C) RCRA Metals (Method 6010), Dissolved GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method)

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Former Oil Fill Area Feature 20 Northeast of the Coal Hopper House	A review of historical drawings indicated the presence of a former oil fill location. Based on the former use of the area the oil fill location was investigated. Initial Investigation: Hollow Stem Auger borings (ASB-006, ASB-007). Temporary groundwater well set and sampled from ASB-006.	**One monitoring well** will be installed to evaluate the exceedances identified at boring location ASB-006. Install **one monitoring well** and collect a groundwater sample for analysis.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Soil assessment was not conducted.	One permanent groundwater well set and sampled from AMW-13.	Groundwater: PAHs (Method 8270C) RCRA Metals (Method 6010), Dissolved DRO (Wisconsin Modified Method) GRO (Wisconsin Modified Method)
1996 Glycol Release From Underground Piping Feature 21 Along eastern portion of main assembly building	In 1996 a leak occurred from underground piping used to transfer glycol along the eastern portion of the main assembly building. The piping is estimated to be present approximately 4 to 8 feet bgs. Based on available documentation reviewed, remediation activities were completed in the area of the release; however there was no documentation indicating that the release had been adequately remediated per the MPCA. Therefore, the glycol release represents a Feature. Initial Investigation: Two Hollow Stem Auger borings (ASB-008**,** ASB-009).	Complete **one soil boring** near ASB-008 to provide additional information.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	One Geoprobe boring (ASB-168). Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	None.	Soil: VOCs (Method 8260B) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method)
Former Brake Fluid UST Feature 23 Near southwest corner of main assembly building	A former 6,000-gallon brake fluid UST was used in fluid fill operations at TCAP. The UST was installed in 1968 and removed in 1990. The UST was of steel construction. The estimated depth to the base of the former UST is approximately 8 to 10 feet bgs. A review of available documentation indicated that there were no reported releases from this UST; however, no documentation pertaining to removal activities or closure sampling was found in files maintained at TCAP or the MPCA. Initial Investigation: No borings installed due to utilities.	Investigation will be completed during the interior investigation. Complete **four soil borings** in the area of the former brake fluid UST area to investigate potential impacts.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	No soil assessment or sampling was conducted due to utility interference.	No temporary wells were set due to utility interference.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method)

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Unleaded Gasoline USTs Feature 24 West of the warehouse	Two 20,000-gallon unleaded gasoline USTs (Figure 19) are currently utilized in conjunction with the fluid fill operations on the assembly line. The USTs are of STI-P3 construction with cathodic protection. The estimated depth to the base of the USTs is approximately 10 to12 feet bgs. A review of available documentation indicated that there were no reported releases from the USTs. Initial Investigation: One Hollow Stem Auger boring (ASB-028).	None.	None.	None.	None.	None.
Oil/Water Separator and Trench Feature 27 North of packer building	An approximate 3,000-gallon oil/water separator collects an oil/water mixture from a 100-foot long collection trench. Since this subsurface structure collects oil and water mixture and the integrity of the structure could not be inspected it is considered a Feature. Once the oil/water separator has been emptied and cleaned, the integrity of the structure will be evaluated. The depth of this Feature is still being researched. Initial Investigation: Three Hollow Stem Auger borings (ASB-010, ASB-011, ASB-012).	Complete **one soil boring** in the area of the oil/water separator and trench to further investigate potential impacts. If potential impacts extend to the water table, convert soil borings to temporary monitoring wells and sample groundwater, if encountered.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	One Geoprobe boring (ASB-168). Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010) DRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010), Dissolved DRO (Wisconsin Modified Method)

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Waste Solvent USTs Feature 35 West of the Hazardous Waste Storage Building **Former Bulk Solvent and Waste Solvent USTs** Feature 36 West of the Hazardous Waste Storage Building **Solvent UST Underground Piping** Feature 37 South of Paint Building **Sump within Solvent UST Basin** Feature 46 Northwest Corner of the UST Basin	Two 10,000 gallon USTs that store used purge solvent and cleaning solvent generated from the painting process at TCAP. The USTs are located in a basin/bunker which is raised approximately 3 to 4 feet above ground surface. During the fall of 1984 the UST area was constructed and four USTs were installed to store paints, resin and new solvents delivered to TCAP in tanker trucks. The estimated depth to the base of the former USTs is approximately 10 to12 feet bgs. A release was reported from the USTs in 1989 and remedial activities were completed in the area as part of the PRP investigation completed at TCAP. Three monitoring wells were installed in the area and were sampled annually until 2003, when the MPCA deemed the sampling not necessary. MIBK is still present in the area of the former USTs in the sump. Piping is utilized to collect solvent waste generated during the painting process that is then transferred to the used solvent USTs located south of the paint building. The piping is located in a concrete trench which is estimated to be approximately 1 to 2 feet bgs. Additional piping is utilized to transfer the used solvents from the USTs to unloading ports near the southwestern portion of the paint building for removal. Collection of groundwater from solvent UST basin which gets pumped to paint sludge pits. The sump is monitored annually due to a former release which occurred from the former solvent USTs that were removed from the area in 1992. Based on monitoring results MIBK is still detected above the applicable criteria in the sump and the next monitoring event is scheduled in fall of 2008. The base of the sump is estimated to be approximately 2 to 4 ft bgs. <u>Initial Investigation</u>: Three Hollow Stem Auger borings (ASB-018, ASB-019, and ASB-020). No temporary monitoring wells were installed.	Complete **two soil borings** to provide additional assessment of this feature. If potential impacts extend to the water table, convert one soil boring to a temporary monitoring well and a groundwater sample will be collected.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Two Geoprobe borings (ASB-185, ASB-186) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010), Dissolved

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Former Fuel Oil UST Feature 41 South of Steam Plant	The former 26,500 gallon fuel oil UST was installed south of the steam plant in approximately 1950. Based on the location of the UST it could not be removed without possibly compromising the structural integrity of the steam plant; therefore, it was closed in place in 1990. A release was reported from the UST in 1990 during its in place closure (Leak 3262). A subsurface investigation was conducted in 1991 which detected some impacts to both soil and groundwater in the area. Additional groundwater monitoring was conducted until the MPCA issued a closure letter for the release in December 1994.	None.	None.	None.	None.	None.
Former Fuel Oil ASTs Feature 42 South of Steam Plant	Former fuel oil ASTs were located south of the Steam Plant. The ASTs were removed from service in 2000 and corrective actions were completed between August 1, 2000 and October 16, 2000. The corrective actions included removal of the remaining fuel oil from the in service AST, cleaning of the AST and associated piping and dismantling of the two ASTs for recycling. <u>Initial Investigation</u>: One Hollow Stem Auger boring (ASB-026). No temporary monitoring wells were installed.	Complete **up to three soil borings** to the south east and west of the former fuel oil ASTs to provide additional assessment of this feature. Convert one boring to a temporary monitoring well and sample groundwater, if soil impacts extend to groundwater table.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Three Geoprobe borings (ASB-196, ASB-197, ASB-198) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) PCBs (Method 8082) TAL Metals (Method 6010) DRO (Wisconsin Modified Method) GRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) PCBs (Method 8082) TAL Metals (Method 6010), Dissolved DRO (Wisconsin Modified Method) GRO (Wisconsin Modified Method)

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Wastewater Collection ASTs Feature 44 North of the wastewater treatment building **Wastewater Treatment Area** Feature 134 Wastewater treatment plant **Former Waste Disposal Area** Feature 140 North of Steam Plant	<u>Wastewater Collection ASTs - Feature 44</u> Three approximate 139,000-gallon wastewater treatment tanks are utilized to store and treat process wastewater generated by the assembly and painting processes at TCAP. The phosphate process generates the majority of the wastewater. Since the ASTs contain and hold process industrial wastewater prior to and during treatment, this area was investigated. <u>Wastewater Treatment Area - Features 134</u> The wastewater treatment area houses operations including transferring, containing, storing, and treating process wastewater generated from the assembly process. Based on current and historic use this area was investigated. <u>Former Waste Disposal Area – Feature 140</u> In what appears to be an isolated disposal incident in 1966, paint waste solvent and sludge was disposed of north of the Steam Plant. Visibly contaminated soils in the area were excavated and sent to a permitted landfill. The reviewed documentation had no analytical data of the material disposed of or description of materials excavated and disposed. <u>Initial Investigation</u>: Four Hollow Stem Auger borings (ASB-023, ASB-024, ASB-025, ASB-027). No temporary monitoring wells were installed.	Complete five **additional soil borings** in the area of the wastewater treatment area to delineate the exceedance of criteria at ASB-027. Four step-out borings will be located approximately 25 feet from ASB-027 and positioned in a manner to delineate the exceedance. In addition, one boring will be co-located with the original ASB-027 location to provide vertical delineation of the exceedance. Convert ASB-027 to a temporary monitoring well and sample groundwater, if sufficient groundwater is present.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Five Geoprobe borings (ASB-188, ASB-189, ASB-190, ASB-191, ASB-192) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes.	Soil: Lead (Method 6010) TCLP Lead Groundwater (Provisional): Lead (Method 6010), Dissolved
Former Hazardous Waste Storage Area Feature 49 Along Eastern Portion of Main Assembly Building	Based on historical documentation reviewed, a former hazardous waste storage area was identified to have been located east of the main assembly building. Based on the general usage of the area to store hazardous waste materials, the former hazardous storage area was investigated. <u>Initial Investigation:</u> Two Hollow Stem Auger borings (ASB-038 and ASB-039). No temporary monitoring wells were installed.	Complete **one soil boring** to provide additional assessment of this feature.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	No soil assessment or sampling was conducted due to construction interference.	None.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) PCBs (Method 8082) TAL Metals (Method 6010) DRO (Wisconsin Modified Method) GRO (Wisconsin Modified Method)

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Sludge Pits Feature 121 Western Portion of Paint Building	The paint sludge pits separate overspray from the painting process that is captured by sheeting action of water in trenches underneath the paint booths. The northern paint sludge pit was observed to be in good condition; however, the southern paint sludge pit was currently full of water and could not be inspected. Since the southern pit could not be inspected, the Feature was investigated. The base of the sludge pits is an approximate elevation of 822 feet mean sea level. Initial Investigation: Three Hollow Stem Auger borings (ASB-015, ASB-016, and ASB-032). No temporary monitoring wells were installed.	Complete **two soil borings** in the area of the sludge pits to provide additional assessment of this feature. Convert one boring to a temporary monitoring well and sample groundwater, if soil impacts extend to groundwater table	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	No soil assessment or sampling was conducted due to utility interference. The area will be completed during a future investigation after plant shutdown.	No temporary wells were set due to utility interference.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) TAL Metals (Method 6010) Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) TAL Metals (Method 6010), Dissolved
Former 20,000 Gallon Gasoline AST Feature 138 South of Former Oil House	A former 20,000-gallon gasoline AST was removed from south of the former oil house as identified during interviews with TCAP personnel. Based on the interviewee, when the AST was removed stained soil and odors were identified. However, actions for remediation of the soil were apparently not completed in the area. It is unknown if the AST stored leaded or unleaded gasoline. Initial Investigation: Two Hollow Stem Auger borings (ASB-041 and ASB-042). No temporary monitoring wells were installed.	Complete **two soil borings** in the area of the former 20,000 gallon gasoline AST to provide additional assessment of this feature. Convert one boring to a temporary monitoring well and sample groundwater, if soil impacts extend to groundwater table.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-145, ASB-146	Two Geoprobe borings (ASB-145, ASB-146) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	Temporary groundwater well set and sampled from ASB-145.	Soil: VOCs (Method 8260B) Lead (Method 6010) GRO (Wisconsin Modified Method) Groundwater (Provisional): VOCs (Method 8260B) Lead (Method 6010), Dissolved GRO (Wisconsin Modified Method)
Potential Battery Waste Disposal Area Feature 139 Baseball Diamonds	Based on documentation reviewed the area was potentially used for disposal of battery waste. The MPCA requested a geophysical study in the area; however, no documentation pertaining to additional investigations into Feature 139 was found. Initial Investigation: 30 Geoprobe borings (ASB-049 to ASB-054 and ASB-071 to ASB-094). 39 surface soil samples (AGM-SS-001, to AGM-SS039) collected from 0 to 6 inches below ground surface. Temporary groundwater well set and sampled from ASB-076 and ASB-087.	None.	None.	None.	None.	None.

ARCADIS

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Drums Feature 143 Underground Sand Tunnel 1A South and Sand Tunnel 4A	A total of three drums were observed in the sand tunnels. The floor and walls of the sand tunnels consist of sandstone. Two of three drums were empty all drums were rusted and in poor condition with no lids. Staining was not observed in or near the drums observed in these areas. It appeared that the drums may have been historically utilized to mix concrete or mortar. However, due to the presence of the corroded drums of which the former contents is unknown, the area was investigated. Initial Investigation: Two Hand Augers (HA-055, HA-056).	None.	None.	None.	None.	None.
Utility Tunnel Staining Feature 144 Underground Utility Tunnel	Staining was identified on the concrete floor surface within the utility tunnel. The utility tunnel may have been associated with historical Fluid Fill AST tank farm (UST/AST Feature 52) located in or near the former fuel house which contains product piping. Initial Investigation: Two Hand Augers (HA-069, HA-070).	None.	None.	None.	None.	None.
Flow Stone Feature 149 Underground Easternmost Portion of Gas Tunnel	At the east end of the gas tunnel, water was observed to be leaking in from the main assembly building above. The floor and walls of the gas tunnel consist of sandstone. Flow stone was observed on the walls within the gas tunnel. Initial Investigation: One Hand Auger (HA-068).	None.	None.	None.	None.	None.
Potential Film/Staining Feature 151 Underground Sand Tunnels	Several of the mined sand tunnels contain railroad ties (with a limited number having rails still attached) which were used to transport the mined sand from the tunnels for use in the glass manufacturing operations in the main assembly building. A number of these tunnels have had or currently had standing water in them, and a film/staining on the standing water was observed in these areas. The staining may have been related to wood preservation residuals. The film/staining was observed to be dark brown to black in color. Initial Investigation: Seven Hand Augers (HA-057, HA-058, HA-059, HA-060, HA-061, HA-062, HA-063).	None.	None.	None.	None.	None.

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

	Environmental Concern					
Area of Concern	**Background**	**Supplemental Scope**	**Field Measurements**	**Investigation Activities Conducted**	**Groundwater Assessment**	**Analytical Requirements**
Former Fuel Oil UST Feature 152 East of Central Engineering Office	The 27,000-gallon UST may have been utilized to provide fuel as a heating source in the main assembly building. The UST was installed at an unknown date and no documentation pertaining to its removal was found through research activities; therefore, the UST may still be in place at TCAP. The estimated depth to the base of the former UST is approximately 10 to12 feet bgs. Initial Investigation: Two Hollow Stem Auger borings (ASB-003, ASB-004). Temporary groundwater well set and sampled from ASB-003.	Complete **four soil borings** in the area of the former fuel oil UST to delineate the exceedances of criteria at ASB-003. Four step-out borings will be positioned in a manner to delineate the exceedance. In addition, one boring will be co-located with the original ASB-003 (and converted to **one monitoring well**) location to provide vertical delineation of the exceedance. A groundwater sample will be collected for analysis.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): ASB-135, ASB-147, ASB-148, ASB-163 PID Exceedances (above 10 ppm), entire boring: ASB-163	Four Geoprobe borings (ASB-135, ASB-147, ASB-148, ASB-163) Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	One permanent groundwater well set and sampled from AMW-12.	Soil: VOCs (Method 8260B) PAHs (Method 8270C) GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method) Groundwater: VOCs (Method 8260B) PAHs (Method 8270C) RCRA Metals (Method 6010), Dissolved GRO (Wisconsin Modified Method) DRO (Wisconsin Modified Method)
Former Coal Gasification Plant Feature 153 Near Steam Plant	Historically, a coal gasification plant was located near the steam plant where coal was used to generate gas. The gas was then pumped to the main assembly plant through the gas tunnel. Based on aerial photographs the plant was constructed prior to 1937 and was demolished between 1957 and 1974. Initial Investigation: None.	Complete **four soil borings** to assess subsurface conditions. One soil boring will be completed and converted to a temporary monitoring well adjacent to the river down gradient from the Former Coal Gasification Plant if groundwater is present.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	Two Geoprobe borings (ASB-193, ASB-195) Two soil borings were not completed due to utility interference with gas lines. Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes, and due to utility interference with gas lines.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010) Free Cyanide Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010), Dissolved Free Cyanide
Former Tar Decanter House Feature 154 Near Steam Plant	Historically, a coal gasification plant was located near the steam plant where coal was used to generate gas. The gas was then pumped to the main assembly plant through the gas tunnel. Based on aerial photographs the plant was constructed prior to 1937 and was demolished between 1957 and 1974. Initial Investigation: None.	Complete **four soil borings** to assess subsurface conditions. One soil boring will be completed and converted to a temporary monitoring well adjacent to the river down gradient from the Former Coal Gasification Plant if groundwater is present.	Organic Vapors using a PID. PID Exceedances (above 10 ppm): None.	One Geoprobe borings (ASB-194) Three soil borings were not completed due to accessibility restrictions. Soil assessment and sampling was conducted utilizing the same methodology described in Feature 1 above.	No temporary wells were because groundwater was not encountered in any of the boreholes, and due to accessibility issues.	Soil: VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010) Free Cyanide Groundwater (Provisional): VOCs (Method 8260B) SVOCs (Method 8270C) RCRA Metals (Method 6010), Dissolved Free Cyanide

Table 1. Summary of Supplemental Phase II-Exterior Investigation Activities
Twin Cities Assembly Plant, St. Paul, Minnesota

Area of Concern	Environmental Concern	Field Measurements	Investigation Activities Conducted	Groundwater Assessment	Analytical Requirements
Disposal of Investigation-Derived Waste					
Characterization of Investigation-Derived Waste (IDW)	All soil and groundwater IDW were containerized and properly labeled. One composite soil sample was collected from the soil staging roll off box, and one composite soil sample was collected from soil 55-gallon steel drums.		One soil sample collected from the soil staging roll off box. One soil sample collected from the soil 55-gallon steel drums.	Two water samples taken from the 1000 gallon staging poly tanks.	Base Scope SOIL: TCLP VOCs TCLP SVOCs TCLP RCRA Metals PCBs GROUNDWATER: VOCs (Method 8260) SVOCs (Method 8270) RCRA Metals (Method 6010)

Notes:
1. Investigation Derived Wastes (IDWs): IDWs were managed and disposed in accordance with applicable State regulations. As part of the base scope of work, soil cuttings and purge water was containerized as appropriate, temporarily staged at a location authorized by plant personnel, and disposed at an appropriate off-site facility.
2. Features 35, 36, 37, and 46 were co-located during Phase II exterior field investigation.
3. Features 44, 134, and 140 were co-located during Phase II exterior field investigation.

MONITORING WELL INSTALLATION AND DEVELOPMENT:
Monitoring wells and piezometers shall be installed according to MDH well codes.
All wells completed 5 feet or more in limestone or dolomite will be completed as single cased wells with open bore hole or as double cased wells with stainless steel screens.
All wells materials used for well construction will meet the MDH well codes.
The wells shall be secured with a locking expandable cap.
All wells completed in roadway, sidewalk, driveway, or a parking area will be completed at grade with a flush-mount protective cover set inside a 48-inch square 4-inch thick concrete pad. The concrete pad shall be sloped to facilitate runoff drainage away from the well.
All wells completed in areas other than those listed above will be completed as above grade monitoring wells with a steel protective casing and protective posts as required by MDH wells code.
The wells shall be pad-tagged or otherwise permanently labeled to indicate the well identification.
Each monitoring well shall be developed using typical and appropriate methods. Development water shall be considered an IDW and managed appropriately.
Monitoring wells may be sampled only a minimum of 48 hours after development.

ACRONYMS:

ASB	ARCADIS Soil Boring	HSA	Hollow-Stem Auger	PAH	Polycyclic Aromatic Hydrocarbons	TAL	Target Analyte List
AST	Above Ground Storage Tank	HRL	Health Risk Limit	PCB	Polychlorinated Biphenyls	TCAP	Twin Cities Assembly Plant
CRA	Conestoga Rovers & Associates	IDW	Investigative Derived Waste	PID	Photo-Ionization Detector	TMB	Trimethylbenzenes
ft bgs	Feet Below Ground Surface	MDH	Minnesota Department of Health	PLP	Permanent List of Priorities	USCS	United Soil Classification System
DRAP	Development Response Action Plan	MIBK	Methyl Isobutyl Ketone	ppm	Parts per million	VIC	Voluntary Investigation and CleanupProgram
DRO	Diesel Range Organics	MTBE	Methyl Tert-Butyl Ether	PRP	Potentially Responsible Parties	VOC	Volatile Organic Compound
GRO	Gasoline Range Organics	mg/kg	Milligram per Kilogram	RCRA	Resource Conservation and Recovery Act		
HA	Hand Auger	MPCA	Minnesota Pollution Control Agency	SRV	Soil Reference Value		
HASP	Health and Safety Plan	MS/MSD	Matrix Spike/Matrix Spike Duplicate	SVOC	Semi-Volatile Organic Compound		

ARCADIS

Table 2. Field Screening Headspace Summary
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Feature Name	Feature Number	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)	DTW (ft)	Sampled Interval	Sample Collection Rationale
1	North Parking Area	NPA	ASB-115	0	1	28.4			
			ASB-115	1	2	36.3		2-4	Collected per work plan
			ASB-115	5	6	26.7		4-6	Collected unsaturated sample above water table
			ASB-115	6	8	524.1	6.5		Saturated at interval specified in work plan (6' to 8')
			ASB-115	8	10	327.2			
			ASB-115	10	12	98.2			
1	North Parking Area	NPA	ASB-116	0	1	3			
			ASB-116	1	2	2.8			
			ASB-116	4.5	6	54.8		4-6	Inadequate recovery at interval specified in work plan (2' to 4')
			ASB-116	6	8	1.8		6-8	Collected per work plan
			ASB-116	8	9	2.8	8		
1	North Parking Area	NPA	ASB-117	0	1	2.7		0-2	Collected unsaturated sample above water table
			ASB-117	1	2.5	3			
			ASB-117	2.5	4	2.4		2-4	Collected per work plan
			ASB-117	5	6	1.4	5		
			ASB-117	6	8	1.9			Saturated at interval specified in work plan (6' to 8')
1	Former Area of Impacted Soil Leak #10700	4	ASB-119	0	2	0			
			ASB-119	2	4	0			
			ASB-119	5	6	0		5-7	Inadequate recovery at interval specified in work plan (4' to 6')
			ASB-119	6	8	0			
			ASB-119	8	12	0		8-10	Collected per work plan
1	Former Area of Impacted Soil Leak #10700	4	ASB-120	0	5	---			
			ASB-120	5	6	0.3		4-6	Collected per work plan
			ASB-120	6	8	0.1		6-8	Collected per work plan
			ASB-120	8	10	0.2	8		
			ASB-120	10	11.5	0			
1	North Parking Area	NPA	ASB-123	0	2	180.3			
			ASB-123	2	4	153.2		2-4	Collected per work plan
			ASB-123	5	7	142			
			ASB-123	7	8	600.3		6-8	Collected per work plan
			ASB-123	8	10	627.3	8		
			ASB-123	10	12	676.3			
1	North Parking Area	NPA	ASB-124	0	1	---			
			ASB-124	1	3	0.4		2-4	Collected per work plan
			ASB-124	3	5	0			
			ASB-124	5	6	0			
			ASB-124	6	8	0		6-8	Collected per work plan
1	North Parking Area	NPA	ASB-125	0	1	---			
			ASB-125	1	3	0			
			ASB-125	3	5	0		3-5	Inadequate recovery at interval specified in work plan (2' to 4')
			ASB-125	5	6	0			
			ASB-125	6	8	0		6-8	Collected per work plan
1	North Parking Area	NPA	ASB-126	0	2	0			
			ASB-126	2	4	0		2-4	Collected per work plan
			ASB-126	4	6	0			
			ASB-126	6	8	0		6-8	Collected per work plan
1	Former Test Track	1	ASB-127	0	2	5		0-2	Collected per work plan
			ASB-127	2	4	1.2			
			ASB-127	5	6	0.3			
			ASB-127	6	8	0			
			ASB-127	8	10	0	8		
			ASB-127	10	12	0			
1	North Parking Area	NPA	ASB-128	0	2	---		0-2	Inadequate recovery at interval specified in work plan (2' to 4')
			ASB-128	2	4	0			
			ASB-128	4	6	0			
			ASB-128	6	8	0		6-8	Collected per work plan
			ASB-128	8	10.5	0	8		
1	North Parking Area	NPA	ASB-129	0	2	0.1			
			ASB-129	2	4	0.1		2-4	Collected per work plan
			ASB-129	4	6	0	4		
			ASB-129	6	8	0		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-129	8	10	0			
			ASB-129	10	12	0			
1	North Parking Area	NPA	ASB-130	0	2	0	0		
			ASB-130	2	4	0		NS	Saturated at interval specified in work plan (2' to 4')
			ASB-130	4	6	0.2			
			ASB-130	6	8	0		NS	Saturated at interval specified in work plan (6' to 8')
1	North Parking Area	NPA	ASB-131	0	2	0			
			ASB-131	2	4	0		2-4	Collected per work plan
			ASB-131	4	6	0	5		
			ASB-131	6	8	0		NS	Saturated at interval specified in work plan (6' to 8')
1	North Parking Area	NPA	ASB-132	0	2	0			
			ASB-132	2	4	0		2-4	Collected per work plan
1	Former Test Track	1	ASB-133	0	2	0			
			ASB-133	2	4	0		2-4	Collected per work plan
			ASB-133	4	6	0			
			ASB-133	6	8	0			
1	North Parking Area	NPA	ASB-134	0	1	0			
			ASB-134	1	2	0.5			
			ASB-134	2	4	0		2-4	Collected per work plan
			ASB-134	4	5	0	4		
			ASB-134	5	6	0			
			ASB-134	6	8	0		NS	Saturated at interval specified in work plan (6' to 8')

Notes on Page 6.

ARCADIS

Table 2. Field Screening Headspace Summary
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Feature Name	Feature Number	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)	DTW (ft)	Sampled Interval	Sample Collection Rationale
1	North Parking Area	NPA	ASB-137	0	2	0.2			
			ASB-137	2	4	0.3		2-4	Collected per work plan
			ASB-137	4	6	0	5		
			ASB-137	6	8	0		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-137	8	9	0.3			
			ASB-137	9	11	0.4			
1	Former Convoy UST	3	ASB-138	0	2	0			
			ASB-138	2	4	0		2-4	Collected per work plan
			ASB-138	4	8	---			
1	Former Convoy UST	3	ASB-139	0	2	0			
			ASB-139	2	4	2.1			
			ASB-139	4	6	3.1			
			ASB-139	6	8	11.3		6-8	Collected per work plan
1	Former Convoy UST	3	ASB-140	0	2	2.8			
			ASB-140	2	4	1.6			
			ASB-140	4	6	2			
			ASB-140	6	8	2.2		6-8	Collected per work plan
1	North Parking Area	NPA	ASB-141	0	2	1			
			ASB-141	2	4	1.8		2-4	Collected per work plan
			ASB-141	4	6	2.8			
			ASB-141	6	8	5.9		6-8	Collected per work plan
1	North Parking Area	NPA	ASB-142	0	2	2.2			
			ASB-142	2	4	3.2		2-4	Collected per work plan
1	North Parking Area	NPA	ASB-143	0	1	4		1-3	Inadequate recovery at interval specified in work plan (2' to 4')
			ASB-143	1	2	4.7			
			ASB-143	2	3	4.8			
1	Former Fuel Oil UST	152	ASB-148	0	2	2.4		0-2	Collected per work plan
			ASB-148	2	4	2.3			
			ASB-148	4	6	3.2		4-6	Saturated at interval specified in work plan (6' to 8')
			ASB-148	6	8	1060	7		
			ASB-148	8	12	1651		NS	Saturated at interval specified in work plan (10' to 12')
			ASB-148	12	14	138			
			ASB-148	14	16	301.9			
1	Former Gasoline, Sunoco Spirits, and Pryoxlin Thinner USTs	16	ASB-157	0	2	0		0-2	Collected per work plan
			ASB-157	2	4	0			
			ASB-157	4	6	0			
			ASB-157	6	8	0	6		
			ASB-157	8	10	0		NS	Saturated at interval specified in work plan (8' to 10')
			ASB-157	10	11	33.4		NS	Saturated at interval specified in work plan (10' to 12')
			ASB-157	11	12	473.3			
1	Former Gasoline, Sunoco Spirits, and Pryoxlin Thinner USTs	16	ASB-158	0	2	0		0-2	Collected per work plan
			ASB-158	2	4	0			
			ASB-158	4	6	187.4		4-6	Saturated at interval specified in work plan (6' to 8')
			ASB-158	6	8	490.5	6		
			ASB-158	8	9	631.5			
			ASB-158	9	10	25.8			
			ASB-158	10	11	2.1		NS	Saturated at interval specified in work plan (10' to 12')
			ASB-158	11	12	10.7			
1	Former Gasoline, Sunoco Spirits, and Pryoxlin Thinner USTs	16	ASB-160	0	2	2.4			
			ASB-160	2	4	13.8		2-4	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-160	4	6	534.3		5-7	Saturated at interval specified in work plan (8' to 10')
			ASB-160	6	8	1363	7		
			ASB-160	8	10	1200			
			ASB-160	10	12	51.4		NS	Saturated at interval specified in work plan (10' to 12')
1	Former Gasoline, Sunoco Spirits, and Pryoxlin Thinner USTs	16	ASB-161	0	2	1.4		1-3	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-161	2	4	0.5			
			ASB-161	4	6	178.4	4		
			ASB-161	6	8	---		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-161	8	10	---			
			ASB-161	10	12	---		NS	Saturated at interval specified in work plan (10' to 12')
2	North Parking Area	NPA	ASB-118	0	2	0			
			ASB-118	2	4	0		2-4	Collected per work plan
			ASB-118	5	6	0.1		5-7	Saturated at interval specified in work plan (6' to 8')
			ASB-118	6	7	0			
			ASB-118	7	8	3.7	7		
			ASB-118	8	10	11.4			
			ASB-118	10	12	0.1			
2	Former Location of Gasoline and Diesel Fuel Underground Piping	5	ASB-121	0	2	---			
			ASB-121	2	4	794			
			ASB-121	5	6	775.6		5-7	Inadequate recovery at interval specified in work plan (highest PID)
			ASB-121	6	8	657.2			
			ASB-121	8	10	515.6		8-10	Collected per work plan
			ASB-121	10	12	400.9	10		
2	Former Location of Gasoline and Diesel Fuel Underground Piping	5	ASB-122	0	2	---			
			ASB-122	2	4	133.7		2-4	Collected per work plan
			ASB-122	4	6	149.2			
			ASB-122	6	7	166.9		6-8	Collected per work plan
			ASB-122	7	8	494.6	7		
			ASB-122	8	10	454.1			
			ASB-122	10	12	271.8			

Notes on Page 6.

ARCADIS

Table 2. Field Screening Headspace Summary
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Feature Name	Feature Number	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)	DTW (ft)	Sampled Interval	Sample Collection Rationale
2	North Parking Area	NPA	ASB-136	0	2	2		1-3	Collected per work plan
			ASB-136	2	4	0.4			
			ASB-136	4	5	8.2			
			ASB-136	5	6	5.3			
			ASB-136	6	8	14.5	6	NS	Saturated at interval specified in work plan (6' to 8')
			ASB-136	8	10	1.7			
			ASB-136	10	11	0.7			
2	Former 20,000 Gallon Gasoline AST	138	ASB-145	0	2	2.1		0-2	Collected per work plan
			ASB-145	2	4	2.8			
			ASB-145	4	5	2.9	4.5		
			ASB-145	5	6	4.8			
			ASB-145	6	8	4.1		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-145	8	10	4.5			
			ASB-145	10	12	31.1			
2	Former 20,000 Gallon Gasoline AST	138	ASB-146	0	2	3		0-2	Collected per work plan
			ASB-146	2	4	4.4			
			ASB-146	4	6	3.5			
			ASB-146	6	8	973.1		6-8	Collected per work plan
			ASB-146	8	10	940.8	8		
			ASB-146	10	11	99.8			
			ASB-146	11	12	18.2			
2	Former Fuel Oil UST	152	ASB-147	0	2	13.6		0-2	Collected per work plan
			ASB-147	2	4	5.3			
			ASB-147	4	6	14.8			
			ASB-147	6	8	427.4		6-8	Collected per work plan
			ASB-147	8	9	421.3	8		
			ASB-147	9	11	849.9		NS	Saturated at interval specified in work plan (10' to 12')
			ASB-147	11	12	24.8			
2	Former Gasoline, Sunoco Spirits, and Pryoxlin Thinner USTs	16	ASB-159	0	2	1.2			
			ASB-159	2	4	92.4		2-4	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-159	4	6	1057		5-7	Saturated at interval specified in work plan (8' to 10')
			ASB-159	6	8	842.5	7.5		
			ASB-159	8	10	1264			
			ASB-159	10	12	77		NS	Saturated at interval specified in work plan (10' to 12')
4	Former Fuel Oil UST	152	ASB-135	0	2	7			
			ASB-135	2	4	329.3		2-4	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-135	4	6	14			
			ASB-135	6	8	694.4		6-8	Collected per work plan
			ASB-135	8	9	393.2		8-9	Refusal before interval specified in work plan (10' to 12')
4	Former Railroad Spurs and Former Coal Operations	12 and 47	ASB-162	0	2	6.8		1-3	Inadequate recovery at intervals specified in work plan (0' to 2' or 2' to 4')
			ASB-162	2	4	0.3			
			ASB-162	4	6	0.5			
			ASB-162	6	8	0.4	6		
4	Former Railroad Spurs and Former Coal Operations	12 and 47	ASB-162	8	9	0.7			
			ASB-162	9	10	0.3			
			ASB-162	10	12	0.4			
4	1996 Glycol Release From Underground Piping and Oil/Water Separator and Trench	21 and 27	ASB-168	0	2	1.3		0-2	Collected per work plan
			ASB-168	2	4	0.7			
			ASB-168	4	6	0.9		4-6	Collected per work plan
			ASB-168	6	8	0.2			Inadequate recovery at interval specified in work plan (6' to 8')
			ASB-168	8	9	0.2	8		
			ASB-168	9	10	0			
			ASB-168	10	12	0			
4	Oil/Water Separator and Trench	27	ASB-169	0	2	0			
			ASB-169	2	4	0		3-5	Saturated at interval indicated in work plan (below oil/water separator)
			ASB-169	4	5	0			
			ASB-169	5	6	0	5		
			ASB-169	6	8	0			
			ASB-169	8	10	0			
			ASB-169	10	12	0			
4	Former Hazardous Waste Storage Area	10	ASB-170	0	1	---		0-2	Collected per work plan
			ASB-170	1	2	1.4			
			ASB-170	2	4	0.8			
			ASB-170	4	6	1.6		4-6	Collected per work plan
			ASB-170	6	8	1.4	6		
			ASB-170	8	10	0.8		NS	Saturated at interval specified in work plan (8' to 10')
			ASB-170	10	12	1			
4	Former Hazardous Waste Storage Area	10	ASB-171	0	2	0.8		1-3	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-171	2	4	0.6			
			ASB-171	4	6	0.7	5	NS	Saturated at interval specified in work plan (4' to 6')
			ASB-171	6	8	0.5		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-171	8	10	0.7		NS	Saturated at interval specified in work plan (8' to 10')
			ASB-171	10	12	0.3			
4	Former Disposal Area B	11	ASB-174	0	4	1			
			ASB-174	4	6	1.1		4-6	Collected per work plan
			ASB-174	6	8	1	6		
			ASB-174	8	12	0.4			
4	Former Disposal Area B	11	ASB-176	0	4	1.5			
			ASB-176	4	8	1.6			
			ASB-176	8	10	861.6		8-10	Collected per work plan
			ASB-176	10	12	840.5	10		

Notes on Page 6.

ARCADIS

Table 2. Field Screening Headspace Summary
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Feature Name	Feature Number	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)	DTW (ft)	Sampled Interval	Sample Collection Rationale
4	Railroad Spurs	7	ASB-254	0	2	54.0/4.0		0-2	Collected per work plan
			ASB-254	2	4	1.8/1.2			
			ASB-254	4	6	2.2		4-5	Collected per work plan
			ASB-254	6	8	1.6/1.9			
4	Railroad Spurs	7	ASB-255	0	2	4.7/1.8		0-2	Collected per work plan
			ASB-255	2	4	0.9			
			ASB-255	4	6	0.7			
			ASB-255	6	8	0.9			
			ASB-255	8	10	2.5		8-8.5	Collected per work plan
5	Former Test Track	1	ASB-144	0	2	3.7			
			ASB-144	2	4	4.1		2-4	Collected per work plan
			ASB-144	4	6	3.6			
			ASB-144	6	8	1.6			
5	Former Test Track	1	ASB-187	0	2	0			
			ASB-187	2	4	0		2-4	Collected per work plan
			ASB-187	4	6	0			
			ASB-187	6	8	0			
			ASB-187	8	9	0	8		
			ASB-187	9	10.5	0			
6	Former Disposal Area A	9	ASB-177	0	4	0.9			
			ASB-177	4	6	0.9		4-6	Collected per work plan
			ASB-177	6	7	1.4	6		
6	Former Test Track	1	ASB-178	0	2	0		0-2	Collected per work plan
			ASB-178	2	4	0			
6	Former Hazardous Waste Storage Area	8	ASB-179	0	2	0		0-2	Collected per work plan
			ASB-179	2	4	0			
6	Former Hazardous Waste Storage Area	8	ASB-180	0	2	0		0-2	Collected per work plan
			ASB-180	2	4	0		2-4	Collected per work plan
6	Former Disposal Area A	9	ASB-181	0	2	0.7			
			ASB-181	2	4	40.1			
			ASB-181	4	6	28.6			
			ASB-181	6	8	87.6		6-8	Collected per work plan
			ASB-181	8	9	102.6	8		
			ASB-181	9	11	5.3			
6	Former Disposal Area A	9	ASB-182	0	2	29.3			
			ASB-182	2	4	723.9		2-4	Collected per work plan
			ASB-182	4	6	719.3			
			ASB-182	6	8	419			
			ASB-182	8	10	95.2			
			ASB-182	10	11.5	91.8			
6	Former Disposal Area A	9	ASB-183	0	1	0.3		0-2	Collected per work plan
			ASB-183	1	2	0			
			ASB-183	2	4	0			
			ASB-183	4	6	0			
			ASB-183	6	7	0			
6	Former Test Track	1	ASB-184	0	2	0			
			ASB-184	2	4	0		2-4	Collected per work plan
			ASB-184	4	6	0			
			ASB-184	6	8	0			
			ASB-184	8	10	0			
6	Waste Solvent USTs, Former Bulk Solvent and Waste Solvent USTs, Undergound Piping and Sump	35, 36, 37, 46	ASB-185	0	2	0		0-2	Collected per work plan
			ASB-185	2	4	0			
			ASB-185	4	6	0		4-6	Collected per work plan
			ASB-185	6	8	0			
6	Waste Solvent USTs, Former Bulk Solvent and Waste Solvent USTs, Undergound Piping and Sump	35, 36, 37, 46	ASB-186	0	2	0		0-2	Collected per work plan
			ASB-186	2	4	0			
			ASB-186	4	6	0		4-6	Collected per work plan
			ASB-186	6	8	0			
7	Former Fuel Oil UST	152	ASB-163	0	2	21.6			
			ASB-163	2	4	177.8		2-4	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-163	4	6	143.7		4-6	Saturated at interval specified in work plan (6' to 8')
			ASB-163	6	7	668.2	6		
			ASB-163	7	8	920.7			
			ASB-163	8	10	862.1			
			ASB-163	10	12	70.2		NS	Saturated at interval specified in work plan (10' to 12')
7	Former Hazardous Waste Storage Area	10	ASB-164	0	4	0	0.5	NS	Saturated at interval specified in work plan (0' to 2')
			ASB-164	4	8	0.1		NS	Saturated at interval specified in work plan (4' to 6')
			ASB-164	8	10	0		NS	Saturated at interval specified in work plan (8' to 10')
			ASB-164	10	11.5	0			
7	Former Hazardous Waste Storage Area	10	ASB-165	0	1	0.6		0-2	Collected per work plan
			ASB-165	1	2	0			
			ASB-165	2	4	0	2		
			ASB-165	4	6	4		NS	Saturated at interval specified in work plan (4' to 6')
			ASB-165	6	8	0.4		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-165	8	10.5	0.1		NS	Saturated at interval specified in work plan (8' to 10')
7	Former Hazardous Waste Storage Area	10	ASB-166	0	2	2.7			
			ASB-166	2	4	19.5		2-4	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-166	4	6	5.8	4	NS	Saturated at interval specified in work plan (4' to 6')
			ASB-166	6	8	19.8		NS	Saturated at interval specified in work plan (6' to 8')
			ASB-166	8	10	632.6		NS	Saturated at interval specified in work plan (8' to 10')
			ASB-166	10	12	636.6			

Notes on Page 6.

Table 2. Field Screening Headspace Summary
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Feature Name	Feature Number	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)	DTW (ft)	Sampled Interval	Sample Collection Rationale
7	Former Hazardous Waste Storage Area	10	ASB-167	0	2	3.8		0-2	Collected per work plan
			ASB-167	2	4	10.4			
			ASB-167	4	6	2.3			
			ASB-167	6	8	10.4		6-8	Collected per work plan
			ASB-167	8	10	656.7		8-10	Collected per work plan
			ASB-167	10	12	480.1	10		
7	Former Disposal Area B	11	ASB-172	0	2	4.5		1-3	Collected per work plan
			ASB-172	2	4	14.9	3		
			ASB-172	4	8	212			
			ASB-172	8	10	575.7			
			ASB-172	10	12	0			
7	Former Disposal Area B	11	ASB-173	0	2	1		1-3	Collected per work plan
			ASB-173	2	4	2.5	3		
			ASB-173	4	6	386.2			
			ASB-173	6	8	398.3			
			ASB-173	8	10	817.6			
			ASB-173	10	12	373.7			
7	Former Disposal Area B	11	ASB-175	0	2	5.3			
			ASB-175	2	4	730.5			
			ASB-175	4	6	902.8		4-6	Collected per work plan
			ASB-175	6	8	18.1			
			ASB-175	8	10	70.8			
			ASB-175	10	12	7			
7	Railroad Spurs	7	ASB-258	0	2	0		1-3	Collected per work plan
			ASB-258	2	4	0			
			ASB-258	4	6	0			
			ASB-258	6	8	0		6-7	Collected per work plan
			ASB-258	8	10	0			
			ASB-258	10	12	0			
7	Railroad Spurs	7	ASB-259	0	2	0		1-2	Collected per work plan
			ASB-259	2	4	0			
			ASB-259	4	6	0		4-6	Collected per work plan
			ASB-259	6	8	0			
			ASB-259	8	10	---	8		
			ASB-259	10	12	0			
7	Railroad Spurs	7	ASB-260	0	2	0		1-2	Collected per work plan
			ASB-260	2	4	0			
			ASB-260	4	6	---			
			ASB-260	6	8	0		7-8	Collected per work plan
			ASB-260	8	10	0			
			ASB-260	10	12	0			
7	Railroad Spurs	7	ASB-261	0	2	0		0.5-2	Collected per work plan
			ASB-261	2	4	0			
			ASB-261	4	6	0			
			ASB-261	6	8	0			
			ASB-261	8	10	0		9-11	Collected per work plan
			ASB-261	10	12	0			
9	Former Location of Gasoline and Diesel Fuel Underground Piping	5	ASB-199	0	2	0.2		0-2	Collected per work plan
			ASB-199	2	4	0.1		2-4	Collected per work plan
			ASB-199	4	7	0.1			
9	Former Location of Gasoline and Diesel Fuel Underground Piping	5	ASB-200	0	2	0.1		0-2	Collected per work plan
			ASB-200	2	4	0			
			ASB-200	4	6	0		4-6	Collected per work plan
			ASB-200	6	8	0			
9	Railroad Spurs	7	ASB-256	0	2	0.7			
			ASB-256	2	4	0.7		3-4	Collected per work plan
			ASB-256	4	6	0.7			
			ASB-256	6	8	0.4			
			ASB-256	8	10	0.8/1.8		9-10	Collected per work plan
			ASB-256	10	11.5	1.2			
9	Railroad Spurs	7	ASB-257	0	1.5	---			
			ASB-257	1.5	4	0.8/0.7		1.5-2	Collected per work plan
			ASB-257	4	6	0.4			
			ASB-257	6	8	0.6		6-8	Collected per work plan
			ASB-257	8	8.5	---	8		
11	Waste Collection ASTs, Wastewater Treatment Area, and Former Waste Disposal Area	44, 134, 140	ASB-188	0	2.5	0.4		0-2	Collected per work plan
			ASB-188	2.5	3	0.7			
			ASB-188	3	4	0.8			
			ASB-188	4	6	1.3		4-6	Collected per work plan
			ASB-188	6	8	1.4			
			ASB-188	8	10	0.7			
			ASB-188	10	12	0.3			
			ASB-188	12	14	0.2			
11	Waste Collection ASTs, Wastewater Treatment Area, and Former Waste Disposal Area	44, 134, 140	ASB-189	0	2	0.6		NS	Inadequate recovery at intervals specified in work plan (0' to 2')
			ASB-189	2	4	0.7			
			ASB-189	4	6	0.5		4-6	Collected per work plan
			ASB-189	6	8	0.8			
			ASB-189	8	10	0.5			
			ASB-189	10	12	0.5			
			ASB-189	12	14	0.3			
			ASB-189	14	15	0.5			

Notes on Page 6.

ARCADIS

Table 2. Field Screening Headspace Summary
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Feature Name	Feature Number	Location	Start Depth (ft)	Finish Depth (ft)	PID Reading (ppm)	DTW (ft)	Sampled Interval	Sample Collection Rationale
11	Waste Collection ASTs, Wastewater Treatment Area, and Former Waste Disposal Area	44, 134, 140	ASB-190	0	2	0.5		0-2	Collected per work plan
			ASB-190	2	4	0.2			
			ASB-190	4	6	0.7			
			ASB-190	6	8	0.4			
			ASB-190	8	10	0.2		8-10	Collected per work plan
			ASB-190	10	12	0.3			
			ASB-190	12	14	0.1			
			ASB-190	14	15	0.4			
11	Waste Collection ASTs, Wastewater Treatment Area, and Former Waste Disposal Area	44, 134, 140	ASB-191	0	2	0.3		0-2	Collected per work plan
			ASB-191	2	4	0.1			
			ASB-191	4	6	1		4-6	Collected per work plan
			ASB-191	6	8	0.8			
			ASB-191	8	10	0.9			
			ASB-191	10	12	0.6			
			ASB-191	12	15	0.2			
11	Waste Collection ASTs, Wastewater Treatment Area, and Former Waste Disposal Area	44, 134, 140	ASB-192	0	2	0		0-2	Collected per work plan
			ASB-192	2	4	0			
			ASB-192	4	6	0.1		4-6	Collected per work plan
			ASB-192	6	8	0			
			ASB-192	8	10	0			
			ASB-192	10	12	0			
11	Former Coal Gasification Plant	153	ASB-193	0	2	0.1		1-2	Collected per work plan
11	Former Tar Decanter House	154	ASB-194	0	2	0.4			
			ASB-194	2	4	0			
			ASB-194	4	6	0			
			ASB-194	6	8	0			
			ASB-194	8	10	0.3			
			ASB-194	10	12	3.1		10-12	Collected per work plan
			ASB-194	12	13	0.1			
			ASB-194	13	15	0.1		13-15	Collected per work plan
11	Former Coal Gasification Plant	153	ASB-195	0	2	0			
			ASB-195	2	4	0.1			
			ASB-195	4	6	0			
			ASB-195	6	8	3.4		6-8	Collected per work plan
			ASB-195	8	10	0.5		8-10	Collected per work plan
11	Former Fuel Oil ASTs	42	ASB-196	0	1	---			
			ASB-196	1	4	0.1			
			ASB-196	4	6	0.1		4-6	Collected per work plan
			ASB-196	6	8	0.1			
			ASB-196	8	10	0.1			
			ASB-196	10	12	0.1			
			ASB-196	12	14	0.2			
			ASB-196	14	15	1			
11	Former Fuel Oil ASTs	42	ASB-197	0	1.5	---			
			ASB-197	1.5	4	0.1			
			ASB-197	4	6	0.1		4-6	Collected per work plan
			ASB-197	6	8	0.1			
			ASB-197	8	10	0.1			
			ASB-197	10	12	0.1			
			ASB-197	12	14	0.1			
			ASB-197	14	15	0.1			
11	Former Fuel Oil ASTs	42	ASB-198	0	0.5	---			
			ASB-198	0.5	4	0.1			
			ASB-198	4	6	0.5			
			ASB-198	6	8	0.9		6-8	Collected per work plan
			ASB-198	8	10	0.4			
			ASB-198	10	12	0.3			
			ASB-198	12	14	0.6			
			ASB-198	14	15	0.1			

Acronyms and Abbreviations:

ASB	ARCADIS Soil Boring.	ft	Feet below ground surface.
AMW	ARCADIS Monitoring Well.	ppm	Parts per million.
HA	Hand Auger.	---	Not available or bedrock reading.
NS	Not Sampled	PID	Photoionization Detector.

ARCADIS

Table 3. Monitoring Well Construction
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Well ID	Unique Well Number	Date Installed (2" Diameter)	Well Diameter (inches)	Surface Elevation[1] (ft msl)	Top Of Casing Elevation[1] (ft msl)	Bottom of Well Elevation (ft msl)	Screen Interval (Elev. - Elev.) (ft msl)	Surface Completion Type
1	AMW-17	784722	14-Sep-11	2	808.898	811.04	801.15	806.15 - 801.15	Above Ground
2	AMW-14	784726	14-Sep-11	2	809.57	809.57	797.57	802.57 - 797.57	Flush Mount
2	AMW-15	784725	14-Sep-11	2	809.91	809.84	796.79	801.79 - 796.79	Flush Mount
2	AMW-16	784721	14-Sep-11	2	812.157	811.94	801.28	806.28 - 801.28	Flush Mount
4	AMW-11	784720	13-Sep-11	2	808.99	808.86	799.47	804.47 - 799.47	Flush Mount
4	AMW-13	784723	14-Sep-11	2	809.93	809.89	797.92	802.92 - 797.92	Flush Mount
4	AMW-18	784719	15-Sep-11	2	812.83	812.7	798.22	803.22 - 798.22	Flush Mount
7	AMW-12	784724	13-Sep-11	2	808.83	808.74	797.3	802.30 - 797.30	Flush Mount

Acronyms and Abbreviations:
ft msl Feet above mean sea level
AMW ARCADIS Monitoring Well
Elev. Elevation
[1] Surface Elevation and Well Top of Casing Elevation surveyed by Sunde Land Surveying, LLC on November 2, 2011.

ARCADIS

Table 4. Groundwater Elevation Data, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Well ID	Date	Top of Casing Elevation (ft msl)	Depth to Water (ft bls)	Groundwater Elevation (ft msl)
1	AMW-01	31-Oct-11	813.03	26.31	786.72
1	AMW-08	31-Oct-11	830.80	37.63	793.17
1	AMW-17	7-Nov-11	811.04	5.85	805.19
2	AMW-14	7-Nov-11	809.57	6.72	802.85
2	AMW-15	7-Nov-11	809.84	6.70	803.14
2	AMW-16	7-Nov-11	811.94	5.60	806.34
4	AMW-11	7-Nov-11	808.86	5.79	803.07
4	AMW-13	7-Nov-11	809.89	6.80	803.09
4	AMW-18	7-Nov-11	812.7	10.24	802.46
5	AMW-09	31-Oct-11	858.13	79.71	778.42
6	AMW-03A	31-Oct-11	811.80	17.85	793.95
6	AMW-03B	31-Oct-11	811.72	99.67	712.05
6	AMW-04	31-Oct-11	829.92	36.74	793.18
6	MW-4	31-Oct-11	833.66	7.78	825.88
6	MW-5	31-Oct-11	827.76	2.90	824.86
6	MW-6	31-Oct-11	827.76	2.61	825.15
7	AMW-12	7-Nov-11	808.74	6.45	802.29
9	AMW-02	31-Oct-11	812.86	25.39	787.47
9	AMW-06	31-Oct-11	814.06	26.36	787.70
9	AMW-10	31-Oct-11	811.27	19.55	791.72
10	AMW-19	7-Nov-11	707.84	20.39	687.45
10	AMW-20	7-Nov-11	710.02	22.60	687.42
11	AMW-05	31-Oct-11	725.25	Dry	<725.25
11	AMW-05B	31-Oct-11	723.99	31.76	692.23
11	AMW-07	31-Oct-11	733.48	42.20	691.28

Acronyms and Abbreviations:

AMW	ARCADIS Monitoring Well	ft bls	Feet below land surface
MW	Monitoring Well	---	Not Applicable
ft msl	Feet above mean sea level	ft	Feet

ARCADIS

Table 5. Monitoring Well Field Parameters
Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area	Well ID	Date	Temperature (°C)	pH	Field Specific Conductivity (mS/cm)	Turbidity (NTU)
1	AMW-17	7-Nov-11	11.99	7.16	1.080	458
2	AMW-14	7-Nov-11	15.17	7.58	2.520	>800
2	AMW-15	7-Nov-11	11.89	7.05	1.270	337
2	AMW-16	7-Nov-11	15.12	7.59	0.338	>800
4	AMW-11	31-Oct-11	12.88	6.93	0.855	233
4	AMW-13	31-Oct-11	11.64	7.21	1.110	>800
4	AMW-18	31-Oct-11	12.13	6.89	0.597	>800
7	AMW-12	7-Nov-11	14.30	6.70	0.989	782

Acronyms and Abbreviations:

^{o}C	Degrees Celsius
mS/cm	milli-Siemens per centimeter
NTU	Nephelometric Turbidity Units
AMW	ARCADIS Monitoring Well

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	NPA	NPA	NPA	4
Feature Name					North Parking Area	North Parking Area	North Parking Area	North Parking Area	North Parking Area	North Parking Area	Former Area of Impacted Soil: Leak #10700
Location ID		Tier 1	Tier 2	TCLP	ASB-115	ASB-115	ASB-116	ASB-116	ASB-117	ASB-117	ASB-119
Sample ID		Residential	Industrial	Criteria	ASB-115_2-4(20110822)	ASB-115_4-6(20110822)	ASB-116_4-6(20110822)	ASB-116_6-8(20110822)	ASB-117_0-2(20110823)	ASB-117_2-4(20110823)	ASB-119_5-7(20110823)
Sample Date	Unit	SRV	SRV		8/22/2011	8/22/2011	8/22/2011	8/22/2011	8/23/2011	8/23/2011	8/23/2011
Depth Interval					2 - 4	4 - 6	4 - 6	6 - 8	0 - 2	2 - 4	5 - 7
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.024 J**	**0.009 J**	< 0.25	< 0.35	NA	NA	< 0.28
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.54	< 0.54	< 0.49	< 0.69	NA	NA	< 0.56
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.27	< 0.27	**0.012 J**	< 0.35	NA	NA	< 0.28
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	**0.01 J**	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
1,3-Dichloropropane	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.1	< 1.1	< 0.99	< 1.4	NA	NA	< 1.1
2-Chlorotoluene	mg/kg	436	436	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
2-Hexanone	mg/kg	NS	NS	NA	< 1.1	< 1.1	< 0.99	< 1.4	NA	NA	< 1.1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Acetone	mg/kg	340	1000	NA	< 1.1	< 1.1	< 0.99	< 1.4	NA	NA	< 1.1
Allyl chloride	mg/kg	NS	NS	NA	< 0.54	< 0.54	< 0.49	< 0.69	NA	NA	< 0.56
Benzene	mg/kg	6	10	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Bromobenzene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Bromochloromethane	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Bromodichloromethane	mg/kg	10	17	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Bromoform	mg/kg	370	650	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Bromomethane	mg/kg	0.7	2	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Butylbenzene	mg/kg	30	92	NA	< 0.27	< 0.27	**0.011 J**	< 0.35	NA	NA	< 0.28
Carbon disulfide	mg/kg	65	190	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	**0.054 J**
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.27	< 0.27	< 0.25	< 0.35***	NA	NA	< 0.28
Chlorobenzene	mg/kg	11	32	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Chlorodibromomethane	mg/kg	12	20	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Chloroethane	mg/kg	1000	3000	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Chloroform	mg/kg	2.5	4	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Chloromethane	mg/kg	8	23	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Cyclohexane	mg/kg	NS	NS	NA	< 0.54	**0.05 J**	**0.055 J**	< 0.69	NA	NA	< 0.56
Dibromomethane	mg/kg	260	1860	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.54	< 0.54	< 0.49	< 0.69	NA	NA	< 0.56
Diethyl ether	mg/kg	NS	NS	NA	< 0.54	< 0.54	< 0.49	< 0.69	NA	NA	< 0.56
Ethylbenzene	mg/kg	200	200	NA	**0.0071 J**	< 0.27	**0.012 J**	< 0.35	NA	NA	< 0.28
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.27	< 0.27	< 0.25	< 0.35***	NA	NA	< 0.28
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**NPA**	**NPA**	**NPA**	**NPA**	**NPA**	**NPA**	**4**
Feature Name					**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Area of Impacted Soil: Leak #10700**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-115**	**ASB-115**	**ASB-116**	**ASB-116**	**ASB-117**	**ASB-117**	**ASB-119**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-115_2-4(20110822)**	**ASB-115_4-6(20110822)**	**ASB-116_4-6(20110822)**	**ASB-116_6-8(20110822)**	**ASB-117_0-2(20110823)**	**ASB-117_2-4(20110823)**	**ASB-119_5-7(20110823)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/22/2011**	**8/22/2011**	**8/22/2011**	**8/22/2011**	**8/23/2011**	**8/23/2011**	**8/23/2011**
Depth Interval					**2 - 4**	**4 - 6**	**4 - 6**	**6 - 8**	**0 - 2**	**2 - 4**	**5 - 7**
Methyl acetate	mg/kg	NS	NS	NA	**0.069 J**	**0.095 J**	**0.094 J**	< 0.69	NA	NA	**0.11 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.1	< 1.1	< 0.99	< 1.4	NA	NA	< 1.1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.1	< 1.1	< 0.99	< 1.4	NA	NA	< 1.1
Methylcyclohexane	mg/kg	NS	NS	NA	**0.033 J**	**0.032 J**	**0.035 J**	< 0.69	NA	NA	< 0.56
Methylene chloride	mg/kg	97	158	NA	< 0.27	< 0.27	< 0.25	**0.12 J**	NA	NA	< 0.28
Naphthalene	mg/kg	10	28	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
n-Propylbenzene	mg/kg	30	93	NA	< 0.27	< 0.27	**0.024 J**	< 0.35	NA	NA	< 0.28
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
sec-Butylbenzene	mg/kg	25	70	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Styrene	mg/kg	210	600	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Tert-butylbenzene	mg/kg	30	90	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Tetrachloroethene	mg/kg	72	131	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.1	< 1.1	< 0.99	< 1.4	NA	NA	< 1.1
Toluene	mg/kg	107	305	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Trichloroethene	mg/kg	29	46	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.27	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
m-Xylene & p-Xylene*	mg/kg	45	130	NA	**0.06 J**	**0.022 J**	**0.01 J**	< 0.69	NA	NA	< 0.56
Xylene, -o*	mg/kg	45	130	NA	**0.014 J**	< 0.27	< 0.25	< 0.35	NA	NA	< 0.28
Total Xylenes*	mg/kg	45	130	NA	**0.074 J**	**0.022 J**	**0.01 J**	ND	NA	NA	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	< 1.9	< 0.41	**0.015 J**	< 0.39	**0.065 J**	< 0.4	NA
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	< 1.9	< 0.41	< 0.38	< 0.39	< 1.8	< 0.4	NA
Acenaphthylene	mg/kg	NS	NS	NA	< 1.9	< 0.41	< 0.38	< 0.39	**0.024 J**	< 0.4	NA
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	**0.023 J**	< 0.41	< 0.38	< 0.39	**0.03 J**	< 0.4	NA
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 1.9	< 0.41	< 0.38	< 0.39	< 1.8	< 0.4	NA
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.033 J**	< 0.41	< 0.38	< 0.39	**0.07 J**	< 0.4	NA
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 1.9	< 0.41	< 0.38	< 0.39	**0.063 J**	< 0.4	NA

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	NPA	NPA	NPA	4
Feature Name					North Parking Area	North Parking Area	North Parking Area	North Parking Area	North Parking Area	North Parking Area	Former Area of Impacted Soil: Leak #10700
Location ID		Tier 1	Tier 2	TCLP	ASB-115	ASB-115	ASB-116	ASB-116	ASB-117	ASB-117	ASB-119
Sample ID		Residential	Industrial	Criteria	ASB-115_2-4(20110822)	ASB-115_4-6(20110822)	ASB-116_4-6(20110822)	ASB-116_6-8(20110822)	ASB-117_0-2(20110823)	ASB-117_2-4(20110823)	ASB-119_5-7(20110823)
Sample Date	Unit	SRV	SRV		8/22/2011	8/22/2011	8/22/2011	8/22/2011	8/23/2011	8/23/2011	8/23/2011
Depth Interval					2 - 4	4 - 6	4 - 6	6 - 8	0 - 2	2 - 4	5 - 7
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.025 J**	< 0.41	< 0.38	< 0.39	**0.092 J**	< 0.4	NA
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 1.9	< 0.41	< 0.38	< 0.39	**0.05 J**	< 0.4	NA
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	**0.059 J**	**0.014 J**	< 0.38	< 0.39	**0.098 J**	< 0.4	NA
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 1.9	< 0.41	< 0.38	< 0.39	< 1.8	< 0.4 J	NA
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	**0.093 J**	**0.031 J**	< 0.38	< 0.39	**0.15 J**	**0.0089 J**	NA
Fluorene	mg/kg	850	4120	NA	< 1.9	< 0.41	< 0.38	< 0.39	< 1.8	< 0.4	NA
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 1.9	< 0.41	< 0.38	< 0.39	< 1.8	< 0.4	NA
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	< 1.9	< 0.41	< 0.38	< 0.39	**0.025 J**	< 0.4	NA
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	**0.087 J**	**0.029 J**	< 0.38	< 0.39	**0.083 J**	< 0.4	NA
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	**0.066 J**	**0.023 J**	< 0.38	< 0.39	**0.11 J**	**0.0069 J**	NA
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.00639**	**0.00014**	**0**	**0**	**0.08518**	**0**	NA

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**	
Feature Number					**NPA**	**NPA**	**NPA**	**NPA**	**NPA**	**NPA**	**4**	
Feature Name					**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Area of Impacted Soil: Leak #10700**	
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-115**	**ASB-115**	**ASB-116**	**ASB-116**	**ASB-117**	**ASB-117**	**ASB-119**	
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-115_2-4(20110822)**	**ASB-115_4-6(20110822)**	**ASB-116_4-6(20110822)**	**ASB-116_6-8(20110822)**	**ASB-117_0-2(20110823)**	**ASB-117_2-4(20110823)**	**ASB-119_5-7(20110823)**	
Sample Date	**Unit**	**SRV**	**SRV**		**8/22/2011**	**8/22/2011**	**8/22/2011**	**8/22/2011**	**8/23/2011**	**8/23/2011**	**8/23/2011**	
Depth Interval					**2 - 4**	**4 - 6**	**4 - 6**	**6 - 8**	**0 - 2**	**2 - 4**	**5 - 7**	
Metals												
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA	
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	mg/kg	9	20	NA	**5.7**	**3.5**	**4.4**	**3.5**	**4.1**	**2.5**	NA	
Barium	mg/kg	1100	18000	NA	**51**	**54**	**61**	**25**	**35**	**64**	NA	
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	mg/kg	25	200	NA	< 0.22	< 0.24	**0.097 J**	< 0.23	**0.1 J**	**0.079 J**	NA	
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium**	mg/kg	87/44000	650/100000	NA	**16**	**18**	**14**	**17**	**15**	**13**	NA	
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	mg/kg	300	700	NA	**5.5**	**5.5**	**4.2**	**5.6**	**7.1**	**6.6**	**7.5**	
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	mg/kg	0.5	1.5	NA	**0.023 J**	**0.022 J**	**0.014 J**	**0.024 J**	**0.03 J**	**0.022 J**	NA	
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA	
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	mg/kg	160	1300	NA	**0.55 J**	**0.69**	< 0.56	< 0.57	**0.74**	**0.84**	NA	
Silver	mg/kg	160	1300	NA	< 0.56	**0.27 J**	< 0.56	< 0.57	< 0.52	< 0.55	NA	
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA	
Metals-TCLP												
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	
PCBs												
Aroclor 1016	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Aroclor 1221	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Aroclor 1232	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Aroclor 1242	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Aroclor 1248	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Aroclor 1254	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Aroclor 1260	mg/kg	1.2	8	NA	< 0.039	< 0.041	< 0.038	< 0.039	< 0.037	< 0.04	NA	
Other												
Gasoline Range Organics	mg/kg	NS	NS	NA	**2.8 J**	**12**	**7.1 J**	NA	NA	NA	< 13	
Diesel Range Organics	mg/kg	NS	NS	NA	< 11	< 11	< 8.8	< 9.9	< 9.5	< 10	< 11	

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					4	4	4	NPA	NPA	NPA	NPA
Feature Name					Former Area of Impacted Soil: Leak #10700	Former Area of Impacted Soil: Leak #10700	Former Area of Impacted Soil: Leak #10700	North Parking Area	North Parking Area	North Parking Area	North Parking Area
Location ID		Tier 1	Tier 2	TCLP	ASB-119	ASB-120	ASB-120	ASB-123	ASB-123	ASB-124	ASB-124
Sample ID		Residential	Industrial	Criteria	ASB-119_8-10(20110823)	ASB-120_4-6(20110824)	ASB-120_6-8(20110824)	ASB-123_2-4(20110824)	ASB-123_6-8(20110824)	ASB-124_2-4(20110824)	ASB-124_6-8(20110824)
Sample Date	Unit	SRV	SRV		8/23/2011	8/24/2011	8/24/2011	8/24/2011	8/24/2011	8/24/2011	8/24/2011
Depth Interval					8 - 10	4 - 6	6 - 8	2 - 4	6 - 8	2 - 4	6 - 8
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.31	< 0.32	< 0.3	**0.12 J**	**31**	< 0.33	< 0.29
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.62	< 0.65	< 0.6	< 0.6	< 2.7	< 0.66	< 0.58
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.31	**0.033 J**	**0.099 J**	< 0.3	< 1.3	< 0.33	< 0.29
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.31	< 0.32	< 0.3	**0.11 J**	**9.5**	< 0.33	< 0.29
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.2	< 1.3	< 1.2	< 1.2	< 5.4	< 1.3	< 1.2
2-Chlorotoluene	mg/kg	436	436	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
2-Hexanone	mg/kg	NS	NS	NA	< 1.2	< 1.3	< 1.2	< 1.2	< 5.4	< 1.3	< 1.2
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Acetone	mg/kg	340	1000	NA	< 1.2	< 1.3	< 1.2	< 1.2	< 5.4	< 1.3	< 1.2
Allyl chloride	mg/kg	NS	NS	NA	< 0.62	< 0.65	< 0.6	< 0.6	< 2.7	< 0.66	< 0.58
Benzene	mg/kg	6	10	NA	< 0.31	< 0.32	< 0.3	< 0.3	**8.4**	< 0.33	< 0.29
Bromobenzene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Bromochloromethane	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Bromodichloromethane	mg/kg	10	17	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Bromoform	mg/kg	370	650	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Bromomethane	mg/kg	0.7	2	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3***	< 0.33	< 0.29
Butylbenzene	mg/kg	30	92	NA	< 0.31	< 0.32	< 0.3	**0.013 J**	**2.7**	< 0.33	< 0.29
Carbon disulfide	mg/kg	65	190	NA	< 0.31	**0.067 J**	**0.055 J**	< 0.3	< 1.3	**0.083 J**	< 0.29
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.31***	< 0.32***	< 0.3	< 0.3	< 1.3***	< 0.33***	< 0.29
Chlorobenzene	mg/kg	11	32	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Chlorodibromomethane	mg/kg	12	20	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Chloroethane	mg/kg	1000	3000	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Chloroform	mg/kg	2.5	4	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Chloromethane	mg/kg	8	23	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Cyclohexane	mg/kg	NS	NS	NA	< 0.62	< 0.65	< 0.6	**0.67**	**11**	< 0.66	< 0.58
Dibromomethane	mg/kg	260	1860	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.62	< 0.65	< 0.6	< 0.6	< 2.7	< 0.66	< 0.58
Diethyl ether	mg/kg	NS	NS	NA	< 0.62	< 0.65	< 0.6	< 0.6	< 2.7	< 0.66	< 0.58
Ethylbenzene	mg/kg	200	200	NA	< 0.31	< 0.32	< 0.3	**0.15 J**	**15**	< 0.33	< 0.29
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.31***	< 0.32***	< 0.3	< 0.3	< 1.3***	< 0.33***	< 0.29
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.31	< 0.32	< 0.3	**0.042 J**	**1.2 J**	< 0.33	< 0.29

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**4**	**4**	**4**	**NPA**	**NPA**	**NPA**	**NPA**
Feature Name					**Former Area of Impacted Soil: Leak #10700**	**Former Area of Impacted Soil: Leak #10700**	**Former Area of Impacted Soil: Leak #10700**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-119**	**ASB-120**	**ASB-120**	**ASB-123**	**ASB-123**	**ASB-124**	**ASB-124**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-119_8-10(20110823)**	**ASB-120_4-6(20110824)**	**ASB-120_6-8(20110824)**	**ASB-123_2-4(20110824)**	**ASB-123_6-8(20110824)**	**ASB-124_2-4(20110824)**	**ASB-124_6-8(20110824)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/23/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**
Depth Interval					**8 - 10**	**4 - 6**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**6 - 8**
Methyl acetate	mg/kg	NS	NS	NA	**0.041 J**	**0.29 J**	**0.081 J**	**0.14 J**	< 2.7	**0.51 J**	< 0.58
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.2	< 1.3	< 1.2	< 1.2	< 5.4	< 1.3	< 1.2
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.2	< 1.3	< 1.2	< 1.2	< 5.4	< 1.3	< 1.2
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.62	< 0.65	< 0.6	**0.52 J**	**6.4**	< 0.66	< 0.58
Methylene chloride	mg/kg	97	158	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Naphthalene	mg/kg	10	28	NA	< 0.31	< 0.32	< 0.3	< 0.3	**3.6**	< 0.33	< 0.29
n-Propylbenzene	mg/kg	30	93	NA	< 0.31	< 0.32	< 0.3	**0.17 J**	**6.4**	< 0.33	< 0.29
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	**0.24 J**	< 0.33	< 0.29
sec-Butylbenzene	mg/kg	25	70	NA	< 0.31	< 0.32	< 0.3	< 0.3	**0.58 J**	< 0.33	< 0.29
Styrene	mg/kg	210	600	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Tert-butylbenzene	mg/kg	30	90	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Tetrachloroethene	mg/kg	72	131	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.2	< 1.3	< 1.2	< 1.2	< 5.4	< 1.3	< 1.2
Toluene	mg/kg	107	305	NA	< 0.31	< 0.32	< 0.3	**0.041 J**	**24**	< 0.33	< 0.29
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Trichloroethene	mg/kg	29	46	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3	< 0.33	< 0.29
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.31	< 0.32	< 0.3	< 0.3	< 1.3***	< 0.33	< 0.29
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.62	< 0.65	< 0.6	**0.15 J**	**47**	< 0.66	< 0.58
Xylene, -o*	mg/kg	45	130	NA	< 0.31	< 0.32	< 0.3	**0.073 J**	**16**	< 0.33	< 0.29
Total Xylenes*	mg/kg	45	130	NA	ND	ND	ND	**0.223 J**	**63**	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	NA	NA	NA	**0.0054 J**	**1.4**	**0.022 J**	< 0.44
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	NA	NA	NA	**0.015 J**	< 0.92	< 0.42	< 0.44
Acenaphthylene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.0045 J**	< 0.44
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	NA	NA	NA	< 0.42	< 0.92	**0.022 J**	< 0.44
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.016 J**	< 0.44
Benzo(a)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.018 J**	< 0.44
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	NA	NA	NA	**0.0053 J**	< 0.92	**0.015 J**	< 0.44

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**4**	**4**	**4**	**NPA**	**NPA**	**NPA**	**NPA**
Feature Name					**Former Area of Impacted Soil: Leak #10700**	**Former Area of Impacted Soil: Leak #10700**	**Former Area of Impacted Soil: Leak #10700**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-119**	**ASB-120**	**ASB-120**	**ASB-123**	**ASB-123**	**ASB-124**	**ASB-124**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-119_8-10(20110823)**	**ASB-120_4-6(20110824)**	**ASB-120_6-8(20110824)**	**ASB-123_2-4(20110824)**	**ASB-123_6-8(20110824)**	**ASB-124_2-4(20110824)**	**ASB-124_6-8(20110824)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/23/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**
Depth Interval					**8 - 10**	**4 - 6**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**6 - 8**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.027 J**	< 0.44
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.015 J**	< 0.44
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.027 J**	< 0.44
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	< 0.42	< 0.44
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	NA	NA	NA	**0.016 J**	**0.031 J**	**0.055 J**	< 0.44
Fluorene	mg/kg	850	4120	NA	NA	NA	NA	**0.0086 J**	**0.018 J**	**0.0059 J**	< 0.44
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.42	< 0.92	**0.014 J**	< 0.44
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	**0.0088 J**	**0.98**	**0.016 J**	< 0.44
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	NA	NA	NA	**0.013 J**	**0.041 J**	**0.043 J**	< 0.44
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	NA	NA	NA	**0.011 J**	**0.032 J**	**0.044 J**	< 0.44
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	NA	NA	NA	**0.0053**	**0**	**0.02267**	**0**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**4**	**4**	**4**	**NPA**	**NPA**	**NPA**	**NPA**
Feature Name					**Former Area of Impacted Soil: Leak #10700**	**Former Area of Impacted Soil: Leak #10700**	**Former Area of Impacted Soil: Leak #10700**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-119**	**ASB-120**	**ASB-120**	**ASB-123**	**ASB-123**	**ASB-124**	**ASB-124**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-119_8-10(20110823)**	**ASB-120_4-6(20110824)**	**ASB-120_6-8(20110824)**	**ASB-123_2-4(20110824)**	**ASB-123_6-8(20110824)**	**ASB-124_2-4(20110824)**	**ASB-124_6-8(20110824)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/23/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**
Depth Interval					**8 - 10**	**4 - 6**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**6 - 8**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	NA	NA	NA	**4**	**3.4**	**4.9**	**1.3**
Barium	mg/kg	1100	18000	NA	NA	NA	NA	**99**	**88**	**130**	**45**
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	NA	NA	NA	**0.068 J**	**0.3**	**0.26**	< 0.25
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	NA	NA	NA	**15**	**11**	**17**	**16**
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**3.9**	**11**	**5.8**	**7.6**	**12**	**24**	**2.5**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	NA	NA	NA	**0.022 J**	**0.036 J**	**0.095**	**0.018 J**
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	NA	NA	NA	**0.66**	**0.55 J**	**0.94**	< 0.64
Silver	mg/kg	160	1300	NA	NA	NA	NA	< 0.53	< 0.56	< 0.63	< 0.64
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	< 0.042	< 0.045	NA	< 0.044
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	< 13	< 13	< 12	**39**	**390**	< 13	< 13
Diesel Range Organics	mg/kg	NS	NS	NA	< 11	< 12	< 10	< 12	**46**	**29**	< 12

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	NPA	1	NPA	NPA
Feature Name					North Parking Area	North Parking Area	North Parking Area	North Parking Area	Former Test Track	North Parking Area	North Parking Area
Location ID		Tier 1	Tier 2	TCLP	ASB-125	ASB-125	ASB-126	ASB-126	ASB-127	ASB-128	ASB-128
Sample ID		Residential	Industrial	Criteria	ASB-125_3-5(20110825)	ASB-125_6-8(20110825)	ASB-126_2-4(20110825)	ASB-126_6-8(20110825)	ASB-127_0-2(20110825)	ASB-128_0-2(20110825)	ASB-128_6-8(20110825)
Sample Date	Unit	SRV	SRV		8/25/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011
Depth Interval					3 - 5	6 - 8	2 - 4	6 - 8	0 - 2	0 - 2	6 - 8
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1,1-Trichloroethane	mg/kg	140	472	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1,2-Trichloroethane	mg/kg	9	14	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1-Dichloroethane	mg/kg	34	55	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1-Dichloroethene	mg/kg	20	60	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.58	NA	NA
1,2-Dichlorobenzene	mg/kg	26	75	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2-Dichloroethane	mg/kg	4	6	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,2-Dichloropropane	mg/kg	4	6	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,3-Dichlorobenzene	mg/kg	26	200	NA	NA	NA	NA	NA	< 0.29	NA	NA
1,4-Dichlorobenzene	mg/kg	30	50	NA	NA	NA	NA	NA	< 0.29	NA	NA
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	NA	NA	< 1.2	NA	NA
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	NA	NA	< 0.29	NA	NA
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
Acetone	mg/kg	340	1000	NA	NA	NA	NA	NA	< 1.2	NA	NA
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.58	NA	NA
Benzene	mg/kg	6	10	NA	NA	NA	NA	NA	< 0.29	NA	NA
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
Bromodichloromethane	mg/kg	10	17	NA	NA	NA	NA	NA	< 0.29	NA	NA
Bromoform	mg/kg	370	650	NA	NA	NA	NA	NA	< 0.29	NA	NA
Bromomethane	mg/kg	0.7	2	NA	NA	NA	NA	NA	< 0.29	NA	NA
Butylbenzene	mg/kg	30	92	NA	NA	NA	NA	NA	< 0.29	NA	NA
Carbon disulfide	mg/kg	65	190	NA	NA	NA	NA	NA	**0.056 J**	NA	NA
Carbon tetrachloride	mg/kg	0.3	0.9	NA	NA	NA	NA	NA	< 0.29	NA	NA
Chlorobenzene	mg/kg	11	32	NA	NA	NA	NA	NA	< 0.29	NA	NA
Chlorodibromomethane	mg/kg	12	20	NA	NA	NA	NA	NA	< 0.29	NA	NA
Chloroethane	mg/kg	1000	3000	NA	NA	NA	NA	NA	< 0.29	NA	NA
Chloroform	mg/kg	2.5	4	NA	NA	NA	NA	NA	< 0.29	NA	NA
Chloromethane	mg/kg	8	23	NA	NA	NA	NA	NA	< 0.29	NA	NA
cis-1,2-Dichloroethene	mg/kg	8	22	NA	NA	NA	NA	NA	< 0.29	NA	NA
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.58	NA	NA
Dibromomethane	mg/kg	260	1860	NA	NA	NA	NA	NA	< 0.29	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	NA	NA	NA	NA	< 0.29	NA	NA
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.58	NA	NA
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.58	NA	NA
Ethylbenzene	mg/kg	200	200	NA	NA	NA	NA	NA	< 0.29	NA	NA
Ethylene dibromide	mg/kg	0.3	0.5	NA	NA	NA	NA	NA	< 0.29	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	< 0.29	NA	NA
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	NA	NA	NA	NA	< 0.29	NA	NA

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**NPA**	**NPA**	**NPA**	**NPA**	**1**	**NPA**	**NPA**
Feature Name					**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Test Track**	**North Parking Area**	**North Parking Area**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-125**	**ASB-125**	**ASB-126**	**ASB-126**	**ASB-127**	**ASB-128**	**ASB-128**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-125_3-5(20110825)**	**ASB-125_6-8(20110825)**	**ASB-126_2-4(20110825)**	**ASB-126_6-8(20110825)**	**ASB-127_0-2(20110825)**	**ASB-128_0-2(20110825)**	**ASB-128_6-8(20110825)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**
Depth Interval					**3 - 5**	**6 - 8**	**2 - 4**	**6 - 8**	**0 - 2**	**0 - 2**	**6 - 8**
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.28 J**	NA	NA
Methyl isobutyl ketone	mg/kg	1700	9000	NA	NA	NA	NA	NA	< 1.2	NA	NA
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.58	NA	NA
Methylene chloride	mg/kg	97	158	NA	NA	NA	NA	NA	< 0.29	NA	NA
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	NA	< 0.29	NA	NA
n-Propylbenzene	mg/kg	30	93	NA	NA	NA	NA	NA	< 0.29	NA	NA
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
sec-Butylbenzene	mg/kg	25	70	NA	NA	NA	NA	NA	< 0.29	NA	NA
Styrene	mg/kg	210	600	NA	NA	NA	NA	NA	< 0.29	NA	NA
Tert-butylbenzene	mg/kg	30	90	NA	NA	NA	NA	NA	< 0.29	NA	NA
Tetrachloroethene	mg/kg	72	131	NA	NA	NA	NA	NA	< 0.29	NA	NA
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA
Toluene	mg/kg	107	305	NA	NA	NA	NA	NA	< 0.29	NA	NA
trans-1,2-Dichloroethene	mg/kg	11	33	NA	NA	NA	NA	NA	< 0.29	NA	NA
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA
Trichloroethene	mg/kg	29	46	NA	NA	NA	NA	NA	< 0.29	NA	NA
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	NA	NA	NA	NA	< 0.29	NA	NA
Vinyl chloride	mg/kg	0.8	2.2	NA	NA	NA	NA	NA	< 0.29	NA	NA
m-Xylene & p-Xylene*	mg/kg	45	130	NA	NA	NA	NA	NA	< 0.58	NA	NA
Xylene, -o*	mg/kg	45	130	NA	NA	NA	NA	NA	< 0.29	NA	NA
Total Xylenes*	mg/kg	45	130	NA	NA	NA	NA	NA	ND	NA	NA
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	< 0.43	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	< 0.43	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	< 0.43	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	< 0.43	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.1	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	< 0.43	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	< 0.43	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	< 0.43	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.1	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	< 2.1	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.1	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.1	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.1	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 2.1	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
Acenaphthylene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.014 J**	NA	NA
Anthracene	mg/kg	7880	45400	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.056 J**	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.0084 J**	< 0.4	< 0.41
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.0082 J**	< 0.4	< 0.41
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.0062 J**	< 0.4	< 0.41

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**NPA**	**NPA**	**NPA**	**NPA**	**1**	**NPA**	**NPA**
Feature Name					**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Test Track**	**North Parking Area**	**North Parking Area**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-125**	**ASB-125**	**ASB-126**	**ASB-126**	**ASB-127**	**ASB-128**	**ASB-128**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-125_3-5(20110825)**	**ASB-125_6-8(20110825)**	**ASB-126_2-4(20110825)**	**ASB-126_6-8(20110825)**	**ASB-127_0-2(20110825)**	**ASB-128_0-2(20110825)**	**ASB-128_6-8(20110825)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**	**8/25/2011**
Depth Interval					**3 - 5**	**6 - 8**	**2 - 4**	**6 - 8**	**0 - 2**	**0 - 2**	**6 - 8**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.012 J**	< 0.4	< 0.41
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.0063 J**	< 0.4	< 0.41
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	< 0.43	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	< 0.43	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	< 0.43	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	< 0.43	NA	NA
Chrysene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.013 J**	< 0.4	< 0.41
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	< 0.43	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	< 0.43	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	< 0.43	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.022 J**	< 0.4	< 0.41
Fluorene	mg/kg	850	4120	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	< 0.43	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	< 0.43	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	< 2.1***	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	< 0.43	< 0.4	< 0.41
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.52	NA	NA
Naphthalene	mg/kg	10	28	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.011 J**	< 0.4	< 0.41
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	< 0.43	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	< 0.43	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	< 0.43	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.012 J**	**0.0087 J**	< 0.41
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	< 0.43	NA	NA
Pyrene	mg/kg	890	5800	NA	< 0.4	< 0.42	< 0.42	< 0.42	**0.016 J**	< 0.4	< 0.41
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0**	**0**	**0**	**0**	**0.00898**	**0**	**0**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	NPA	1	NPA	NPA
Feature Name					North Parking Area	North Parking Area	North Parking Area	North Parking Area	Former Test Track	North Parking Area	North Parking Area
Location ID		Tier 1	Tier 2	TCLP	ASB-125	ASB-125	ASB-126	ASB-126	ASB-127	ASB-128	ASB-128
Sample ID		Residential	Industrial	Criteria	ASB-125_3-5(20110825)	ASB-125_6-8(20110825)	ASB-126_2-4(20110825)	ASB-126_6-8(20110825)	ASB-127_0-2(20110825)	ASB-128_0-2(20110825)	ASB-128_6-8(20110825)
Sample Date	Unit	SRV	SRV		8/25/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011
Depth Interval					3 - 5	6 - 8	2 - 4	6 - 8	0 - 2	0 - 2	6 - 8
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	**4.7**	**4.8**	**5.8**	**4.7**	**5.4**	**17 J**	**4.3**
Barium	mg/kg	1100	18000	NA	**23**	**18 J**	**110**	**17 J**	**98**	**83 J**	**100**
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	< 0.22	< 0.24	< 0.23	< 0.22	**0.11 J**	< 0.23	**0.049 J**
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**11**	**14**	**19**	**15**	**15**	**8.5**	**14**
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**6.9**	**2.7**	**4**	**2.6**	**9.7**	**10 J**	**9.3**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	< 0.12	**0.016 J**	**0.025 J**	**0.019 J**	**0.024 J**	**0.019 J**	**0.042 J**
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.54	< 0.6	< 0.58	< 0.56	< 0.6	< 0.57	< 0.59
Silver	mg/kg	160	1300	NA	< 0.54	< 0.6	< 0.58	< 0.56	< 0.6	< 0.57	< 0.59
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.043	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	< 11	< 10	< 11	< 11	< 10	< 10	< 10

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	1	NPA	NPA	3
Feature Name					North Parking Area	North Parking Area	North Parking Area	Former Test Track	North Parking Area	North Parking Area	Former Convoy UST
Location ID		Tier 1	Tier 2	TCLP	ASB-129	ASB-131	ASB-132	ASB-133	ASB-134	ASB-137	ASB-138
Sample ID		Residential	Industrial	Criteria	ASB-129_2-4(20110826)	ASB-131_2-4(20110826)	ASB-132_2-4(20110826)	ASB-133_2-4(20110901)	ASB-134_2-4(20110826)	ASB-137_2-4(20110829)	ASB-138_2-4(20110829)
Sample Date	Unit	SRV	SRV		8/26/2011	8/26/2011	8/26/2011	9/1/2011	8/26/2011	8/29/2011	8/29/2011
Depth Interval					2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1,1-Trichloroethane	mg/kg	140	472	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1,2-Trichloroethane	mg/kg	9	14	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1-Dichloroethane	mg/kg	34	55	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1-Dichloroethene	mg/kg	20	60	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
1,2-Dichlorobenzene	mg/kg	26	75	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2-Dichloroethane	mg/kg	4	6	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,2-Dichloropropane	mg/kg	4	6	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,3-Dichlorobenzene	mg/kg	26	200	NA	NA	NA	NA	NA	NA	NA	< 0.26
1,4-Dichlorobenzene	mg/kg	30	50	NA	NA	NA	NA	NA	NA	NA	< 0.26
1.3-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	NA	NA	NA	NA	< 1
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	NA	NA	NA	NA	< 0.26
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 1
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
Acetone	mg/kg	340	1000	NA	NA	NA	NA	NA	NA	NA	< 1
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
Benzene	mg/kg	6	10	NA	NA	NA	NA	NA	NA	NA	< 0.26
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
Bromodichloromethane	mg/kg	10	17	NA	NA	NA	NA	NA	NA	NA	< 0.26
Bromoform	mg/kg	370	650	NA	NA	NA	NA	NA	NA	NA	< 0.26
Bromomethane	mg/kg	0.7	2	NA	NA	NA	NA	NA	NA	NA	< 0.26
Butylbenzene	mg/kg	30	92	NA	NA	NA	NA	NA	NA	NA	< 0.26
Carbon disulfide	mg/kg	65	190	NA	NA	NA	NA	NA	NA	NA	< 0.26
Carbon tetrachloride	mg/kg	0.3	0.9	NA	NA	NA	NA	NA	NA	NA	< 0.26
Chlorobenzene	mg/kg	11	32	NA	NA	NA	NA	NA	NA	NA	< 0.26
Chlorodibromomethane	mg/kg	12	20	NA	NA	NA	NA	NA	NA	NA	< 0.26
Chloroethane	mg/kg	1000	3000	NA	NA	NA	NA	NA	NA	NA	< 0.26
Chloroform	mg/kg	2.5	4	NA	NA	NA	NA	NA	NA	NA	< 0.26
Chloromethane	mg/kg	8	23	NA	NA	NA	NA	NA	NA	NA	< 0.26
cis-1,2-Dichloroethene	mg/kg	8	22	NA	NA	NA	NA	NA	NA	NA	< 0.26
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
Dibromomethane	mg/kg	260	1860	NA	NA	NA	NA	NA	NA	NA	< 0.26
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	NA	NA	NA	NA	NA	NA	< 0.26
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
Ethylbenzene	mg/kg	200	200	NA	NA	NA	NA	NA	NA	NA	< 0.26
Ethylene dibromide	mg/kg	0.3	0.5	NA	NA	NA	NA	NA	NA	NA	< 0.26
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	< 0.26
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	NA	NA	NA	NA	NA	NA	< 0.26

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	1	NPA	NPA	3
Feature Name					North Parking Area	North Parking Area	North Parking Area	Former Test Track	North Parking Area	North Parking Area	Former Convoy UST
Location ID		Tier 1	Tier 2	TCLP	ASB-129	ASB-131	ASB-132	ASB-133	ASB-134	ASB-137	ASB-138
Sample ID		Residential	Industrial	Criteria	ASB-129_2-4(20110826)	ASB-131_2-4(20110826)	ASB-132_2-4(20110826)	ASB-133_2-4(20110901)	ASB-134_2-4(20110826)	ASB-137_2-4(20110829)	ASB-138_2-4(20110829)
Sample Date	Unit	SRV	SRV		8/26/2011	8/26/2011	8/26/2011	9/1/2011	8/26/2011	8/29/2011	8/29/2011
Depth Interval					2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
Methyl isobutyl ketone	mg/kg	1700	9000	NA	NA	NA	NA	NA	NA	NA	< 1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 1
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.51
Methylene chloride	mg/kg	97	158	NA	NA	NA	NA	NA	NA	NA	< 0.26
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	NA	NA	NA	< 0.26
n-Propylbenzene	mg/kg	30	93	NA	NA	NA	NA	NA	NA	NA	< 0.26
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
sec-Butylbenzene	mg/kg	25	70	NA	NA	NA	NA	NA	NA	NA	< 0.26
Styrene	mg/kg	210	600	NA	NA	NA	NA	NA	NA	NA	< 0.26
Tert-butylbenzene	mg/kg	30	90	NA	NA	NA	NA	NA	NA	NA	< 0.26
Tetrachloroethene	mg/kg	72	131	NA	NA	NA	NA	NA	NA	NA	< 0.26
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 1
Toluene	mg/kg	107	305	NA	NA	NA	NA	NA	NA	NA	< 0.26
trans-1,2-Dichloroethene	mg/kg	11	33	NA	NA	NA	NA	NA	NA	NA	< 0.26
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26
Trichloroethene	mg/kg	29	46	NA	NA	NA	NA	NA	NA	NA	< 0.26
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	NA	NA	NA	NA	NA	NA	< 0.26
Vinyl chloride	mg/kg	0.8	2.2	NA	NA	NA	NA	NA	NA	NA	< 0.26
m-Xylene & p-Xylene*	mg/kg	45	130	NA	NA	NA	NA	NA	NA	NA	< 0.51
Xylene, -o*	mg/kg	45	130	NA	NA	NA	NA	NA	NA	NA	< 0.26
Total Xylenes*	mg/kg	45	130	NA	NA	NA	NA	NA	NA	NA	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	< 0.36	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	< 0.36	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	< 0.36	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	< 0.36	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8 J	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	< 0.36	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	< 0.36	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	**0.034 J**	NA
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	< 0.36	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	< 1.8	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8 J	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	< 1.8	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	< 0.42	NA
Acenaphthylene	mg/kg	NS	NS	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	**0.012 J**	NA
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	**0.017 J**	NA
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.41	< 0.38	**0.013 J**	< 0.36	**0.14 J**	**0.034 J**	NA
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.41	< 0.38	**0.012 J**	< 0.36	**0.14 J**	**0.041 J**	NA
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.41	< 0.38	**0.012 J**	< 0.36	**0.14 J**	**0.044 J**	NA

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					NPA	NPA	NPA	1	NPA	NPA	3
Feature Name					North Parking Area	North Parking Area	North Parking Area	Former Test Track	North Parking Area	North Parking Area	Former Convoy UST
Location ID		Tier 1	Tier 2	TCLP	ASB-129	ASB-131	ASB-132	ASB-133	ASB-134	ASB-137	ASB-138
Sample ID		Residential	Industrial	Criteria	ASB-129_2-4(20110826)	ASB-131_2-4(20110826)	ASB-132_2-4(20110826)	ASB-133_2-4(20110901)	ASB-134_2-4(20110826)	ASB-137_2-4(20110829)	ASB-138_2-4(20110829)
Sample Date	Unit	SRV	SRV		8/26/2011	8/26/2011	8/26/2011	9/1/2011	8/26/2011	8/29/2011	8/29/2011
Depth Interval					2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.41	< 0.38	**0.017 J**	< 0.36	**0.19 J**	**0.073 J**	NA
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.41	< 0.38	**0.009 J**	< 0.36	**0.053 J**	**0.025 J**	NA
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	< 0.36	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	< 0.36	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	< 0.36	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	< 0.36	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	< 0.41	< 0.38	**0.016 J**	< 0.36	**0.19 J**	**0.055 J**	NA
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	**0.0077 J**	NA
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	< 0.36	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	< 0.36	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	< 0.36	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	< 0.41	< 0.38	**0.024 J**	< 0.36	**0.28 J**	**0.08 J**	NA
Fluorene	mg/kg	850	4120	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	**0.006 J**	NA
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	< 0.36	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	< 0.36	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	< 1.8	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.41	< 0.38	< 0.37	< 0.36	**0.071 J**	**0.032 J**	NA
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	< 0.44	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	< 0.41	< 0.38	< 0.37	< 0.36	< 2	**0.02 J**	NA
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	< 0.36	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	< 0.36	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	< 0.36	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	< 0.36	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	< 0.41	< 0.38	**0.011 J**	< 0.36	**0.11 J**	**0.072 J**	NA
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	< 0.36	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	< 0.41	< 0.38	**0.025 J**	< 0.36	**0.26 J**	**0.061 J**	NA
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0**	**0**	**0.01596**	**0**	**0.1873**	**0.065962**	NA

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**NPA**	**NPA**	**NPA**	**1**	**NPA**	**NPA**	**3**
Feature Name					**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Test Track**	**North Parking Area**	**North Parking Area**	**Former Convoy UST**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-129**	**ASB-131**	**ASB-132**	**ASB-133**	**ASB-134**	**ASB-137**	**ASB-138**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-129_2-4(20110826)**	**ASB-131_2-4(20110826)**	**ASB-132_2-4(20110826)**	**ASB-133_2-4(20110901)**	**ASB-134_2-4(20110826)**	**ASB-137_2-4(20110829)**	**ASB-138_2-4(20110829)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/26/2011**	**8/26/2011**	**8/26/2011**	**9/1/2011**	**8/26/2011**	**8/29/2011**	**8/29/2011**
Depth Interval					**2 - 4**	**2 - 4**	**2 - 4**	**2 - 4**	**2 - 4**	**2 - 4**	**2 - 4**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	**5.3**	**5.1**	**3.4**	**1.1**	**4.3**	**7.2**	NA
Barium	mg/kg	1100	18000	NA	**110**	**39**	**47**	**14 J**	**88**	**70**	NA
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	**0.11 J**	< 0.21	< 0.2	< 0.18	**0.12 J**	**0.18 J**	NA
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**18**	**8.7**	**10**	**4.1**	**14**	**12**	NA
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**9.4**	**3.9**	**4.6**	**1.2**	**7.8**	**14**	**2.1**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	**0.029 J**	**0.025 J**	**0.024 J**	**0.023 J**	**0.019 J**	**0.061 J**	NA
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.62	< 0.53	< 0.5	**0.49**	< 0.56	< 0.62	NA
Silver	mg/kg	160	1300	NA	< 0.62	< 0.53	< 0.5	< 0.44	< 0.56	< 0.62	NA
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	< 0.036	NA	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	< 13
Diesel Range Organics	mg/kg	NS	NS	NA	< 10	< 10	< 12	< 9.3	**180 J**	**12**	< 11

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**3**	**3**	**NPA**	**NPA**	**NPA**	**NPA**	**152**
Feature Name					**Former Convoy UST**	**Former Convoy UST**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Fuel Oil UST**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-139**	**ASB-140**	**ASB-141**	**ASB-141**	**ASB-142**	**ASB-143**	**ASB-148**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-139_6-8(20110829)**	**ASB-140_6-8(20110829)**	**ASB-141_2-4(20110830)**	**ASB-141_6-8(20110830)**	**ASB-142_2-4(20110830)**	**ASB-143_1-3(20110830)**	**ASB-148_0-2(20110831)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/29/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/31/2011**
Depth Interval					**6 - 8**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**1 - 3**	**0 - 2**
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.15 J**	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	**0.043 J**	< 0.29 J	NA	NA	NA	NA	< 0.25
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.1 J	< 1.1 J	NA	NA	NA	NA	< 1
2-Chlorotoluene	mg/kg	436	436	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
2-Hexanone	mg/kg	NS	NS	NA	< 1.1 J	< 1.1 J	NA	NA	NA	NA	< 1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Acetone	mg/kg	340	1000	NA	< 1.1 J	< 1.1 J	NA	NA	NA	NA	< 1
Allyl chloride	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
Benzene	mg/kg	6	10	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Bromobenzene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Bromochloromethane	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Bromodichloromethane	mg/kg	10	17	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Bromoform	mg/kg	370	650	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Bromomethane	mg/kg	0.7	2	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Butylbenzene	mg/kg	30	92	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Carbon disulfide	mg/kg	65	190	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Chlorobenzene	mg/kg	11	32	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Chlorodibromomethane	mg/kg	12	20	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Chloroethane	mg/kg	1000	3000	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Chloroform	mg/kg	2.5	4	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Chloromethane	mg/kg	8	23	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Cyclohexane	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
Dibromomethane	mg/kg	260	1860	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
Diethyl ether	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
Ethylbenzene	mg/kg	200	200	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**3**	**3**	**NPA**	**NPA**	**NPA**	**NPA**	**152**
Feature Name					**Former Convoy UST**	**Former Convoy UST**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Fuel Oil UST**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-139**	**ASB-140**	**ASB-141**	**ASB-141**	**ASB-142**	**ASB-143**	**ASB-148**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-139_6-8(20110829)**	**ASB-140_6-8(20110829)**	**ASB-141_2-4(20110830)**	**ASB-141_6-8(20110830)**	**ASB-142_2-4(20110830)**	**ASB-143_1-3(20110830)**	**ASB-148_0-2(20110831)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/29/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/31/2011**
Depth Interval					**6 - 8**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**1 - 3**	**0 - 2**
Methyl acetate	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.1 J	< 1.1 J	NA	NA	NA	NA	< 1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.1 J	< 1.1 J	NA	NA	NA	NA	< 1
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.55 J	< 0.57 J	NA	NA	NA	NA	< 0.5
Methylene chloride	mg/kg	97	158	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Naphthalene	mg/kg	10	28	NA	< 0.82 J	< 0.29 J	NA	NA	NA	NA	< 0.25
n-Propylbenzene	mg/kg	30	93	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
sec-Butylbenzene	mg/kg	25	70	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Styrene	mg/kg	210	600	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Tert-butylbenzene	mg/kg	30	90	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Tetrachloroethene	mg/kg	72	131	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.1 J	< 1.1 J	NA	NA	NA	NA	< 1
Toluene	mg/kg	107	305	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Trichloroethene	mg/kg	29	46	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.28 J	< 0.29 J	NA	NA	NA	NA	< 0.25
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.55	< 0.57 J	NA	NA	NA	NA	< 0.5
Xylene, -o*	mg/kg	45	130	NA	**0.016 J**	< 0.29 J	NA	NA	NA	NA	< 0.25
Total Xylenes*	mg/kg	45	130	NA	**0.016 J**	ND	NA	NA	NA	NA	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
Acenaphthylene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0051 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0073 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0062 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**3**	**3**	**NPA**	**NPA**	**NPA**	**NPA**	**152**
Feature Name					**Former Convoy UST**	**Former Convoy UST**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Fuel Oil UST**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-139**	**ASB-140**	**ASB-141**	**ASB-141**	**ASB-142**	**ASB-143**	**ASB-148**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-139_6-8(20110829)**	**ASB-140_6-8(20110829)**	**ASB-141_2-4(20110830)**	**ASB-141_6-8(20110830)**	**ASB-142_2-4(20110830)**	**ASB-143_1-3(20110830)**	**ASB-148_0-2(20110831)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/29/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/31/2011**
Depth Interval					**6 - 8**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**1 - 3**	**0 - 2**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0098 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0037 J**
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0073 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.011 J**
Fluorene	mg/kg	850	4120	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.01 J**
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	< 0.34
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0049 J**
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	NA	NA	< 0.44	< 0.41	< 0.41	< 0.4	**0.0085 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	NA	NA	**0**	**0**	**0**	**0**	**0.009353**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**3**	**3**	**NPA**	**NPA**	**NPA**	**NPA**	**152**
Feature Name					**Former Convoy UST**	**Former Convoy UST**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**North Parking Area**	**Former Fuel Oil UST**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-139**	**ASB-140**	**ASB-141**	**ASB-141**	**ASB-142**	**ASB-143**	**ASB-148**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-139_6-8(20110829)**	**ASB-140_6-8(20110829)**	**ASB-141_2-4(20110830)**	**ASB-141_6-8(20110830)**	**ASB-142_2-4(20110830)**	**ASB-143_1-3(20110830)**	**ASB-148_0-2(20110831)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/29/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/30/2011**	**8/31/2011**
Depth Interval					**6 - 8**	**6 - 8**	**2 - 4**	**6 - 8**	**2 - 4**	**1 - 3**	**0 - 2**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	NA	NA	**3.8**	**7.5**	**3**	**2.1**	NA
Barium	mg/kg	1100	18000	NA	NA	NA	**21 J**	**39**	**16 J**	**23**	NA
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	NA	NA	< 0.26	< 0.21	< 0.22	< 0.21	NA
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	NA	NA	**16**	**24**	**14**	**12**	NA
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**4.5**	**2.6**	**2.9**	**4.1**	**3**	**3.1**	NA
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	NA	NA	< 0.13	**0.035 J**	**0.019 J**	**0.014 J**	NA
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	NA	NA	< 0.65	< 0.52	< 0.55	< 0.53	NA
Silver	mg/kg	160	1300	NA	NA	NA	< 0.65	< 0.52	< 0.55	< 0.53	NA
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	**8.6 J**	< 12	NA	NA	NA	NA	< 10
Diesel Range Organics	mg/kg	NS	NS	NA	**1100**	< 10	**12**	< 11	< 11	< 10	< 8.7

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					1	1	1	1	1	1	1
Feature Number					152	16	16	16	16	16	16
Feature Name					Former Fuel Oil UST	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs
Location ID		Tier 1	Tier 2	TCLP	ASB-148	ASB-157	ASB-158	ASB-158	ASB-160	ASB-160	ASB-161
Sample ID		Residential	Industrial	Criteria	ASB-148_4-6(20110831)	ASB-157_0-2(20110901)	ASB-158_02(20110901)	ASB-158_4-6(20110901)	ASB-160_2-4(20110902)	ASB-160_5-7(20110902)	ASB-161_1-3(20110902)
Sample Date	Unit	SRV	SRV		8/31/2011	9/1/2011	9/1/2011	9/1/2011	9/2/2011	9/2/2011	9/2/2011
Depth Interval					4 - 6	0 - 2	0 - 2	4 - 6	2 - 4	5 - 7	1 - 3
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.24	< 0.24	**0.015 J**	**0.013 J**	**0.028 J**	**2.9**	< 0.27
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.49	< 0.48	< 0.51	< 0.48	< 0.54	< 0.63	< 0.54
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	**0.4**	< 0.27
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 0.97	< 0.97	< 1	< 0.95	< 1.1	< 1.3	< 1.1
2-Chlorotoluene	mg/kg	436	436	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
2-Hexanone	mg/kg	NS	NS	NA	< 0.97	< 0.97	< 1	< 0.95	< 1.1	< 1.3	< 1.1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Acetone	mg/kg	340	1000	NA	< 0.97	< 0.97	< 1	< 0.95	< 1.1	< 1.3	< 1.1
Allyl chloride	mg/kg	NS	NS	NA	< 0.49	< 0.48	< 0.51	< 0.48	< 0.54	< 0.63	< 0.54
Benzene	mg/kg	6	10	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Bromobenzene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Bromochloromethane	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Bromodichloromethane	mg/kg	10	17	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Bromoform	mg/kg	370	650	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Bromomethane	mg/kg	0.7	2	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Butylbenzene	mg/kg	30	92	NA	< 0.24	< 0.24	< 0.25	< 0.24	**0.066 J**	**0.66**	< 0.27
Carbon disulfide	mg/kg	65	190	NA	< 0.24	< 0.24	< 0.25	< 0.24	**0.057 J**	**0.08 J**	< 0.27
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32***	< 0.27
Chlorobenzene	mg/kg	11	32	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Chlorodibromomethane	mg/kg	12	20	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Chloroethane	mg/kg	1000	3000	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Chloroform	mg/kg	2.5	4	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Chloromethane	mg/kg	8	23	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Cyclohexane	mg/kg	NS	NS	NA	< 0.49	< 0.48	< 0.51	< 0.48	< 0.54	< 0.63	< 0.54
Dibromomethane	mg/kg	260	1860	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.49	< 0.48	< 0.51	< 0.48	< 0.54	< 0.63	< 0.54
Diethyl ether	mg/kg	NS	NS	NA	< 0.49	< 0.48	< 0.51	< 0.48	< 0.54	< 0.63	< 0.54
Ethylbenzene	mg/kg	200	200	NA	**0.014 J**	< 0.24	**0.017 J**	**0.0079 J**	**0.016 J**	**0.31 J**	< 0.27
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32***	< 0.27
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.24	< 0.24	< 0.25	< 0.24	**0.028 J**	**0.18 J**	< 0.27

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**152**	**16**	**16**	**16**	**16**	**16**	**16**
Feature Name					**Former Fuel Oil UST**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-148**	**ASB-157**	**ASB-158**	**ASB-158**	**ASB-160**	**ASB-160**	**ASB-161**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-148_4-6(20110831)**	**ASB-157_0-2(20110901)**	**ASB-158_02(20110901)**	**ASB-158_4-6(20110901)**	**ASB-160_2-4(20110902)**	**ASB-160_5-7(20110902)**	**ASB-161_1-3(20110902)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/31/2011**	**9/1/2011**	**9/1/2011**	**9/1/2011**	**9/2/2011**	**9/2/2011**	**9/2/2011**
Depth Interval					**4 - 6**	**0 - 2**	**0 - 2**	**4 - 6**	**2 - 4**	**5 - 7**	**1 - 3**
Methyl acetate	mg/kg	NS	NS	NA	**0.024 J**	**0.035 J**	**0.079 J**	**0.028 J**	**0.2 J**	**0.47 J**	**0.06 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 0.97	< 0.97	< 1	< 0.95	< 1.1	< 1.3	< 1.1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 0.97	< 0.97	< 1	< 0.95	< 1.1	< 1.3	< 1.1
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.49	< 0.48	**0.039 J**	< 0.48	< 0.54	< 0.63	< 0.54
Methylene chloride	mg/kg	97	158	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Naphthalene	mg/kg	10	28	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	**0.63**	< 0.27
n-Propylbenzene	mg/kg	30	93	NA	< 0.24	< 0.24	< 0.25	< 0.24	**0.044 J**	**0.39**	< 0.27
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	**0.11 J**	< 0.27
sec-Butylbenzene	mg/kg	25	70	NA	< 0.24	< 0.24	< 0.25	< 0.24	**0.039 J**	**0.21 J**	< 0.27
Styrene	mg/kg	210	600	NA	< 0.24	< 0.24	**0.013 J**	< 0.24	< 0.27	< 0.32	< 0.27
Tert-butylbenzene	mg/kg	30	90	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Tetrachloroethene	mg/kg	72	131	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Tetrahydrofuran	mg/kg	NS	NS	NA	< 0.97	< 0.97	< 1	< 0.95	< 1.1	< 1.3	< 1.1
Toluene	mg/kg	107	305	NA	< 0.24	**0.018 J**	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Trichloroethene	mg/kg	29	46	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.24	< 0.24	< 0.25	< 0.24	< 0.27	< 0.32	< 0.27
m-Xylene & p-Xylene*	mg/kg	45	130	NA	**0.021 J**	< 0.48	**0.09 J**	< 0.48	**0.036 J**	**0.7**	< 0.54
Xylene, -o*	mg/kg	45	130	NA	< 0.24	< 0.24	**0.041 J**	< 0.24	< 0.27	**0.038 J**	< 0.27
Total Xylenes*	mg/kg	45	130	NA	**0.021 J**	ND	**0.131 J**	ND	**0.036 J**	**0.738 J**	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.35	< 0.35	**0.048 J**	**0.0067 J**	**0.0083 J**	**0.41 J**	**0.012 J**
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	< 0.35	< 0.35	**0.023 J**	< 0.36	**0.012 J**	< 0.96	< 0.88
Acenaphthylene	mg/kg	NS	NS	NA	< 0.35	< 0.35	**0.012 J**	< 0.36	< 0.37	< 0.96	< 0.88
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	< 0.35	< 0.35	**0.066 J**	< 0.36	**0.021 J**	< 0.96	**0.02 J**
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.0041 J**	**0.016 J**	**0.2 J**	< 0.36	**0.098 J**	< 0.96	**0.07 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.35	**0.023 J**	**0.26 J**	< 0.36	**0.091 J**	< 0.96	**0.1 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	**0.0038 J**	**0.022 J**	**0.26 J**	< 0.36	**0.095 J**	< 0.96	**0.11 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**152**	**16**	**16**	**16**	**16**	**16**	**16**
Feature Name					**Former Fuel Oil UST**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-148**	**ASB-157**	**ASB-158**	**ASB-158**	**ASB-160**	**ASB-160**	**ASB-161**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-148_4-6(20110831)**	**ASB-157_0-2(20110901)**	**ASB-158_02(20110901)**	**ASB-158_4-6(20110901)**	**ASB-160_2-4(20110902)**	**ASB-160_5-7(20110902)**	**ASB-161_1-3(20110902)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/31/2011**	**9/1/2011**	**9/1/2011**	**9/1/2011**	**9/2/2011**	**9/2/2011**	**9/2/2011**
Depth Interval					**4 - 6**	**0 - 2**	**0 - 2**	**4 - 6**	**2 - 4**	**5 - 7**	**1 - 3**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.0049 J**	**0.034 J**	**0.41**	< 0.36	**0.14 J**	< 0.96	**0.15 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.35	**0.012 J**	**0.14 J**	< 0.36	**0.096 J**	< 0.96	**0.076 J**
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	< 0.35	**0.027 J**	**0.28 J**	< 0.36	**0.1 J**	< 0.96	**0.11 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.35	**0.0046 J**	**0.054 J**	< 0.36	< 0.37	< 0.96	< 0.88
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	**0.0046 J**	**0.043 J**	**0.46**	< 0.36	**0.23 J**	**0.039 J**	**0.16 J**
Fluorene	mg/kg	850	4120	NA	< 0.35	< 0.35	**0.021 J**	< 0.36	**0.0098 J**	< 0.96	< 0.88
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.0099 J**	**0.019 J**	**0.16 J**	< 0.36	**0.078 J**	< 0.96	**0.066 J**
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	< 0.35	< 0.35	**0.036 J**	< 0.36	**0.0062 J**	**0.29 J**	< 0.88
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	< 0.35	**0.02 J**	**0.24 J**	< 0.36	**0.12 J**	< 0.96	**0.05 J**
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	**0.004 J**	**0.032 J**	**0.38**	< 0.36	**0.17 J**	**0.037 J**	**0.14 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.00528**	**0.033646**	**0.39004**	**0**	**0.1365**	**0**	**0.1503**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**1**	**1**	**1**	**1**	**1**	**1**	**1**
Feature Number					**152**	**16**	**16**	**16**	**16**	**16**	**16**
Feature Name					**Former Fuel Oil UST**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**	**Former Gas/Spirits/Thinner USTs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-148**	**ASB-157**	**ASB-158**	**ASB-158**	**ASB-160**	**ASB-160**	**ASB-161**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-148_4-6(20110831)**	**ASB-157_0-2(20110901)**	**ASB-158_02(20110901)**	**ASB-158_4-6(20110901)**	**ASB-160_2-4(20110902)**	**ASB-160_5-7(20110902)**	**ASB-161_1-3(20110902)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/31/2011**	**9/1/2011**	**9/1/2011**	**9/1/2011**	**9/2/2011**	**9/2/2011**	**9/2/2011**
Depth Interval					**4 - 6**	**0 - 2**	**0 - 2**	**4 - 6**	**2 - 4**	**5 - 7**	**1 - 3**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	1100	18000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	160	1300	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	< 10	< 10	< 11	< 11	**8.6 J**	**160 J**	**1.6 J**
Diesel Range Organics	mg/kg	NS	NS	NA	< 8.5	< 9.2	**49**	< 9.1	**18**	**150**	< 8.7

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	2	2	2	2	2	2
Feature Number					NPA	NPA	5	5	5	5	NPA
Feature Name					North Parking Area	North Parking Area	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	North Parking Area
Location ID		Tier 1	Tier 2	TCLP	ASB-118	ASB-118	ASB-121	ASB-121	ASB-122	ASB-122	ASB-136
Sample ID		Residential	Industrial	Criteria	ASB-118_2-4(20110823)	ASB-118_5-7(20110823)	ASB-121_5-7(20110824)	ASB-121_8-10(20110824)	ASB-122_2-4(20110824)	ASB-122_6-8(20110824)	ASB-136_1-3(20110829)
Sample Date	Unit	SRV	SRV		8/23/2011	8/23/2011	8/24/2011	8/24/2011	8/24/2011	8/24/2011	8/29/2011
Depth Interval					2 - 4	5 - 7	5 - 7	8 - 10	2 - 4	6 - 8	1 - 3
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1,1-Trichloroethane	mg/kg	140	472	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1,2-Trichloroethane	mg/kg	9	14	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1-Dichloroethane	mg/kg	34	55	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1-Dichloroethene	mg/kg	20	60	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	NA	NA	**31**	**110**	**0.084 J**	**64**	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	< 2.8	< 6.9	< 0.54	< 3.3	NA
1,2-Dichlorobenzene	mg/kg	26	75	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,2-Dichloroethane	mg/kg	4	6	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,2-Dichloropropane	mg/kg	4	6	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	NA	NA	**9.7**	**35**	**0.059 J**	**20**	NA
1,3-Dichlorobenzene	mg/kg	26	200	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1,4-Dichlorobenzene	mg/kg	30	50	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
1.3-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	< 5.5	< 14	< 1.1	< 6.5	NA
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	< 5.5	< 14	< 1.1	< 6.5	NA
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Acetone	mg/kg	340	1000	NA	NA	NA	< 5.5	< 14	< 1.1	< 6.5	NA
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	< 2.8	< 6.9	< 0.54	< 3.3	NA
Benzene	mg/kg	6	10	NA	NA	NA	**2.9**	**15**	**1.4**	**9.2**	NA
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Bromodichloromethane	mg/kg	10	17	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Bromoform	mg/kg	370	650	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Bromomethane	mg/kg	0.7	2	NA	NA	NA	< 1.4***	< 3.4***	< 0.27	< 1.6***	NA
Butylbenzene	mg/kg	30	92	NA	NA	NA	**2.2**	**7.2**	< 0.27	**4.3**	NA
Carbon disulfide	mg/kg	65	190	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Carbon tetrachloride	mg/kg	0.3	0.9	NA	NA	NA	< 1.4***	< 3.4***	< 0.27	< 1.6***	NA
Chlorobenzene	mg/kg	11	32	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Chlorodibromomethane	mg/kg	12	20	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Chloroethane	mg/kg	1000	3000	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Chloroform	mg/kg	2.5	4	NA	NA	NA	< 1.4	< 3.4***	< 0.27	< 1.6	NA
Chloromethane	mg/kg	8	23	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
cis-1,2-Dichloroethene	mg/kg	8	22	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	**11**	**35**	**0.82**	**24**	NA
Dibromomethane	mg/kg	260	1860	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	< 2.8	< 6.9	< 0.54	< 3.3	NA
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	< 2.8	< 6.9	< 0.54	< 3.3	NA
Ethylbenzene	mg/kg	200	200	NA	NA	NA	**18**	**70**	**0.051 J**	**36**	NA
Ethylene dibromide	mg/kg	0.3	0.5	NA	NA	NA	< 1.4***	< 3.4***	< 0.27	< 1.6***	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	NA	NA	**1.3 J**	**4.8**	**0.03 J**	**2.6**	NA

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	2	2	2	2	2	2
Feature Number					NPA	NPA	5	5	5	5	NPA
Feature Name					North Parking Area	North Parking Area	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	North Parking Area
Location ID		Tier 1	Tier 2	TCLP	ASB-118	ASB-118	ASB-121	ASB-121	ASB-122	ASB-122	ASB-136
Sample ID		Residential	Industrial	Criteria	ASB-118_2-4(20110823)	ASB-118_5-7(20110823)	ASB-121_5-7(20110824)	ASB-121_8-10(20110824)	ASB-122_2-4(20110824)	ASB-122_6-8(20110824)	ASB-136_1-3(20110829)
Sample Date	Unit	SRV	SRV		8/23/2011	8/23/2011	8/24/2011	8/24/2011	8/24/2011	8/24/2011	8/29/2011
Depth Interval					2 - 4	5 - 7	5 - 7	8 - 10	2 - 4	6 - 8	1 - 3
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	< 2.8	< 6.9	**0.081 J**	< 3.3	NA
Methyl isobutyl ketone	mg/kg	1700	9000	NA	NA	NA	< 5.5	< 14	< 1.1	< 6.5	NA
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	< 5.5	< 14	< 1.1	< 6.5	NA
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	**12**	**36**	**0.59**	**19**	NA
Methylene chloride	mg/kg	97	158	NA	NA	NA	< 1.4	< 3.4	**0.1 J**	< 1.6	NA
Naphthalene	mg/kg	10	28	NA	NA	NA	**2.9**	**11**	< 0.27	**6.3**	NA
n-Propylbenzene	mg/kg	30	93	NA	NA	NA	**6.5**	**23**	**0.11 J**	**13**	NA
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	**0.22 J**	**0.74 J**	< 0.27	**0.41 J**	NA
sec-Butylbenzene	mg/kg	25	70	NA	NA	NA	**0.57 J**	**1.9 J**	< 0.27	**1.1 J**	NA
Styrene	mg/kg	210	600	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Tert-butylbenzene	mg/kg	30	90	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Tetrachloroethene	mg/kg	72	131	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	< 5.5	< 14	< 1.1	< 6.5	NA
Toluene	mg/kg	107	305	NA	NA	NA	**16**	**120**	**0.036 J**	**28**	NA
trans-1,2-Dichloroethene	mg/kg	11	33	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Trichloroethene	mg/kg	29	46	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	NA	NA	< 1.4	< 3.4	< 0.27	< 1.6	NA
Vinyl chloride	mg/kg	0.8	2.2	NA	NA	NA	< 1.4***	< 3.4***	< 0.27	< 1.6***	NA
m-Xylene & p-Xylene*	mg/kg	45	130	NA	NA	NA	**61**	**240**	**0.62**	**120**	NA
Xylene, -o*	mg/kg	45	130	NA	NA	NA	**21**	**87**	**0.082 J**	**42**	NA
Total Xylenes*	mg/kg	45	130	NA	NA	NA	**82**	**327**	**0.702 J**	**162**	NA
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.38	< 0.4	**1.6 J**	**4.2**	**0.018 J**	**2.5**	**0.19 J**
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	< 0.38	< 0.4	**0.18 J**	**0.12 J**	**0.035 J**	**0.033 J**	< 7.3
Acenaphthylene	mg/kg	NS	NS	NA	< 0.38	< 0.4	**0.048 J**	< 1.9	**0.0042 J**	< 0.86	< 7.3
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	< 0.38	< 0.4	**1 J**	**0.16 J**	**0.066 J**	< 0.86	< 7.3
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.38	< 0.4	**2.4**	**0.11 J**	**0.086 J**	< 0.86	**0.16 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.38	**0.0086 J**	**4.5**	**0.25 J**	**0.17 J**	< 0.86	**0.13 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.38	**0.0093 J**	**4.3**	**0.2 J**	**0.15 J**	< 0.86	**0.14 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	2	2	2	2	2	2
Feature Number					NPA	NPA	5	5	5	5	NPA
Feature Name					North Parking Area	North Parking Area	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	North Parking Area
Location ID		Tier 1	Tier 2	TCLP	ASB-118	ASB-118	ASB-121	ASB-121	ASB-122	ASB-122	ASB-136
Sample ID		Residential	Industrial	Criteria	ASB-118_2-4(20110823)	ASB-118_5-7(20110823)	ASB-121_5-7(20110824)	ASB-121_8-10(20110824)	ASB-122_2-4(20110824)	ASB-122_6-8(20110824)	ASB-136_1-3(20110829)
Sample Date	Unit	SRV	SRV		8/23/2011	8/23/2011	8/24/2011	8/24/2011	8/24/2011	8/24/2011	8/29/2011
Depth Interval					2 - 4	5 - 7	5 - 7	8 - 10	2 - 4	6 - 8	1 - 3
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.38	**0.012 J**	**5.2**	**0.25 J**	**0.17 J**	< 0.86	**0.2 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.38	**0.0068 J**	**3.4**	**0.16 J**	**0.098 J**	< 0.86	**0.11 J**
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	< 0.38	**0.012 J**	**4.3**	**0.22 J**	**0.18 J**	< 0.86	**0.23 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.38	< 0.4	< 1.9	< 1.9	< 0.39	< 0.86	< 7.3
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	< 0.38	**0.018 J**	**7.4**	**0.55 J**	**0.42**	**0.022 J**	**0.23 J**
Fluorene	mg/kg	850	4120	NA	< 0.38	< 0.4	**0.28 J**	**0.14 J**	**0.039 J**	**0.045 J**	< 7.3
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.38	< 0.4	**2.4**	**0.095 J**	**0.072 J**	< 0.86	< 7.3
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	< 0.38	< 0.4	**1.2 J**	**3**	**0.025 J**	**1.9**	**0.094 J**
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	< 0.38	**0.0093 J**	**3**	**0.51 J**	**0.35 J**	**0.069 J**	**0.27 J**
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	< 0.38	**0.015 J**	**5.2**	**0.44 J**	**0.33 J**	**0.025 J**	**0.21 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0**	**0.01216**	**5.893**	**0.2777**	**0.2028**	**0**	**0.1863**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Feature Number					**NPA**	**NPA**	**5**	**5**	**5**	**5**	**NPA**	
Feature Name					**North Parking Area**	**North Parking Area**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**North Parking Area**	
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-118**	**ASB-118**	**ASB-121**	**ASB-121**	**ASB-122**	**ASB-122**	**ASB-136**	
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-118_2-4(20110823)**	**ASB-118_5-7(20110823)**	**ASB-121_5-7(20110824)**	**ASB-121_8-10(20110824)**	**ASB-122_2-4(20110824)**	**ASB-122_6-8(20110824)**	**ASB-136_1-3(20110829)**	
Sample Date	**Unit**	**SRV**	**SRV**		**8/23/2011**	**8/23/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/24/2011**	**8/29/2011**	
Depth Interval					**2 - 4**	**5 - 7**	**5 - 7**	**8 - 10**	**2 - 4**	**6 - 8**	**1 - 3**	
Metals												
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA	
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	mg/kg	9	20	NA	**3.8**	**4**	NA	NA	NA	NA	**4.4**	
Barium	mg/kg	1100	18000	NA	**69**	**78**	NA	NA	NA	NA	**59**	
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	mg/kg	25	200	NA	**0.039 J**	< 0.23	NA	NA	NA	NA	**0.46**	
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium**	mg/kg	87/44000	650/100000	NA	**17**	**15**	NA	NA	NA	NA	**7.7**	
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	mg/kg	300	700	NA	**5.3**	**11**	**31**	**32**	**14**	**8**	**47**	
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	mg/kg	0.5	1.5	NA	**0.023 J**	**0.019 J**	NA	NA	NA	NA	**0.065 J**	
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA	
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	mg/kg	160	1300	NA	< 0.55	**2.2**	NA	NA	NA	NA	< 0.53	
Silver	mg/kg	160	1300	NA	< 0.55	< 0.57	NA	NA	NA	NA	< 0.53	
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA	
Metals-TCLP												
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	
PCBs												
Aroclor 1016	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Aroclor 1221	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Aroclor 1232	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Aroclor 1242	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Aroclor 1248	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Aroclor 1254	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Aroclor 1260	mg/kg	1.2	8	NA	< 0.038	< 0.04	NA	NA	NA	NA	NA	
Other												
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	**820**	**4000**	**57**	**2300**	NA	
Diesel Range Organics	mg/kg	NS	NS	NA	< 9.5	< 10	**42**	**12**	< 10	**26**	**550**	

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**2**	**2**	**2**	**2**	**2**	**2**	**2**
Feature Number					**138**	**138**	**138**	**138**	**152**	**152**	**16**
Feature Name					**Former Gasoline UST**	**Former Gasoline UST**	**Former Gasoline UST**	**Former Gasoline UST**	**Former Fuel Oil UST**	**Former Fuel Oil UST**	**Former Gas/Spirits/Thinner USTs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-145**	**ASB-145**	**ASB-146**	**ASB-146**	**ASB-147**	**ASB-147**	**ASB-159**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-145_0-2(20110830)**	**ASB-145_6-8(20110830)**	**ASB-146_0-2(20110831)**	**ASB-146_6-8(20110831)**	**ASB-147_0-2(20110831)**	**ASB-147_6-8(20110831)**	**ASB-159_2-4(20110902)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/30/2011**	**8/30/2011**	**8/31/2011**	**8/31/2011**	**8/31/2011**	**8/31/2011**	**9/2/2011**
Depth Interval					**0 - 2**	**6 - 8**	**0 - 2**	**6 - 8**	**0 - 2**	**6 - 8**	**2 - 4**
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.084 J**	< 0.28	< 0.29	< 1.5	**0.014 J**	< 1.3	**0.067 J**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.66	< 0.56	< 0.57	< 2.9	< 0.5	< 2.7	< 0.58
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	**0.028 J**	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	**0.016 J**
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.3	< 1.1	< 1.1	< 5.9	< 1	< 5.4	< 1.2
2-Chlorotoluene	mg/kg	436	436	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
2-Hexanone	mg/kg	NS	NS	NA	< 1.3	< 1.1	< 1.1	< 5.9	< 1	< 5.4	< 1.2
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Acetone	mg/kg	340	1000	NA	< 1.3	< 1.1	< 1.1	< 5.9	< 1	< 5.4	< 1.2
Allyl chloride	mg/kg	NS	NS	NA	< 0.66	< 0.56	< 0.57	< 2.9	< 0.5	< 2.7	< 0.58
Benzene	mg/kg	6	10	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Bromobenzene	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Bromochloromethane	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Bromodichloromethane	mg/kg	10	17	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Bromoform	mg/kg	370	650	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Bromomethane	mg/kg	0.7	2	NA	< 0.33	< 0.28	< 0.29	< 1.5***	< 0.25	< 1.3***	< 0.29
Butylbenzene	mg/kg	30	92	NA	**0.014 J**	< 0.28	< 0.29	**20**	**0.014 J**	**16**	< 0.29
Carbon disulfide	mg/kg	65	190	NA	< 0.33	< 0.28	< 0.29	< 1.5	**0.051 J**	**0.26 J**	**0.059 J**
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.33***	< 0.28	< 0.29	< 1.5***	< 0.25	< 1.3***	< 0.29
Chlorobenzene	mg/kg	11	32	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Chlorodibromomethane	mg/kg	12	20	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Chloroethane	mg/kg	1000	3000	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Chloroform	mg/kg	2.5	4	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Chloromethane	mg/kg	8	23	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Cyclohexane	mg/kg	NS	NS	NA	**0.098 J**	< 0.56	< 0.57	**7.8**	< 0.5	**0.8 J**	< 0.58
Dibromomethane	mg/kg	260	1860	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.66	< 0.56	< 0.57	< 2.9	< 0.5	< 2.7	< 0.58
Diethyl ether	mg/kg	NS	NS	NA	< 0.66	< 0.56	< 0.57	< 2.9	< 0.5	< 2.7	< 0.58
Ethylbenzene	mg/kg	200	200	NA	**0.029 J**	< 0.28	**0.018 J**	< 1.5	< 0.25	< 1.3	**0.017 J**
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.33***	< 0.28	< 0.29	< 1.5***	< 0.25	< 1.3***	< 0.29
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	**0.01 J**	< 0.28	< 0.29	**2.3**	< 0.25	**1.3**	< 0.29

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	2	2	2	2	2	2
Feature Number					138	138	138	138	152	152	16
Feature Name					Former Gasoline UST	Former Gasoline UST	Former Gasoline UST	Former Gasoline UST	Former Fuel Oil UST	Former Fuel Oil UST	Former Gas/Spirits/Thinner USTs
Location ID		Tier 1	Tier 2	TCLP	ASB-145	ASB-145	ASB-146	ASB-146	ASB-147	ASB-147	ASB-159
Sample ID		Residential	Industrial	Criteria	ASB-145_0-2(20110830)	ASB-145_6-8(20110830)	ASB-146_0-2(20110831)	ASB-146_6-8(20110831)	ASB-147_0-2(20110831)	ASB-147_6-8(20110831)	ASB-159_2-4(20110902)
Sample Date	Unit	SRV	SRV		8/30/2011	8/30/2011	8/31/2011	8/31/2011	8/31/2011	8/31/2011	9/2/2011
Depth Interval					0 - 2	6 - 8	0 - 2	6 - 8	0 - 2	6 - 8	2 - 4
Methyl acetate	mg/kg	NS	NS	NA	**0.89**	**0.063 J**	**0.12 J**	**0.35 J**	**0.25 J**	**0.2 J**	**0.19 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.3	< 1.1	< 1.1	< 5.9	< 1	< 5.4	< 1.2
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.3	< 1.1	< 1.1	< 5.9	< 1	< 5.4	< 1.2
Methylcyclohexane	mg/kg	NS	NS	NA	**0.28 J**	< 0.56	< 0.57	**26**	< 0.5	**3.4**	**0.05 J**
Methylene chloride	mg/kg	97	158	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Naphthalene	mg/kg	10	28	NA	**0.23 J**	< 0.28	< 0.29	**2.8**	< 0.25	< 1.3	< 0.29
n-Propylbenzene	mg/kg	30	93	NA	< 0.33	< 0.28	< 0.29	**6.2**	< 0.25	**3.6**	**0.03 J**
p-Isopropyltoluene	mg/kg	NS	NS	NA	**0.0073 J**	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
sec-Butylbenzene	mg/kg	25	70	NA	< 0.33	< 0.28	< 0.29	**3.5**	**0.0053 J**	**3.6**	**0.033 J**
Styrene	mg/kg	210	600	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Tert-butylbenzene	mg/kg	30	90	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Tetrachloroethene	mg/kg	72	131	NA	< 0.33	< 0.28	**0.038 J**	< 1.5	< 0.25	< 1.3	< 0.29
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.3	< 1.1	< 1.1	< 5.9	< 1	< 5.4	< 1.2
Toluene	mg/kg	107	305	NA	**0.17 J**	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Trichloroethene	mg/kg	29	46	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.33	< 0.28	< 0.29	< 1.5	< 0.25	< 1.3	< 0.29
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.33	< 0.28	< 0.29	< 1.5***	< 0.25	< 1.3***	< 0.29
m-Xylene & p-Xylene*	mg/kg	45	130	NA	**0.22 J**	< 0.56	**0.049 J**	< 2.9	**0.0096 J**	< 2.7	**0.068 J**
Xylene, -o*	mg/kg	45	130	NA	**0.2 J**	< 0.28	**0.027 J**	< 1.5	< 0.25	< 1.3	**0.02 J**
Total Xylenes*	mg/kg	45	130	NA	**0.42 J**	ND	**0.076 J**	ND	**0.0096 J**	ND	**0.088 J**
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	NA	NA	NA	NA	**0.0037 J**	**0.063 J**	**0.23 J**
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	NA	NA	NA	NA	< 0.37	**0.041 J**	< 1.9
Acenaphthylene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.37	< 3.7	< 1.9
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	NA	NA	NA	NA	**0.004 J**	< 3.7	**0.038 J**
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.0094 J**	< 3.7	**0.14 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.37	< 3.7	**0.19 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	NA	NA	NA	NA	**0.0086 J**	< 3.7***	**0.23 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	2	2	2	2	2	2
Feature Number					138	138	138	138	152	152	16
Feature Name					Former Gasoline UST	Former Gasoline UST	Former Gasoline UST	Former Gasoline UST	Former Fuel Oil UST	Former Fuel Oil UST	Former Gas/Spirits/Thinner USTs
Location ID		Tier 1	Tier 2	TCLP	ASB-145	ASB-145	ASB-146	ASB-146	ASB-147	ASB-147	ASB-159
Sample ID		Residential	Industrial	Criteria	ASB-145_0-2(20110830)	ASB-145_6-8(20110830)	ASB-146_0-2(20110831)	ASB-146_6-8(20110831)	ASB-147_0-2(20110831)	ASB-147_6-8(20110831)	ASB-159_2-4(20110902)
Sample Date	Unit	SRV	SRV		8/30/2011	8/30/2011	8/31/2011	8/31/2011	8/31/2011	8/31/2011	9/2/2011
Depth Interval					0 - 2	6 - 8	0 - 2	6 - 8	0 - 2	6 - 8	2 - 4
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.37	< 3.7	**0.27 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.37	< 3.7	**0.12 J**
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.37	< 3.7	**0.2 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.37 J	< 3.7	< 1.9
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	NA	NA	NA	NA	**0.025 J**	**0.083 J**	**0.3 J**
Fluorene	mg/kg	850	4120	NA	NA	NA	NA	NA	< 0.37	**0.065 J**	**0.029 J**
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.014 J**	< 3.7	**0.14 J**
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	NA	NA	NA	NA	**0.0091 J**	< 3.7	**0.25 J**
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.016 J**	**0.11 J**	**0.13 J**
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	NA	NA	NA	NA	**0.019 J**	**0.11 J**	**0.27 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	NA	NA	NA	NA	**0.01**	**0**	**0.304**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**2**	**2**	**2**	**2**	**2**	**2**	**2**
Feature Number					**138**	**138**	**138**	**138**	**152**	**152**	**16**
Feature Name					**Former Gasoline UST**	**Former Gasoline UST**	**Former Gasoline UST**	**Former Gasoline UST**	**Former Fuel Oil UST**	**Former Fuel Oil UST**	**Former Gas/Spirits/Thinner USTs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-145**	**ASB-145**	**ASB-146**	**ASB-146**	**ASB-147**	**ASB-147**	**ASB-159**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-145_0-2(20110830)**	**ASB-145_6-8(20110830)**	**ASB-146_0-2(20110831)**	**ASB-146_6-8(20110831)**	**ASB-147_0-2(20110831)**	**ASB-147_6-8(20110831)**	**ASB-159_2-4(20110902)**
Sample Date	**Unit**	**SRV**	**SRV**		**8/30/2011**	**8/30/2011**	**8/31/2011**	**8/31/2011**	**8/31/2011**	**8/31/2011**	**9/2/2011**
Depth Interval					**0 - 2**	**6 - 8**	**0 - 2**	**6 - 8**	**0 - 2**	**6 - 8**	**2 - 4**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	1100	18000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**51 J**	**5.8**	**8.8**	**7.3**	NA	NA	NA
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	160	1300	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	< 11	< 12	< 13	**780**	**7.3 J**	**3000**	**53 J**
Diesel Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	**9.8**	**29**	**100**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	4	4	4	4	4	4
Feature Number					16	152	152	152	12 and 47	21 and 27	21 and 27
Feature Name					Former Gas/Spirits/Thinner USTs	Former Fuel Oil UST	Former Fuel Oil UST	Former Fuel Oil UST	Former Railroad Spurs and Former Coal Operations	1996 Glycol Release and Oil/Water Separator/Trench	1996 Glycol Release and Oil/Water Separator/Trench
Location ID		Tier 1	Tier 2	TCLP	ASB-159	ASB-135	ASB-135	ASB-135	ASB-162	ASB-168	ASB-168
Sample ID		Residential	Industrial	Criteria	ASB-159_5-7(20110902)	ASB-135_2-4(20110826)	ASB-135_6-8(20110826)	ASB-135_8-9(20110826)	ASB-162_1-3(20110906)	ASB-168_0-2(20110907)	ASB-168_4-6(20110907)
Sample Date	Unit	SRV	SRV		9/2/2011	8/26/2011	8/26/2011	8/26/2011	9/6/2011	9/7/2011	9/7/2011
Depth Interval					5 - 7	2 - 4	6 - 8	8 - 9	1 - 3	0 - 2	4 - 6
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1-Dichloroethane	mg/kg	34	55	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1-Dichloroethene	mg/kg	20	60	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**28**	**0.033 J**	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 2.1	< 0.47	< 0.79	< 0.48	< 0.58	< 0.4	< 0.46
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2-Dichloroethane	mg/kg	4	6	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,2-Dichloropropane	mg/kg	4	6	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	**5**	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 4.1	< 0.94	< 1.6	< 0.96	< 1.2	< 0.81	< 0.91
2-Chlorotoluene	mg/kg	436	436	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
2-Hexanone	mg/kg	NS	NS	NA	< 4.1	< 0.94	< 1.6	< 0.96	< 1.2	< 0.81	< 0.91
4-Chlorotoluene	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Acetone	mg/kg	340	1000	NA	< 4.1	< 0.94	< 1.6	< 0.96	< 1.2	< 0.81	< 0.91
Allyl chloride	mg/kg	NS	NS	NA	< 2.1	< 0.47	< 0.79	< 0.48	< 0.58	< 0.4	< 0.46
Benzene	mg/kg	6	10	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Bromobenzene	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Bromochloromethane	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Bromodichloromethane	mg/kg	10	17	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Bromoform	mg/kg	370	650	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Bromomethane	mg/kg	0.7	2	NA	< 1***	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Butylbenzene	mg/kg	30	92	NA	**4.5**	**0.52**	**0.54**	**0.17 J**	< 0.29	< 0.2	< 0.23
Carbon disulfide	mg/kg	65	190	NA	**0.19 J**	**0.044 J**	**0.075 J**	**0.057 J**	**0.054 J**	< 0.2	< 0.23
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 1***	< 0.24	< 0.39***	< 0.24	< 0.29	< 0.2	< 0.23
Chlorobenzene	mg/kg	11	32	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Chlorodibromomethane	mg/kg	12	20	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Chloroethane	mg/kg	1000	3000	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Chloroform	mg/kg	2.5	4	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Chloromethane	mg/kg	8	23	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Cyclohexane	mg/kg	NS	NS	NA	**2.8**	< 0.47	**0.61 J**	**0.24 J**	< 0.58	< 0.4	< 0.46
Dibromomethane	mg/kg	260	1860	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 2.1	< 0.47	< 0.79	< 0.48	< 0.58	< 0.4	< 0.46
Diethyl ether	mg/kg	NS	NS	NA	< 2.1	< 0.47	< 0.79	< 0.48	< 0.58	< 0.4	< 0.46
Ethylbenzene	mg/kg	200	200	NA	**1.5**	**0.036 J**	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 1***	< 0.24	< 0.39***	< 0.24	< 0.29	< 0.2	< 0.23
Hexachlorobutadiene	mg/kg	6	37	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	**0.86 J**	**0.053 J**	**0.22 J**	**0.067 J**	< 0.29	< 0.2	< 0.23

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	4	4	4	4	4	4
Feature Number					16	152	152	152	12 and 47	21 and 27	21 and 27
Feature Name					Former Gas/Spirits/Thinner USTs	Former Fuel Oil UST	Former Fuel Oil UST	Former Fuel Oil UST	Former Railroad Spurs and Former Coal Operations	1996 Glycol Release and Oil/Water Separator/Trench	1996 Glycol Release and Oil/Water Separator/Trench
Location ID		Tier 1	Tier 2	TCLP	ASB-159	ASB-135	ASB-135	ASB-135	ASB-162	ASB-168	ASB-168
Sample ID		Residential	Industrial	Criteria	ASB-159_5-7(20110902)	ASB-135_2-4(20110826)	ASB-135_6-8(20110826)	ASB-135_8-9(20110826)	ASB-162_1-3(20110906)	ASB-168_0-2(20110907)	ASB-168_4-6(20110907)
Sample Date	Unit	SRV	SRV		9/2/2011	8/26/2011	8/26/2011	8/26/2011	9/6/2011	9/7/2011	9/7/2011
Depth Interval					5 - 7	2 - 4	6 - 8	8 - 9	1 - 3	0 - 2	4 - 6
Methyl acetate	mg/kg	NS	NS	NA	**0.21 J**	**0.13 J**	**0.31 J**	**0.088 J**	**0.1 J**	< 0.4	< 0.46
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 4.1	< 0.94	< 1.6	< 0.96	< 1.2	< 0.81	< 0.91
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 4.1	< 0.94	< 1.6	< 0.96	< 1.2	< 0.81	< 0.91
Methylcyclohexane	mg/kg	NS	NS	NA	**6.1**	**0.14 J**	**5.6**	**3**	< 0.58	< 0.4	< 0.46
Methylene chloride	mg/kg	97	158	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Naphthalene	mg/kg	10	28	NA	**5.2**	**0.15 J**	**0.17 J**	< 0.24	< 0.29	< 0.2	< 0.23
n-Propylbenzene	mg/kg	30	93	NA	**3.5**	**0.24**	**0.52**	**0.097 J**	< 0.29	< 0.2	< 0.23
p-Isopropyltoluene	mg/kg	NS	NS	NA	**0.81 J**	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
sec-Butylbenzene	mg/kg	25	70	NA	**0.91 J**	**0.15 J**	**0.28 J**	**0.11 J**	< 0.29	< 0.2	< 0.23
Styrene	mg/kg	210	600	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Tert-butylbenzene	mg/kg	30	90	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Tetrachloroethene	mg/kg	72	131	NA	< 1	< 0.24	< 0.39	< 0.24	**0.069 J**	< 0.2	< 0.23
Tetrahydrofuran	mg/kg	NS	NS	NA	< 4.1	< 0.94	< 1.6	< 0.96	< 1.2	< 0.81	< 0.91
Toluene	mg/kg	107	305	NA	< 1	**0.018 J**	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Trichloroethene	mg/kg	29	46	NA	< 1	< 0.24	< 0.39	< 0.24	**0.016 J**	< 0.2	< 0.23
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Vinyl chloride	mg/kg	0.8	2.2	NA	< 1***	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
m-Xylene & p-Xylene*	mg/kg	45	130	NA	**4.8**	**0.035 J**	< 0.79	< 0.48	< 0.58	< 0.4	< 0.46
Xylene, -o*	mg/kg	45	130	NA	< 1	< 0.24	< 0.39	< 0.24	< 0.29	< 0.2	< 0.23
Total Xylenes*	mg/kg	45	130	NA	**4.8**	**0.035 J**	ND	ND	ND	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	**1.5 J**	**0.043 J**	**0.23 J**	**0.035 J**	< 0.41	NA	NA
2-Methylphenol	mg/kg	75	352	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	< 1.9	< 0.92	< 0.43	< 0.38	< 0.41	NA	NA
Acenaphthylene	mg/kg	NS	NS	NA	< 1.9	< 0.92	< 0.43	< 0.38	< 0.41	NA	NA
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	**0.028 J**	**0.025 J**	< 0.43	< 0.38	< 0.41	NA	NA
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 1.9	**0.029 J**	< 0.43	**0.018 J**	< 0.41	NA	NA
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.054 J**	**0.032 J**	< 0.43	< 0.38	< 0.41	NA	NA
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	**0.045 J**	**0.03 J**	< 0.43	**0.0084 J**	< 0.41	NA	NA

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	4	4	4	4	4	4
Feature Number					16	152	152	152	12 and 47	21 and 27	21 and 27
Feature Name					Former Gas/Spirits/Thinner USTs	Former Fuel Oil UST	Former Fuel Oil UST	Former Fuel Oil UST	Former Railroad Spurs and Former Coal Operations	1996 Glycol Release and Oil/Water Separator/Trench	1996 Glycol Release and Oil/Water Separator/Trench
Location ID		Tier 1	Tier 2	TCLP	ASB-159	ASB-135	ASB-135	ASB-135	ASB-162	ASB-168	ASB-168
Sample ID		Residential	Industrial	Criteria	ASB-159_5-7(20110902)	ASB-135_2-4(20110826)	ASB-135_6-8(20110826)	ASB-135_8-9(20110826)	ASB-162_1-3(20110906)	ASB-168_0-2(20110907)	ASB-168_4-6(20110907)
Sample Date	Unit	SRV	SRV		9/2/2011	8/26/2011	8/26/2011	8/26/2011	9/6/2011	9/7/2011	9/7/2011
Depth Interval					5 - 7	2 - 4	6 - 8	8 - 9	1 - 3	0 - 2	4 - 6
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.074 J**	**0.033 J**	< 0.43	< 0.38	< 0.41	NA	NA
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.036 J**	**0.018 J**	< 0.43	< 0.38	< 0.41	NA	NA
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	**0.069 J**	**0.038 J**	**0.0047 J**	< 0.38	< 0.41	NA	NA
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 1.9	< 0.92	< 0.43	< 0.38	< 0.41	NA	NA
Dibenzofuran	mg/kg	104	810	NA	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	**0.17 J**	**0.088 J**	**0.0088 J**	**0.021 J**	< 0.41	NA	NA
Fluorene	mg/kg	850	4120	NA	**0.025 J**	**0.013 J**	< 0.43	< 0.38	< 0.41	NA	NA
Hexachlorobenzene	mg/kg	5	9	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 1.9	**0.032 J**	< 0.43	**0.012 J**	< 0.41	NA	NA
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	**0.46 J**	**0.042 J**	**0.14 J**	**0.019 J**	**0.0094 J**	NA	NA
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	**0.08 J**	**0.065 J**	**0.011 J**	**0.014 J**	< 0.41	NA	NA
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	**0.14 J**	**0.073 J**	**0.0079 J**	**0.02 J**	< 0.41	NA	NA
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.06209**	**0.04188**	**0.000047**	**0.0096**	**0**	NA	NA

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					2	4	4	4	4	4	4
Feature Number					16	152	152	152	12 and 47	21 and 27	21 and 27
Feature Name					Former Gas/Spirits/Thinner USTs	Former Fuel Oil UST	Former Fuel Oil UST	Former Fuel Oil UST	Former Railroad Spurs and Former Coal Operations	1996 Glycol Release and Oil/Water Separator/Trench	1996 Glycol Release and Oil/Water Separator/Trench
Location ID		Tier 1	Tier 2	TCLP	ASB-159	ASB-135	ASB-135	ASB-135	ASB-162	ASB-168	ASB-168
Sample ID		Residential	Industrial	Criteria	ASB-159_5-7(20110902)	ASB-135_2-4(20110826)	ASB-135_6-8(20110826)	ASB-135_8-9(20110826)	ASB-162_1-3(20110906)	ASB-168_0-2(20110907)	ASB-168_4-6(20110907)
Sample Date	Unit	SRV	SRV		9/2/2011	8/26/2011	8/26/2011	8/26/2011	9/6/2011	9/7/2011	9/7/2011
Depth Interval					5 - 7	2 - 4	6 - 8	8 - 9	1 - 3	0 - 2	4 - 6
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	NA	NA	NA	NA	**3.3**	NA	NA
Barium	mg/kg	1100	18000	NA	NA	NA	NA	NA	**39**	NA	NA
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	NA	NA	NA	NA	< 0.23	NA	NA
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	NA	NA	NA	NA	**20**	NA	NA
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	NA	NA	NA	NA	**3.1**	NA	NA
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	NA	NA	NA	NA	< 0.12	NA	NA
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	NA	NA	NA	NA	< 0.58	NA	NA
Silver	mg/kg	160	1300	NA	NA	NA	NA	NA	< 0.58	NA	NA
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	< 0.041	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	**790 J**	**170**	**450**	**280**	NA	**1.4 J**	**3.9 J**
Diesel Range Organics	mg/kg	NS	NS	NA	**290**	**100**	**23**	**32**	**2 J**	**110**	**16**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**4**	**4**	**4**	**4**	**4**	**4**	**4**
Feature Number					**27**	**10**	**10**	**10**	**11**	**11**	**7**
Feature Name					**Oil/Water Seperator and Trench**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Disposal Area B**	**Former Disposal Area B**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-169**	**ASB-170**	**ASB-170**	**ASB-171**	**ASB-174**	**ASB-176**	**ASB-254**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-169_3-5(20110907)**	**ASB-170_0-2(20110907)**	**ASB-170_4-6(20110907)**	**ASB-171_1-3(20110907)**	**ASB-174_4-6(20110907)**	**ASB-176_8-10(20110908)**	**ASB-254_0-2(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/8/2011**	**10/29/2012**
Depth Interval					**3 - 5**	**0 - 2**	**4 - 6**	**1 - 3**	**4 - 6**	**8 - 10**	**0 - 2**
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.25	**0.024 J**	< 0.28	< 0.27	< 0.28	**440**	**0.4**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.5	< 0.5	< 0.56	< 0.54	< 0.57	< 42	< 0.57
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.25	**0.0079 J**	< 0.28	< 0.27	< 0.28	< 21***	**0.16 J**
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1	< 1	< 1.1	< 1.1	< 1.1	< 83	< 1.1
2-Chlorotoluene	mg/kg	436	436	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
2-Hexanone	mg/kg	NS	NS	NA	< 1	< 1	< 1.1	< 1.1	< 1.1	< 83	< 1.1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Acetone	mg/kg	340	1000	NA	< 1	< 1	< 1.1	< 1.1	< 1.1	< 83	< 1.1
Allyl chloride	mg/kg	NS	NS	NA	< 0.5	< 0.5	< 0.56	< 0.54	< 0.57	< 42	< 0.57
Benzene	mg/kg	6	10	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Bromobenzene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Bromochloromethane	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Bromodichloromethane	mg/kg	10	17	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Bromoform	mg/kg	370	650	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Bromomethane	mg/kg	0.7	2	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Butylbenzene	mg/kg	30	92	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	**13 J**	**0.064 J**
Carbon disulfide	mg/kg	65	190	NA	< 0.25	< 0.25	< 0.28	**0.053 J**	< 0.28	< 21	< 0.29
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Chlorobenzene	mg/kg	11	32	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Chlorodibromomethane	mg/kg	12	20	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Chloroethane	mg/kg	1000	3000	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Chloroform	mg/kg	2.5	4	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Chloromethane	mg/kg	8	23	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Cyclohexane	mg/kg	NS	NS	NA	< 0.5	< 0.5	< 0.56	< 0.54	< 0.57	**16 J**	< 0.57
Dibromomethane	mg/kg	260	1860	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.5	< 0.5	< 0.56	< 0.54	< 0.57	< 42	< 0.57
Diethyl ether	mg/kg	NS	NS	NA	< 0.5	< 0.5	< 0.56	< 0.54	< 0.57	< 42	< 0.57
Ethylbenzene	mg/kg	200	200	NA	< 0.25	**0.0096 J**	< 0.28	< 0.27	< 0.28	**43**	< 0.29
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	**28**	< 0.29

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**4**	**4**	**4**	**4**	**4**	**4**	**4**
Feature Number					**27**	**10**	**10**	**10**	**11**	**11**	**7**
Feature Name					**Oil/Water Seperator and Trench**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Disposal Area B**	**Former Disposal Area B**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-169**	**ASB-170**	**ASB-170**	**ASB-171**	**ASB-174**	**ASB-176**	**ASB-254**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-169_3-5(20110907)**	**ASB-170_0-2(20110907)**	**ASB-170_4-6(20110907)**	**ASB-171_1-3(20110907)**	**ASB-174_4-6(20110907)**	**ASB-176_8-10(20110908)**	**ASB-254_0-2(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/8/2011**	**10/29/2012**
Depth Interval					**3 - 5**	**0 - 2**	**4 - 6**	**1 - 3**	**4 - 6**	**8 - 10**	**0 - 2**
Methyl acetate	mg/kg	NS	NS	NA	< 0.5	< 0.5	**0.23 J**	< 0.54	**0.23 J**	< 42	**0.57**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1	< 1	< 1.1	< 1.1	< 1.1	< 83	< 1.1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1	< 1	< 1.1	< 1.1	< 1.1	< 83	< 1.1
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.5	**0.063 J**	< 0.56	< 0.54	< 0.57	**83**	< 0.57
Methylene chloride	mg/kg	97	158	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Naphthalene	mg/kg	10	28	NA	< 0.25	**0.15 J**	< 0.28	< 0.27	**0.012 J**	41	**0.054 J**
n-Propylbenzene	mg/kg	30	93	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	**29**	**0.045 J**
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	**16 J**	< 0.29
sec-Butylbenzene	mg/kg	25	70	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	**24**	**0.037 J**
Styrene	mg/kg	210	600	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Tert-butylbenzene	mg/kg	30	90	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Tetrachloroethene	mg/kg	72	131	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1	< 1	< 1.1	< 1.1	< 1.1	< 83	< 1.1
Toluene	mg/kg	107	305	NA	< 0.25	**0.027 J**	< 0.28	< 0.27	< 0.28	< 21	< 0.29
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Trichloroethene	mg/kg	29	46	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21	< 0.29
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.25	< 0.25	< 0.28	< 0.27	< 0.28	< 21***	< 0.29
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.5	**0.041 J**	< 0.56	< 0.54	< 0.57	< 42	**0.049 J**
Xylene, -o*	mg/kg	45	130	NA	< 0.25	**0.024 J**	< 0.28	< 0.27	< 0.28	< 21	**0.04 J**
Total Xylenes*	mg/kg	45	130	NA	ND	**0.065 J**	ND	ND	ND	ND	**0.089 J**
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2,4-Dichlorophenol	mg/kg	48	230	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2-Chlorophenol	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2-Methylnaphthalene	mg/kg	100	369	NA	< 3.5	**0.11 J**	< 0.41	**0.01 J**	NA	NA	< 1.6
2-Methylphenol	mg/kg	75	352	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
2-Nitroaniline	mg/kg	NS	NS	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
2-Nitrophenol	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
3-Nitroaniline	mg/kg	NS	NS	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
4-Chloroaniline	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
4-Nitroaniline	mg/kg	NS	NS	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
4-Nitrophenol	mg/kg	NS	NS	NA	< 17	< 8.6	< 2	< 4.7	NA	NA	< 7.8
Acenaphthene	mg/kg	1200	5260	NA	< 3.5	**0.44 J**	< 0.41	**0.11 J**	NA	NA	< 1.6
Acenaphthylene	mg/kg	NS	NS	NA	< 3.5	**0.02 J**	< 0.41	**0.038 J**	NA	NA	**0.02 J**
Acetophenone	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Anthracene	mg/kg	7880	45400	NA	**0.14 J**	**1 J**	**0.011 J**	**0.61 J**	NA	NA	**0.038 J**
Atrazine	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Benzaldehyde	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.19 J**	**1.6 J**	**0.014 J**	**0.45 J**	NA	NA	**0.12 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.35 J**	**2.8**	**0.022 J**	**1.3**	NA	NA	**0.086 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	**0.3 J**	**2.6**	**0.021 J**	**0.93 J**	NA	NA	**0.087 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**4**	**4**	**4**	**4**	**4**	**4**	**4**
Feature Number					**27**	**10**	**10**	**10**	**11**	**11**	**7**
Feature Name					**Oil/Water Seperator and Trench**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Disposal Area B**	**Former Disposal Area B**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-169**	**ASB-170**	**ASB-170**	**ASB-171**	**ASB-174**	**ASB-176**	**ASB-254**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-169_3-5(20110907)**	**ASB-170_0-2(20110907)**	**ASB-170_4-6(20110907)**	**ASB-171_1-3(20110907)**	**ASB-174_4-6(20110907)**	**ASB-176_8-10(20110908)**	**ASB-254_0-2(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/7/2011**	**9/8/2011**	**10/29/2012**
Depth Interval					**3 - 5**	**0 - 2**	**4 - 6**	**1 - 3**	**4 - 6**	**8 - 10**	**0 - 2**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.45 J**	**3.3**	**0.029 J**	**1.1**	NA	NA	**0.17 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.18 J**	**1 J**	**0.011 J**	**0.46 J**	NA	NA	**0.062 J**
Biphenyl	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 3.5***	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 3.5	**0.16 J**	**0.028 J**	< 0.96	NA	NA	**0.45 J**
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Caprolactam	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Carbazole	mg/kg	700	1310	NA	< 3.5	**0.48 J**	< 0.41	< 0.96	NA	NA	< 1.6
Chrysene	mg/kg	NS	NS	NA	**0.33 J**	**2.4**	**0.023 J**	**1.2**	NA	NA	**0.13 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 3.5	**0.53 J**	< 0.41	**0.15 J**	NA	NA	< 1.6
Dibenzofuran	mg/kg	104	810	NA	< 3.5	**0.21 J**	< 0.41	**0.04 J**	NA	NA	< 1.6
Dibutyl phthalate	mg/kg	2440	16300	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Diethyl phthalate	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Dimethyl phthalate	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Fluoranthene	mg/kg	1080	6800	NA	**0.91 J**	**5.9**	**0.066 J**	**2.9**	NA	NA	**0.17 J**
Fluorene	mg/kg	850	4120	NA	**0.043 J**	**0.37 J**	**0.0054 J**	**0.2 J**	NA	NA	< 1.6
Hexachlorobenzene	mg/kg	5	9	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Hexachlorobutadiene	mg/kg	6	37	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 17***	< 8.6***	< 2	< 4.7***	NA	NA	< 7.8***
Hexachloroethane	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.18 J**	**1.5 J**	**0.012 J**	**0.4 J**	NA	NA	< 1.6
Isophorone	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 4.2	< 2.1	< 0.5	< 1.2	NA	NA	< 2
Naphthalene	mg/kg	10	28	NA	< 3.5	**0.11 J**	< 0.41	< 0.96	NA	NA	< 1.6
Nitrobenzene	mg/kg	NS	NS	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 3.5***	< 1.8***	< 0.41	< 0.96***	NA	NA	< 1.6***
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Pentachlorophenol	mg/kg	80	120	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Phenanthrene	mg/kg	NS	NS	NA	**0.54 J**	**3.3**	**0.05 J**	**2**	NA	NA	**0.089 J**
Phenol	mg/kg	1500	20203	NA	< 3.5	< 1.8	< 0.41	< 0.96	NA	NA	< 1.6
Pyrene	mg/kg	890	5800	NA	**0.63 J**	**4.4**	**0.055 J**	**2.3**	NA	NA	**0.15 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.4193**	**3.7808**	**0.02863**	**1.352**	NA	NA	**0.1201**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					4	4	4	4	4	4	4
Feature Number					27	10	10	10	11	11	7
Feature Name					Oil/Water Seperator and Trench	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Disposal Area B	Former Disposal Area B	Railroad Spurs
Location ID		Tier 1	Tier 2	TCLP	ASB-169	ASB-170	ASB-170	ASB-171	ASB-174	ASB-176	ASB-254
Sample ID		Residential	Industrial	Criteria	ASB-169_3-5(20110907)	ASB-170_0-2(20110907)	ASB-170_4-6(20110907)	ASB-171_1-3(20110907)	ASB-174_4-6(20110907)	ASB-176_8-10(20110908)	ASB-254_0-2(20121029)
Sample Date	Unit	SRV	SRV		9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/8/2011	10/29/2012
Depth Interval					3 - 5	0 - 2	4 - 6	1 - 3	4 - 6	8 - 10	0 - 2
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	**3700**	**9700**	**7900**	**6900**	**8100**	NA
Antimony	mg/kg	12	100	NA	NA	< 1.4	< 1.2	< 1	< 0.97	**0.62 J**	NA
Arsenic	mg/kg	9	20	NA	**2.2**	**4.8**	**5.8**	**600**	**6.8**	**2.7**	**3.3**
Barium	mg/kg	1100	18000	NA	**21**	**57**	**55**	**92**	**29**	**83**	**93**
Beryllium	mg/kg	55	230	NA	NA	**0.28 J**	**0.64**	**0.43 J**	**0.59**	**0.23 J**	NA
Cadmium	mg/kg	25	200	NA	**0.045 J**	**0.19 J**	< 0.24	< 0.2	< 0.19	**0.15 J**	**0.71**
Calcium	mg/kg	NS	NS	NA	NA	**48000**	**37000**	**6000**	**21000**	**9200**	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**8.8**	**9.2**	**17**	**12**	**14**	**13**	**27 J**
Cobalt	mg/kg	600	2600	NA	NA	**4.4 J**	**14**	**8.5**	**11**	**8.3**	NA
Copper	mg/kg	100	9000	NA	NA	**13**	**12**	**11**	**170**	**10**	NA
Iron	mg/kg	9000	75000	NA	NA	**12000**	**17000**	**15000**	**15000**	**11000**	NA
Lead	mg/kg	300	700	NA	**6.6**	**53**	**4.5**	**6.2**	**5.3**	**6.4**	**39**
Magnesium	mg/kg	NS	NS	NA	NA	**24000**	**11000**	**1700**	**6900**	**3000**	NA
Manganese	mg/kg	3600	8100	NA	NA	**510**	**470**	**710**	**230**	**470**	NA
Mercury	mg/kg	0.5	1.5	NA	< 0.08	**0.051 J**	**0.021 J**	**0.062 J**	< 0.11	< 0.12	**0.06 J**
Nickel	mg/kg	560	2500	NA	NA	**10**	**23**	**15**	**21**	**15**	NA
Potassium	mg/kg	NS	NS	NA	NA	**680**	**4000**	**1500**	**3500**	**510 J**	NA
Selenium	mg/kg	160	1300	NA	< 0.49	< 0.49	< 0.59	**1**	< 0.48	< 0.57	< 0.45
Silver	mg/kg	160	1300	NA	< 0.49	< 0.49	< 0.59	< 0.51	< 0.48	< 0.57	**0.11 J**
Sodium	mg/kg	NS	NS	NA	NA	< 490	**220 J**	**470 J**	**220 J**	**86 J**	NA
Thallium	mg/kg	3	21	NA	NA	< 0.98	< 1.2	**0.57 J**	< 0.97	< 1.1	NA
Vanadium	mg/kg	30	250	NA	NA	**17**	**15**	**28**	**6.9**	**21**	NA
Zinc	mg/kg	8700	75000	NA	NA	**71**	**29**	**27**	**22**	**29**	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	< 0.035	< 0.041	< 0.038	NA	NA	< 0.041
Aroclor 1221	mg/kg	1.2	8	NA	NA	< 0.035	< 0.041	< 0.038	NA	NA	< 0.041
Aroclor 1232	mg/kg	1.2	8	NA	NA	< 0.035	< 0.041	< 0.038	NA	NA	< 0.041
Aroclor 1242	mg/kg	1.2	8	NA	NA	< 0.035	< 0.041	< 0.038	NA	NA	< 0.041
Aroclor 1248	mg/kg	1.2	8	NA	NA	< 0.035	< 0.041	< 0.038	NA	NA	< 0.041
Aroclor 1254	mg/kg	1.2	8	NA	NA	< 0.035	< 0.041	< 0.038	NA	NA	< 0.041
Aroclor 1260	mg/kg	1.2	8	NA	NA	**0.06**	< 0.041	< 0.038	NA	NA	< 0.041
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	**2.4 J**	**1.8 J**	< 13	**4200**	NA
Diesel Range Organics	mg/kg	NS	NS	NA	**68**	NA	**8.2 J**	**8.2 J**	< 9.4	**500 J**	**70**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**4**	**4**	**4**	**5**	**5**	**6**	**6**
Feature Number					**7**	**7**	**7**	**1**	**1**	**9**	**1**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Former Test Track**	**Former Test Track**	**Former Disposal Area A**	**Former Test Track**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-254**	**ASB-255**	**ASB-255**	**ASB-144**	**ASB-187**	**ASB-177**	**ASB-178**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-254_4-5(20121029)**	**ASB-255_0-2(20121029)**	**ASB-255_8-8.5(20121029)**	**ASB-144_2-4(20110830)**	**ASB-187_2-4(20110909)**	**ASB-177_4-6(20110908)**	**ASB-178_0-2(20110908)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**	**10/29/2012**	**8/30/2011**	**9/9/2011**	**9/8/2011**	**9/8/2011**
Depth Interval					**4 - 5**	**0 - 2**	**8 - 8.5**	**2 - 4**	**2 - 4**	**4 - 6**	**0 - 2**
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.011 J**	**0.48**	< 0.31	< 0.28	< 0.26	**0.013 J**	< 0.29
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.52	< 0.56	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.26	**0.15 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.2
2-Chlorotoluene	mg/kg	436	436	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
2-Hexanone	mg/kg	NS	NS	NA	< 1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.2
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Acetone	mg/kg	340	1000	NA	< 1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.2
Allyl chloride	mg/kg	NS	NS	NA	< 0.52	< 0.56	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
Benzene	mg/kg	6	10	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Bromobenzene	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Bromochloromethane	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Bromodichloromethane	mg/kg	10	17	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Bromoform	mg/kg	370	650	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Bromomethane	mg/kg	0.7	2	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Butylbenzene	mg/kg	30	92	NA	< 0.26	**0.064 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Carbon disulfide	mg/kg	65	190	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.26	< 0.28	< 0.31***	< 0.28	< 0.26	< 0.27	< 0.29
Chlorobenzene	mg/kg	11	32	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Chlorodibromomethane	mg/kg	12	20	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Chloroethane	mg/kg	1000	3000	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Chloroform	mg/kg	2.5	4	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Chloromethane	mg/kg	8	23	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Cyclohexane	mg/kg	NS	NS	NA	< 0.52	**0.34 J**	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
Dibromomethane	mg/kg	260	1860	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.52	< 0.56	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
Diethyl ether	mg/kg	NS	NS	NA	< 0.52	< 0.56	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
Ethylbenzene	mg/kg	200	200	NA	< 0.26	**0.31**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.26	< 0.28	< 0.31***	< 0.28	< 0.26	< 0.27	< 0.29
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.26	**0.073 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**4**	**4**	**4**	**5**	**5**	**6**	**6**
Feature Number					**7**	**7**	**7**	**1**	**1**	**9**	**1**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Former Test Track**	**Former Test Track**	**Former Disposal Area A**	**Former Test Track**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-254**	**ASB-255**	**ASB-255**	**ASB-144**	**ASB-187**	**ASB-177**	**ASB-178**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-254_4-5(20121029)**	**ASB-255_0-2(20121029)**	**ASB-255_8-8.5(20121029)**	**ASB-144_2-4(20110830)**	**ASB-187_2-4(20110909)**	**ASB-177_4-6(20110908)**	**ASB-178_0-2(20110908)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**	**10/29/2012**	**8/30/2011**	**9/9/2011**	**9/8/2011**	**9/8/2011**
Depth Interval					**4 - 5**	**0 - 2**	**8 - 8.5**	**2 - 4**	**2 - 4**	**4 - 6**	**0 - 2**
Methyl acetate	mg/kg	NS	NS	NA	**0.041 J**	**0.11 J**	< 0.61	**0.031 J**	< 0.51	< 0.54	< 0.58
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.2
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.2
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.52	**1.3**	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
Methylene chloride	mg/kg	97	158	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Naphthalene	mg/kg	10	28	NA	**0.0095 J**	**0.48**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
n-Propylbenzene	mg/kg	30	93	NA	< 0.26	**0.17 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.26	**0.041 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
sec-Butylbenzene	mg/kg	25	70	NA	< 0.26	**0.029 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Styrene	mg/kg	210	600	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Tert-butylbenzene	mg/kg	30	90	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Tetrachloroethene	mg/kg	72	131	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.2
Toluene	mg/kg	107	305	NA	< 0.26	**0.091 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Trichloroethene	mg/kg	29	46	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.26	< 0.28	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.52	**0.29 J**	< 0.61	< 0.55	< 0.51	< 0.54	< 0.58
Xylene, -o*	mg/kg	45	130	NA	< 0.26	**0.17 J**	< 0.31	< 0.28	< 0.26	< 0.27	< 0.29
Total Xylenes*	mg/kg	45	130	NA	ND	**0.46 J**	ND	ND	ND	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8 R	NA	< 1.9
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.38	**0.97**	< 0.39	< 0.36	< 0.37	NA	< 0.39
2-Methylphenol	mg/kg	75	352	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8	NA	< 1.9
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8	NA	< 1.9
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8	NA	< 1.9
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8 R	NA	< 1.9
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8	NA	< 1.9
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8 R	NA	< 1.9
Acenaphthene	mg/kg	1200	5260	NA	< 0.38	**0.038 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Acenaphthylene	mg/kg	NS	NS	NA	< 0.38	**0.029 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Acetophenone	mg/kg	NS	NS	NA	< 0.38	**0.12 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Anthracene	mg/kg	7880	45400	NA	< 0.38	**0.098 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Atrazine	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Benzaldehyde	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.011 J**	**0.28 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.0094 J**	**0.18 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	**0.0085 J**	**0.22 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					4	4	4	5	5	6	6
Feature Number					7	7	7	1	1	9	1
Feature Name					Railroad Spurs	Railroad Spurs	Railroad Spurs	Former Test Track	Former Test Track	Former Disposal Area A	Former Test Track
Location ID		Tier 1	Tier 2	TCLP	ASB-254	ASB-255	ASB-255	ASB-144	ASB-187	ASB-177	ASB-178
Sample ID		Residential	Industrial	Criteria	ASB-254_4-5(20121029)	ASB-255_0-2(20121029)	ASB-255_8-8.5(20121029)	ASB-144_2-4(20110830)	ASB-187_2-4(20110909)	ASB-177_4-6(20110908)	ASB-178_0-2(20110908)
Sample Date	Unit	SRV	SRV		10/29/2012	10/29/2012	10/29/2012	8/30/2011	9/9/2011	9/8/2011	9/8/2011
Depth Interval					4 - 5	0 - 2	8 - 8.5	2 - 4	2 - 4	4 - 6	0 - 2
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.014 J**	**0.45**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.0055 J**	**0.11 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Biphenyl	mg/kg	NS	NS	NA	< 0.38	**0.054 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	**0.043 J**	**0.036 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Caprolactam	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Carbazole	mg/kg	700	1310	NA	< 0.38	**0.071 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Chrysene	mg/kg	NS	NS	NA	**0.012 J**	**0.27 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.38	**0.077 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Dibenzofuran	mg/kg	104	810	NA	< 0.38	**0.19 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.38	**0.021 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Diethyl phthalate	mg/kg	NS	NS	NA	**0.094 J**	< 0.34	**0.1 J**	< 0.36	< 0.37	NA	< 0.39
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Fluoranthene	mg/kg	1080	6800	NA	**0.018 J**	**0.32 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Fluorene	mg/kg	850	4120	NA	< 0.38	**0.022 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Hexachlorobenzene	mg/kg	5	9	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.9	< 1.7	< 1.9	< 1.8	< 1.8	NA	< 1.9
Hexachloroethane	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.38	**0.2 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Isophorone	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.46	< 0.42	< 0.47	< 0.44	< 0.45 R	NA	< 0.47
Naphthalene	mg/kg	10	28	NA	< 0.38	**0.66**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Nitrobenzene	mg/kg	NS	NS	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37	NA	< 0.39
Pentachlorophenol	mg/kg	80	120	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
Phenanthrene	mg/kg	NS	NS	NA	**0.0061 J**	**0.51**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Phenol	mg/kg	1500	20203	NA	< 0.38	< 0.34	< 0.39	< 0.36	< 0.37 R	NA	< 0.39
Pyrene	mg/kg	890	5800	NA	**0.016 J**	**0.27 J**	< 0.39	< 0.36	< 0.37	NA	< 0.39
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.01151**	**0.35982**	**0**	**0**	**0**	NA	**0**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**4**	**4**	**4**	**5**	**5**	**6**	**6**
Feature Number					**7**	**7**	**7**	**1**	**1**	**9**	**1**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Former Test Track**	**Former Test Track**	**Former Disposal Area A**	**Former Test Track**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-254**	**ASB-255**	**ASB-255**	**ASB-144**	**ASB-187**	**ASB-177**	**ASB-178**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-254_4-5(20121029)**	**ASB-255_0-2(20121029)**	**ASB-255_8-8.5(20121029)**	**ASB-144_2-4(20110830)**	**ASB-187_2-4(20110909)**	**ASB-177_4-6(20110908)**	**ASB-178_0-2(20110908)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**	**10/29/2012**	**8/30/2011**	**9/9/2011**	**9/8/2011**	**9/8/2011**
Depth Interval					**4 - 5**	**0 - 2**	**8 - 8.5**	**2 - 4**	**2 - 4**	**4 - 6**	**0 - 2**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	**3500**	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	< 0.98	NA
Arsenic	mg/kg	9	20	NA	**3.2**	**4.9**	**2.7**	**7.6**	**4.3**	**2.2**	**3.3**
Barium	mg/kg	1100	18000	NA	**46**	**67**	**22**	**120**	**54**	**29**	**22**
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	< 0.49	NA
Cadmium	mg/kg	25	200	NA	< 0.19	**0.56**	< 0.19	**0.28**	**0.094 J**	< 0.2	< 0.21
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	**37000**	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**18**	**6**	**17**	**9.1**	**11**	**9.2**	**15**
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	**5.7**	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	**9.5**	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	**9700**	NA
Lead	mg/kg	300	700	NA	**4.3**	**170**	**4.1**	**4.8**	**2.8**	**5.9**	**3**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	**9300**	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	**300**	NA
Mercury	mg/kg	0.5	1.5	NA	**0.021 J**	**0.023 J**	**0.026 J**	< 0.086	< 0.095	< 0.11	< 0.11
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	**12**	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	**910**	NA
Selenium	mg/kg	160	1300	NA	< 0.47	< 0.46	< 0.47	< 0.48	< 0.52	< 0.49	< 0.53
Silver	mg/kg	160	1300	NA	< 0.47	< 0.46	< 0.47	< 0.48	< 0.52	< 0.49	< 0.53
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	**100 J**	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	< 0.98	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	**13**	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	**19**	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Aroclor 1221	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Aroclor 1232	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Aroclor 1242	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Aroclor 1248	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Aroclor 1254	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Aroclor 1260	mg/kg	1.2	8	NA	NA	< 0.035	NA	< 0.036	< 0.037	NA	< 0.039
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	**3 J**	NA
Diesel Range Organics	mg/kg	NS	NS	NA	**2.6 J**	**67**	**5.9 J**	< 9.3	< 9.8	**20 J**	< 9.9 J

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	6	6	6
Feature Number					8	8	8	9	9	9	1
Feature Name					Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Disposal Area A	Former Disposal Area A	Former Disposal Area A	Former Test Track
Location ID		Tier 1	Tier 2	TCLP	ASB-179	ASB-180	ASB-180	ASB-181	ASB-182	ASB-183	ASB-184
Sample ID		Residential	Industrial	Criteria	ASB-179_0-2(20110908)	ASB-180_0-2(20110908)	ASB-180_2-4(20110908)	ASB-181_6-8(20110909)	ASB-182_2-4(20110909)	ASB-183_0-2(20110909)	ASB-184_2-4(20110909)
Sample Date	Unit	SRV	SRV		9/8/2011	9/8/2011	9/8/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Depth Interval					0 - 2	0 - 2	2 - 4	6 - 8	2 - 4	0 - 2	2 - 4
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.28	< 0.3	< 0.27	< 0.29	**170**	< 0.24	< 0.3
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.54	< 0.57	< 29	< 0.48	< 0.59
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.28	< 0.3	< 0.27	< 0.29	**37**	< 0.24	< 0.3
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.1	< 1.2	< 1.1	< 1.1	< 59	< 0.96	< 1.2
2-Chlorotoluene	mg/kg	436	436	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
2-Hexanone	mg/kg	NS	NS	NA	< 1.1	< 1.2	< 1.1	< 1.1	< 59	< 0.96	< 1.2
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Acetone	mg/kg	340	1000	NA	< 1.1	< 1.2	< 1.1	< 1.1	< 59	< 0.96	< 1.2
Allyl chloride	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.54	< 0.57	< 29	< 0.48	< 0.59
Benzene	mg/kg	6	10	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Bromobenzene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Bromochloromethane	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Bromodichloromethane	mg/kg	10	17	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Bromoform	mg/kg	370	650	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Bromomethane	mg/kg	0.7	2	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Butylbenzene	mg/kg	30	92	NA	< 0.28	< 0.3	< 0.27	< 0.29	**98**	< 0.24	< 0.3
Carbon disulfide	mg/kg	65	190	NA	< 0.28	< 0.3	< 0.27	**0.075 J**	< 15	< 0.24	**0.054 J**
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Chlorobenzene	mg/kg	11	32	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Chlorodibromomethane	mg/kg	12	20	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Chloroethane	mg/kg	1000	3000	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Chloroform	mg/kg	2.5	4	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Chloromethane	mg/kg	8	23	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.28	< 0.3	< 0.27	< 0.29	**2.6 J**	< 0.24	< 0.3
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Cyclohexane	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.54	< 0.57	< 29	< 0.48	< 0.59
Dibromomethane	mg/kg	260	1860	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.54	< 0.57	< 29	< 0.48	< 0.59
Diethyl ether	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.54	< 0.57	< 29	< 0.48	< 0.59
Ethylbenzene	mg/kg	200	200	NA	< 0.28	< 0.3	< 0.27	< 0.29	**120**	< 0.24	< 0.3
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.28	< 0.3	< 0.27	< 0.29	**5.5 J**	< 0.24	< 0.3

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	6	6	6
Feature Number					8	8	8	9	9	9	1
Feature Name					Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Disposal Area A	Former Disposal Area A	Former Disposal Area A	Former Test Track
Location ID		Tier 1	Tier 2	TCLP	ASB-179	ASB-180	ASB-180	ASB-181	ASB-182	ASB-183	ASB-184
Sample ID		Residential	Industrial	Criteria	ASB-179_0-2(20110908)	ASB-180_0-2(20110908)	ASB-180_2-4(20110908)	ASB-181_6-8(20110909)	ASB-182_2-4(20110909)	ASB-183_0-2(20110909)	ASB-184_2-4(20110909)
Sample Date	Unit	SRV	SRV		9/8/2011	9/8/2011	9/8/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Depth Interval					0 - 2	0 - 2	2 - 4	6 - 8	2 - 4	0 - 2	2 - 4
Methyl acetate	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.56	**0.5 J**	**3.4 J**	**0.073 J**	**0.42 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.1	< 1.2	< 1.1	< 1.1	< 59	< 0.96	< 1.2
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.1	< 1.2	< 1.1	< 1.1	< 59	< 0.96	< 1.2
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.56	< 0.6	< 0.54	< 0.57	**7.1 J**	< 0.48	< 0.59
Methylene chloride	mg/kg	97	158	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Naphthalene	mg/kg	10	28	NA	< 0.28	< 0.3	< 0.27	**0.029 J**	**380**	**0.01 J**	**0.029 J**
n-Propylbenzene	mg/kg	30	93	NA	< 0.28	< 0.3	< 0.27	< 0.29	**16**	< 0.24	< 0.3
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	**6.6 J**	< 0.24	< 0.3
sec-Butylbenzene	mg/kg	25	70	NA	< 0.28	< 0.3	< 0.27	< 0.29	**8.5 J**	< 0.24	< 0.3
Styrene	mg/kg	210	600	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Tert-butylbenzene	mg/kg	30	90	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Tetrachloroethene	mg/kg	72	131	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.1	< 1.2	< 1.1	< 1.1	< 59	< 0.96	< 1.2
Toluene	mg/kg	107	305	NA	< 0.28	< 0.3	< 0.27	< 0.29	**56**	< 0.24	< 0.3
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Trichloroethene	mg/kg	29	46	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15	< 0.24	< 0.3
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.28	< 0.3	< 0.27	< 0.29	< 15***	< 0.24	< 0.3
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.56	< 0.6	< 0.54	< 0.57	**340**	**0.0069 J**	< 0.59
Xylene, -o*	mg/kg	45	130	NA	< 0.28	< 0.3	< 0.27	< 0.29	**150**	< 0.24	< 0.3
Total Xylenes*	mg/kg	45	130	NA	ND	ND	ND	ND	**490**	**0.0069 J**	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.9	< 1.9 J	< 1.9	NA	NA	NA	< 2.2
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.021 J**
2-Methylphenol	mg/kg	75	352	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 1.9	< 1.9	NA	NA	NA	< 2.2
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.9	< 1.9	< 1.9	NA	NA	NA	< 2.2 J
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 1.9	< 1.9	NA	NA	NA	< 2.2
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.9	< 1.9	< 1.9	NA	NA	NA	< 2.2
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 1.9	< 1.9	NA	NA	NA	< 2.2
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.9	< 1.9 J	< 1.9	NA	NA	NA	< 2.2
Acenaphthene	mg/kg	1200	5260	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.058 J**
Acenaphthylene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Acetophenone	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Anthracene	mg/kg	7880	45400	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.13 J**
Atrazine	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Benzaldehyde	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.055 J**
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.12 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.22 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.17 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	6	6	6
Feature Number					8	8	8	9	9	9	1
Feature Name					Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Disposal Area A	Former Disposal Area A	Former Disposal Area A	Former Test Track
Location ID		Tier 1	Tier 2	TCLP	ASB-179	ASB-180	ASB-180	ASB-181	ASB-182	ASB-183	ASB-184
Sample ID		Residential	Industrial	Criteria	ASB-179_0-2(20110908)	ASB-180_0-2(20110908)	ASB-180_2-4(20110908)	ASB-181_6-8(20110909)	ASB-182_2-4(20110909)	ASB-183_0-2(20110909)	ASB-184_2-4(20110909)
Sample Date	Unit	SRV	SRV		9/8/2011	9/8/2011	9/8/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Depth Interval					0 - 2	0 - 2	2 - 4	6 - 8	2 - 4	0 - 2	2 - 4
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.21 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.097 J**
Biphenyl	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Caprolactam	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Carbazole	mg/kg	700	1310	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.039 J**
Chrysene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.2 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.023 J**
Dibenzofuran	mg/kg	104	810	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.037 J**
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Fluoranthene	mg/kg	1080	6800	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.5**
Fluorene	mg/kg	850	4120	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.078 J**
Hexachlorobenzene	mg/kg	5	9	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.9	< 1.9 J	< 1.9	NA	NA	NA	< 2.2*** J
Hexachloroethane	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.09 J**
Isophorone	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.48	< 0.48	< 0.48	NA	NA	NA	< 0.55
Naphthalene	mg/kg	10	28	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.038 J**
Nitrobenzene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Pentachlorophenol	mg/kg	80	120	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Phenanthrene	mg/kg	NS	NS	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.44 J**
Phenol	mg/kg	1500	20203	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	< 0.45
Pyrene	mg/kg	890	5800	NA	< 0.4	< 0.4	< 0.39	NA	NA	NA	**0.35 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0**	**0**	**0**	NA	NA	NA	**0.24658**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**6**	**6**	**6**	**6**	**6**	**6**	**6**
Feature Number					**8**	**8**	**8**	**9**	**9**	**9**	**1**
Feature Name					**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Disposal Area A**	**Former Disposal Area A**	**Former Disposal Area A**	**Former Test Track**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-179**	**ASB-180**	**ASB-180**	**ASB-181**	**ASB-182**	**ASB-183**	**ASB-184**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-179_0-2(20110908)**	**ASB-180_0-2(20110908)**	**ASB-180_2-4(20110908)**	**ASB-181_6-8(20110909)**	**ASB-182_2-4(20110909)**	**ASB-183_0-2(20110909)**	**ASB-184_2-4(20110909)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/8/2011**	**9/8/2011**	**9/8/2011**	**9/9/2011**	**9/9/2011**	**9/9/2011**	**9/9/2011**
Depth Interval					**0 - 2**	**0 - 2**	**2 - 4**	**6 - 8**	**2 - 4**	**0 - 2**	**2 - 4**
Metals											
Aluminum	mg/kg	30000	100000	NA	**8900**	**7700**	**7300**	**12000**	**8800**	**2400**	NA
Antimony	mg/kg	12	100	NA	< 0.89	< 1.2	< 1	**3.9**	**7.2 J**	< 1	NA
Arsenic	mg/kg	9	20	NA	**3.1**	**3.1**	**3**	**6.8**	**7.2**	**2.6**	**5.7**
Barium	mg/kg	1100	18000	NA	**26**	**24**	**21**	**130**	**900 J**	**19 J**	**96**
Beryllium	mg/kg	55	230	NA	**0.42 J**	**0.46 J**	**0.52**	**0.86**	**0.68**	**0.23 J**	NA
Cadmium	mg/kg	25	200	NA	< 0.18	< 0.23	< 0.21	**0.14 J**	**2.5**	**0.11 J**	**0.14 J**
Calcium	mg/kg	NS	NS	NA	**16000**	**16000**	**9200**	**4600**	**15000 J**	**110000**	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**18**	**15**	**14**	**19**	**86 J**	**5.5**	**16**
Cobalt	mg/kg	600	2600	NA	**9.2**	**11**	**12**	**18**	**13**	**3.9 J**	NA
Copper	mg/kg	100	9000	NA	**32**	**20**	**19**	**16**	**33**	**9.5**	NA
Iron	mg/kg	9000	75000	NA	**13000**	**14000**	**14000**	**21000**	**17000**	**10000**	NA
Lead	mg/kg	300	700	NA	**3**	**2.6**	**2.2**	**66**	**700**	**8.9**	**8.3**
Magnesium	mg/kg	NS	NS	NA	**5400**	**8200**	**6100**	**3700**	**5100**	**59000**	NA
Manganese	mg/kg	3600	8100	NA	**170**	**210**	**150**	**200**	**390**	**810**	NA
Mercury	mg/kg	0.5	1.5	NA	< 0.1	< 0.1	< 0.12	**0.052 J**	**0.042 J**	< 0.096	< 0.13
Nickel	mg/kg	560	2500	NA	**19**	**22**	**25**	**30**	**25**	**15**	NA
Potassium	mg/kg	NS	NS	NA	**3900**	**3800**	**4200**	**2500**	**3700**	**620**	NA
Selenium	mg/kg	160	1300	NA	< 0.44	< 0.58	< 0.52	**0.54 J**	**1.2**	< 0.51	**1.1**
Silver	mg/kg	160	1300	NA	< 0.44	< 0.58	< 0.52	< 0.6	< 0.6	**0.1 J**	< 0.64
Sodium	mg/kg	NS	NS	NA	**290 J**	**330 J**	**250 J**	**300 J**	**490 J**	**180 J**	NA
Thallium	mg/kg	3	21	NA	< 0.89	< 1.2	< 1	< 1.2	< 1.2	< 1	NA
Vanadium	mg/kg	30	250	NA	**10**	**8.2**	**5.4**	**27**	**10**	**15**	NA
Zinc	mg/kg	8700	75000	NA	**18**	**22**	**19**	**64**	**670**	**31**	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045 J
Aroclor 1221	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045
Aroclor 1232	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045
Aroclor 1242	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045
Aroclor 1248	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045
Aroclor 1254	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045
Aroclor 1260	mg/kg	1.2	8	NA	< 0.04	< 0.04	< 0.039	NA	NA	NA	< 0.045 J
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	< 12	< 11	< 12	**190**	**6200 J**	**2.1 J**	NA
Diesel Range Organics	mg/kg	NS	NS	NA	< 10 J	< 10 J	< 10 J	**56**	**3600 J**	**190**	**20**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	7	7	7
Feature Number					35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	152	152	10
Feature Name					Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Former Fuel Oil UST	Former Fuel Oil UST	Former Hazardous Waste Storage Area
Location ID		Tier 1	Tier 2	TCLP	ASB-185	ASB-185	ASB-186	ASB-186	ASB-163	ASB-163	ASB-165
Sample ID		Residential	Industrial	Criteria	ASB-185_0-2(20110909)	ASB-185_4-6(20110909)	ASB-186_0-2(20110909)	ASB-186_4-6(20110909)	ASB-163_2-4(20110906)	ASB-163_4-6(20110906)	ASB-165_0-2(20110906)
Sample Date	Unit	SRV	SRV		9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	2 - 4	4 - 6	0 - 2
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.64**	**0.22 J**	**0.0074 J**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.45	< 0.6	< 0.5	< 0.59	< 0.55	< 0.47	< 0.54
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.12 J**	**0.041 J**	< 0.27
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
1,3-Dichloropropane	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 0.9	< 1.2	< 1	< 1.2	< 1.1	< 0.93	< 1.1
2-Chlorotoluene	mg/kg	436	436	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
2-Hexanone	mg/kg	NS	NS	NA	< 0.9	< 1.2	< 1	< 1.2	< 1.1	< 0.93	< 1.1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Acetone	mg/kg	340	1000	NA	< 0.9	< 1.2	< 1	< 1.2	< 1.1	< 0.93	< 1.1
Allyl chloride	mg/kg	NS	NS	NA	< 0.45	< 0.6	< 0.5	< 0.59	< 0.55	< 0.47	< 0.54
Benzene	mg/kg	6	10	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Bromobenzene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Bromochloromethane	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Bromodichloromethane	mg/kg	10	17	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Bromoform	mg/kg	370	650	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Bromomethane	mg/kg	0.7	2	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Butylbenzene	mg/kg	30	92	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.6**	**0.039 J**	< 0.27
Carbon disulfide	mg/kg	65	190	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.06 J**	**0.043 J**	< 0.27
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Chlorobenzene	mg/kg	11	32	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Chlorodibromomethane	mg/kg	12	20	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Chloroethane	mg/kg	1000	3000	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Chloroform	mg/kg	2.5	4	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Chloromethane	mg/kg	8	23	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Cyclohexane	mg/kg	NS	NS	NA	< 0.45	< 0.6	< 0.5	< 0.59	< 0.55	< 0.47	< 0.54
Dibromomethane	mg/kg	260	1860	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.45	< 0.6	< 0.5	< 0.59	< 0.55	< 0.47	< 0.54
Diethyl ether	mg/kg	NS	NS	NA	< 0.45	< 0.6	< 0.5	< 0.59	< 0.55	< 0.47	< 0.54
Ethylbenzene	mg/kg	200	200	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.67**	**0.086 J**	< 0.27
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.19 J**	**0.014 J**	< 0.27

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	7	7	7
Feature Number					35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	152	152	10
Feature Name					Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Former Fuel Oil UST	Former Fuel Oil UST	Former Hazardous Waste Storage Area
Location ID		Tier 1	Tier 2	TCLP	ASB-185	ASB-185	ASB-186	ASB-186	ASB-163	ASB-163	ASB-165
Sample ID		Residential	Industrial	Criteria	ASB-185_0-2(20110909)	ASB-185_4-6(20110909)	ASB-186_0-2(20110909)	ASB-186_4-6(20110909)	ASB-163_2-4(20110906)	ASB-163_4-6(20110906)	ASB-165_0-2(20110906)
Sample Date	Unit	SRV	SRV		9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	2 - 4	4 - 6	0 - 2
Methyl acetate	mg/kg	NS	NS	NA	**0.047 J**	< 0.6	**0.5**	< 0.59	**0.39 J**	**0.071 J**	**0.086 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 0.9	< 1.2	< 1	< 1.2	< 1.1	< 0.93	< 1.1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 0.9	< 1.2	< 1	< 1.2	< 1.1	< 0.93	< 1.1
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.45	< 0.6	< 0.5	< 0.59	**0.13 J**	**0.015 J**	< 0.54
Methylene chloride	mg/kg	97	158	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Naphthalene	mg/kg	10	28	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.69**	**0.083 J**	< 0.27
n-Propylbenzene	mg/kg	30	93	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.47**	**0.04 J**	< 0.27
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.11 J**	**0.0085 J**	< 0.27
sec-Butylbenzene	mg/kg	25	70	NA	< 0.23	< 0.3	< 0.25	< 0.3	**0.17 J**	< 0.23	< 0.27
Styrene	mg/kg	210	600	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Tert-butylbenzene	mg/kg	30	90	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Tetrachloroethene	mg/kg	72	131	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Tetrahydrofuran	mg/kg	NS	NS	NA	< 0.9	< 1.2	< 1	< 1.2	< 1.1	< 0.93	< 1.1
Toluene	mg/kg	107	305	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Trichloroethene	mg/kg	29	46	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	< 0.23	< 0.27
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.45	< 0.6	< 0.5	< 0.59	**0.088 J**	**0.21 J**	< 0.54
Xylene, -o*	mg/kg	45	130	NA	< 0.23	< 0.3	< 0.25	< 0.3	< 0.28	**0.019 J**	< 0.27
Total Xylenes*	mg/kg	45	130	NA	ND	ND	ND	ND	**0.088 J**	**0.229 J**	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.35	< 0.42	< 0.34	< 0.42	**0.52**	**0.023 J**	**0.096 J**
2-Methylphenol	mg/kg	75	352	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6
Acenaphthene	mg/kg	1200	5260	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.21 J**
Acenaphthylene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.16 J**
Acetophenone	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Anthracene	mg/kg	7880	45400	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.54 J**
Atrazine	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Benzaldehyde	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.72 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**1.4 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**1.1 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	7	7	7
Feature Number					35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	152	152	10
Feature Name					Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Former Fuel Oil UST	Former Fuel Oil UST	Former Hazardous Waste Storage Area
Location ID		Tier 1	Tier 2	TCLP	ASB-185	ASB-185	ASB-186	ASB-186	ASB-163	ASB-163	ASB-165
Sample ID		Residential	Industrial	Criteria	ASB-185_0-2(20110909)	ASB-185_4-6(20110909)	ASB-186_0-2(20110909)	ASB-186_4-6(20110909)	ASB-163_2-4(20110906)	ASB-163_4-6(20110906)	ASB-165_0-2(20110906)
Sample Date	Unit	SRV	SRV		9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	2 - 4	4 - 6	0 - 2
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**1.4 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.58 J**
Biphenyl	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Caprolactam	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Carbazole	mg/kg	700	1310	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Chrysene	mg/kg	NS	NS	NA	**0.012 J**	< 0.42	< 0.34	< 0.42	**0.013 J**	**0.015 J**	**1.3 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.22 J**
Dibenzofuran	mg/kg	104	810	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	**0.12 J**
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Fluoranthene	mg/kg	1080	6800	NA	< 0.35	< 0.42	< 0.34	< 0.42	**0.022 J**	**0.02 J**	**2.7**
Fluorene	mg/kg	850	4120	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.28 J**
Hexachlorobenzene	mg/kg	5	9	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.7	< 2	< 1.7	< 2	NA	NA	< 9.6***
Hexachloroethane	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	< 0.42	< 0.35	**0.6 J**
Isophorone	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.43	< 0.51	< 0.42	< 0.51	NA	NA	< 2.4
Naphthalene	mg/kg	10	28	NA	< 0.35	< 0.42	< 0.34	< 0.42	**0.76**	**0.025 J**	**0.07 J**
Nitrobenzene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2***
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Pentachlorophenol	mg/kg	80	120	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Phenanthrene	mg/kg	NS	NS	NA	< 0.35	< 0.42	< 0.34	< 0.42	**0.015 J**	**0.021 J**	**1.9 J**
Phenol	mg/kg	1500	20203	NA	< 0.35	< 0.42	< 0.34	< 0.42	NA	NA	< 2
Pyrene	mg/kg	890	5800	NA	**0.014 J**	< 0.42	< 0.34	< 0.42	**0.015 J**	**0.019 J**	**2.1**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.00012**	**0**	**0**	**0**	**0.00013**	**0.00015**	**1.6342**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					6	6	6	6	7	7	7
Feature Number					35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	35, 36, 37, 46	152	152	10
Feature Name					Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Waste Solvent/Former Bulk Solvent USTs, Underground Piping/Sump	Former Fuel Oil UST	Former Fuel Oil UST	Former Hazardous Waste Storage Area
Location ID		Tier 1	Tier 2	TCLP	ASB-185	ASB-185	ASB-186	ASB-186	ASB-163	ASB-163	ASB-165
Sample ID		Residential	Industrial	Criteria	ASB-185_0-2(20110909)	ASB-185_4-6(20110909)	ASB-186_0-2(20110909)	ASB-186_4-6(20110909)	ASB-163_2-4(20110906)	ASB-163_4-6(20110906)	ASB-165_0-2(20110906)
Sample Date	Unit	SRV	SRV		9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	2 - 4	4 - 6	0 - 2
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	**2700**
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	**7.8**
Arsenic	mg/kg	9	20	NA	**3.2**	**4.5**	**2.8**	**4.7**	NA	NA	**97**
Barium	mg/kg	1100	18000	NA	**61**	**27**	**39**	**20 J**	NA	NA	**120**
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	< 0.53
Cadmium	mg/kg	25	200	NA	**0.066 J**	< 0.24	< 0.17	< 0.23	NA	NA	**0.62**
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	**41000**
Chromium**	mg/kg	87/44000	650/100000	NA	**8.9**	**19**	**14**	**15**	NA	NA	**14**
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	**3.7 J**
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	**17**
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	**14000**
Lead	mg/kg	300	700	NA	**4.4**	**2.6**	**2.7**	**2.7**	NA	NA	**83**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	**5800**
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	**300**
Mercury	mg/kg	0.5	1.5	NA	**0.02 J**	**0.023 J**	< 0.092	< 0.099	NA	NA	**0.074 J**
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	**9.1**
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	**500 J**
Selenium	mg/kg	160	1300	NA	< 0.52	< 0.61	< 0.43	< 0.57	NA	NA	**0.68**
Silver	mg/kg	160	1300	NA	< 0.52	< 0.61	< 0.43	< 0.57	NA	NA	**0.17 J**
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	**470 J**
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	< 1.1
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	**12**
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	**79**
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	NA	< 0.04
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	**82**	**9.4 J**	**2.2 J**
Diesel Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	**27**	**24**	**100**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**7**	**7**	**7**	**7**	**7**	**7**	
Feature Number					**10**	**10**	**10**	**10**	**11**	**11**	**11**	
Feature Name					**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Disposal Area B**	**Former Disposal Area B**	**Former Disposal Area B**	
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-166**	**ASB-167**	**ASB-167**	**ASB-167**	**ASB-172**	**ASB-173**	**ASB-175**	
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-166_2-4(20110906)**	**ASB-167_0-2(20110906)**	**ASB-167_6-8(20110906)**	**ASB-167_8-10(20110906)**	**ASB-172_1-3(20110907)**	**ASB-173_1-3(20110907)**	**ASB-175_4-6(20110908)**	
Sample Date	**Unit**	**SRV**	**SRV**		**9/6/2011**	**9/6/2011**	**9/6/2011**	**9/6/2011**	**9/7/2011**	**9/7/2011**	**9/8/2011**	
Depth Interval					**2 - 4**	**0 - 2**	**6 - 8**	**8 - 10**	**1 - 3**	**1 - 3**	**4 - 6**	
VOCs												
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1 J	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1 J	
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1 J	
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	**0.25**	**0.019 J**	< 0.3	< 3.3	**0.014 J**	< 0.27	< 1	
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.5	< 0.51	< 0.59	< 6.5	< 0.54	< 0.55	< 2 J	
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	**0.077 J**	< 0.26	< 0.3	< 3.3***	**0.0074 J**	< 0.27	< 1	
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1	< 1	< 1.2	< 13	< 1.1	< 1.1	< 4.1	
2-Chlorotoluene	mg/kg	436	436	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
2-Hexanone	mg/kg	NS	NS	NA	< 1	< 1	< 1.2	< 13	< 1.1	< 1.1	< 4.1 J	
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Acetone	mg/kg	340	1000	NA	< 1	< 1	< 1.2	< 13	< 1.1	< 1.1	< 4.1	
Allyl chloride	mg/kg	NS	NS	NA	< 0.5	< 0.51	< 0.59	< 6.5	< 0.54	< 0.55	< 2	
Benzene	mg/kg	6	10	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Bromobenzene	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Bromochloromethane	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Bromodichloromethane	mg/kg	10	17	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Bromoform	mg/kg	370	650	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Bromomethane	mg/kg	0.7	2	NA	< 0.25	< 0.26	< 0.3	< 3.3***	< 0.27	< 0.27	< 1***	
Butylbenzene	mg/kg	30	92	NA	< 0.25	< 0.26	< 0.3	**7.4 J**	< 0.27	< 0.27	**19**	
Carbon disulfide	mg/kg	65	190	NA	**0.048 J**	< 0.26	< 0.3	**0.6 J**	< 0.27	**0.052 J**	**0.2 J**	
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.25	< 0.26	< 0.3	< 3.3***	< 0.27	< 0.27	< 1***	
Chlorobenzene	mg/kg	11	32	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Chlorodibromomethane	mg/kg	12	20	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Chloroethane	mg/kg	1000	3000	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Chloroform	mg/kg	2.5	4	NA	< 0.25	< 0.26	< 0.3	< 3.3***	< 0.27	< 0.27	< 1	
Chloromethane	mg/kg	8	23	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Cyclohexane	mg/kg	NS	NS	NA	**0.062 J**	< 0.51	< 0.59	**6.3 J**	< 0.54	< 0.55	**0.43 J**	
Dibromomethane	mg/kg	260	1860	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.5	< 0.51	< 0.59	< 6.5	< 0.54	< 0.55	< 2	
Diethyl ether	mg/kg	NS	NS	NA	< 0.5	< 0.51	< 0.59	< 6.5	< 0.54	< 0.55	< 2	
Ethylbenzene	mg/kg	200	200	NA	**0.011 J**	< 0.26	< 0.3	**1.1 J**	< 0.27	< 0.27	< 1	
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.25	< 0.26	< 0.3	< 3.3***	< 0.27	< 0.27	< 1***	
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1	
Notes on Page 69.												
Isopropylbenzene	mg/kg	30	87	NA	**0.057 J**	< 0.26	**0.036 J**	**8.5 J**	< 0.27	< 0.27	**3.8**	

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Number					**10**	**10**	**10**	**10**	**11**	**11**	**11**
Feature Name					**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Hazardous Waste Storage Area**	**Former Disposal Area B**	**Former Disposal Area B**	**Former Disposal Area B**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-166**	**ASB-167**	**ASB-167**	**ASB-167**	**ASB-172**	**ASB-173**	**ASB-175**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-166_2-4(20110906)**	**ASB-167_0-2(20110906)**	**ASB-167_6-8(20110906)**	**ASB-167_8-10(20110906)**	**ASB-172_1-3(20110907)**	**ASB-173_1-3(20110907)**	**ASB-175_4-6(20110908)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/6/2011**	**9/6/2011**	**9/6/2011**	**9/6/2011**	**9/7/2011**	**9/7/2011**	**9/8/2011**
Depth Interval					**2 - 4**	**0 - 2**	**6 - 8**	**8 - 10**	**1 - 3**	**1 - 3**	**4 - 6**
Methyl acetate	mg/kg	NS	NS	NA	**0.14 J**	< 0.51	< 0.59	< 6.5	< 0.54	< 0.55	**0.86 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1	< 1	< 1.2	< 13	< 1.1	< 1.1	< 4.1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1	< 1	< 1.2	< 13	< 1.1	< 1.1	< 4.1
Methylcyclohexane	mg/kg	NS	NS	NA	**0.88**	**0.024 J**	**0.049 J**	**54 J**	< 0.54	< 0.55	**14**
Methylene chloride	mg/kg	97	158	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Naphthalene	mg/kg	10	28	NA	**2.1**	**0.097 J**	< 0.3	**1.2 J**	< 0.27	< 0.27	**14**
n-Propylbenzene	mg/kg	30	93	NA	**0.05 J**	< 0.26	< 0.3	**14 J**	< 0.27	< 0.27	**8.1**
p-Isopropyltoluene	mg/kg	NS	NS	NA	**0.079 J**	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	**2.1**
sec-Butylbenzene	mg/kg	25	70	NA	**0.11 J**	< 0.26	**0.017 J**	**7.6 J**	< 0.27	< 0.27	**9.9**
Styrene	mg/kg	210	600	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Tert-butylbenzene	mg/kg	30	90	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Tetrachloroethene	mg/kg	72	131	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1	< 1	< 1.2	< 13	< 1.1	< 1.1	< 4.1
Toluene	mg/kg	107	305	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Trichloroethene	mg/kg	29	46	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.25	< 0.26	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.25	< 0.26	< 0.3	< 3.3***	< 0.27	< 0.27	< 1***
m-Xylene & p-Xylene*	mg/kg	45	130	NA	**0.079 J**	**0.017 J**	< 0.59	< 6.5	**0.013 J**	< 0.55	< 2
Xylene, -o*	mg/kg	45	130	NA	< 0.25	**0.011 J**	< 0.3	< 3.3	< 0.27	< 0.27	< 1
Total Xylenes*	mg/kg	45	130	NA	**0.079 J**	**0.028 J**	ND	ND	**0.013 J**	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
2,4-Dichlorophenol	mg/kg	48	230	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 8.8	< 9.6	< 1.9	< 9.1	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NA	**0.44 J**	**0.16 J**	< 0.4	**1.4 J**	NA	NA	NA
2-Methylphenol	mg/kg	75	352	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	< 8.8	< 9.6	< 1.9	< 9.1 J	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 8.8	< 9.6	< 1.9	< 9.1	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	< 8.8	< 9.6	< 1.9	< 9.1 J	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 8.8	< 9.6	< 1.9	< 9.1	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	< 8.8	< 9.6	< 1.9	< 9.1 J	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	< 8.8	< 9.6	< 1.9	< 9.1	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	NA	**0.18 J**	< 2	< 0.4	**0.059 J**	NA	NA	NA
Acenaphthylene	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Acetophenone	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Anthracene	mg/kg	7880	45400	NA	**0.14 J**	**0.13 J**	< 0.4	**0.041 J**	NA	NA	NA
Atrazine	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.14 J**	< 2	< 0.4	< 1.9 J	NA	NA	NA
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.21 J**	**0.18 J**	< 0.4	< 1.9 J	NA	NA	NA
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	**0.2 J**	< 2	< 0.4	< 1.9 J	NA	NA	NA

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					7	7	7	7	7	7	7
Feature Number					10	10	10	10	11	11	11
Feature Name					Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Disposal Area B	Former Disposal Area B	Former Disposal Area B
Location ID		Tier 1	Tier 2	TCLP	ASB-166	ASB-167	ASB-167	ASB-167	ASB-172	ASB-173	ASB-175
Sample ID		Residential	Industrial	Criteria	ASB-166_2-4(20110906)	ASB-167_0-2(20110906)	ASB-167_6-8(20110906)	ASB-167_8-10(20110906)	ASB-172_1-3(20110907)	ASB-173_1-3(20110907)	ASB-175_4-6(20110908)
Sample Date	Unit	SRV	SRV		9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/7/2011	9/7/2011	9/8/2011
Depth Interval					2 - 4	0 - 2	6 - 8	8 - 10	1 - 3	1 - 3	4 - 6
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.29 J**	**0.16 J**	< 0.4	< 1.9 J	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.15 J**	**0.084 J**	< 0.4	< 1.9 J	NA	NA	NA
Biphenyl	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 1.8	< 2	**0.033 J**	< 1.9 J	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Carbazole	mg/kg	700	1310	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	**0.24 J**	**0.18 J**	< 0.4	< 1.9 J	NA	NA	NA
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Dibenzofuran	mg/kg	104	810	NA	**0.11 J**	**0.051 J**	< 0.4	< 1.9 J	NA	NA	NA
Dibutyl phthalate	mg/kg	2440	16300	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	NA	**0.42 J**	**0.39 J**	< 0.4	< 1.9 J	NA	NA	NA
Fluorene	mg/kg	850	4120	NA	**0.15 J**	**0.077 J**	< 0.4	**0.08 J**	NA	NA	NA
Hexachlorobenzene	mg/kg	5	9	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 8.8***	< 9.6***	< 1.9	< 9.1*** J	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.12 J**	< 2	< 0.4	< 1.9 J	NA	NA	NA
Isophorone	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 2.2	< 2.4	< 0.49	< 2.3	NA	NA	NA
Naphthalene	mg/kg	10	28	NA	**0.34 J**	**0.15 J**	< 0.4	**0.55 J**	NA	NA	NA
Nitrobenzene	mg/kg	NS	NS	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 1.8***	< 2***	< 0.4	< 1.9*** J	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 1.8	< 2	< 0.4	< 1.9 J	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	**0.61 J**	**0.39 J**	< 0.4	**0.15 J**	NA	NA	NA
Phenol	mg/kg	1500	20203	NA	< 1.8	< 2	< 0.4	< 1.9	NA	NA	NA
Pyrene	mg/kg	890	5800	NA	**0.36 J**	**0.28 J**	< 0.4	**0.061 J**	NA	NA	NA
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.2794**	**0.0442**	**0**	**0**	NA	NA	NA

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					7	7	7	7	7	7	7
Feature Number					10	10	10	10	11	11	11
Feature Name					Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Hazardous Waste Storage Area	Former Disposal Area B	Former Disposal Area B	Former Disposal Area B
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-166**	**ASB-167**	**ASB-167**	**ASB-167**	**ASB-172**	**ASB-173**	**ASB-175**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-166_2-4(20110906)**	**ASB-167_0-2(20110906)**	**ASB-167_6-8(20110906)**	**ASB-167_8-10(20110906)**	**ASB-172_1-3(20110907)**	**ASB-173_1-3(20110907)**	**ASB-175_4-6(20110908)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/6/2011**	**9/6/2011**	**9/6/2011**	**9/6/2011**	**9/7/2011**	**9/7/2011**	**9/8/2011**
Depth Interval					**2 - 4**	**0 - 2**	**6 - 8**	**8 - 10**	**1 - 3**	**1 - 3**	**4 - 6**
Metals											
Aluminum	mg/kg	30000	100000	NA	**2900**	**6600**	**6700**	**11000**	**4900**	**5000**	**2800**
Antimony	mg/kg	12	100	NA	**410**	**400**	**1.4**	< 1.4 J	**32**	< 1.3	**18 J**
Arsenic	mg/kg	9	20	NA	**4.5**	**8.1**	**7.2**	**4.4**	**6.5**	**4.6**	**7.7**
Barium	mg/kg	1100	18000	NA	**360**	**150**	**22 J**	**140**	**480**	**76**	**1100**
Beryllium	mg/kg	55	230	NA	< 0.46	**0.45 J**	**0.59**	**0.82**	**0.4 J**	**0.41 J**	< 0.59
Cadmium	mg/kg	25	200	NA	**44**	**19 J**	< 0.24	**0.16 J**	**1.3**	**0.16 J**	**0.77**
Calcium	mg/kg	NS	NS	NA	**38000**	**38000**	**11000**	**9000**	**34000**	**30000**	**16000**
Chromium**	mg/kg	87/44000	650/100000	NA	**140**	**25 J**	**13**	**16**	**16**	**12**	**19**
Cobalt	mg/kg	600	2600	NA	**2.1 J**	**7.6**	**13**	**8.4**	**6.2**	**8.6**	**2.6 J**
Copper	mg/kg	100	9000	NA	**20**	**19**	**14**	**18**	**40**	**15**	**73 J**
Iron	mg/kg	9000	75000	NA	**6800**	**17000**	**13000**	**14000**	**16000**	**14000**	**6600**
Lead	mg/kg	300	700	NA	**720**	**440**	**2.6**	**9.9**	**3000**	**39**	**1000**
Magnesium	mg/kg	NS	NS	NA	**3900**	**11000**	**5700**	**3900**	**12000**	**7400**	**4000**
Manganese	mg/kg	3600	8100	NA	**190**	**610**	**190**	**290**	**470**	**530**	**170**
Mercury	mg/kg	0.5	1.5	NA	**0.062 J**	**0.052 J**	**0.021 J**	< 0.14	**0.079 J**	**0.017 J**	**6.1**
Nickel	mg/kg	560	2500	NA	**5.7**	**17**	**24**	**18**	**15**	**17**	**6**
Potassium	mg/kg	NS	NS	NA	**340 J**	**870**	**3700**	**2000**	**1200**	**1100**	**490 J**
Selenium	mg/kg	160	1300	NA	**14**	**6.4**	< 0.59	**1.1**	**0.59**	< 0.54	**0.64**
Silver	mg/kg	160	1300	NA	< 0.46	**0.13 J**	< 0.59	< 0.71	< 0.51	< 0.54	< 0.59
Sodium	mg/kg	NS	NS	NA	**940**	**80 J**	**180 J**	**210 J**	**120 J**	< 540	**140 J**
Thallium	mg/kg	3	21	NA	< 0.93	< 1.1	< 1.2	< 1.4	< 1	< 1.1	**0.71 J**
Vanadium	mg/kg	30	250	NA	**9.6**	**27**	**6.8**	**21**	**16**	**16**	**8.5**
Zinc	mg/kg	8700	75000	NA	**190**	**75**	**21**	**35**	**400**	**40**	**390**
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	**0.0034 J**	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	< 0.036	< 0.04	< 0.04	< 0.047	NA	NA	NA
Aroclor 1221	mg/kg	1.2	8	NA	< 0.036	< 0.04	< 0.04	< 0.047	NA	NA	NA
Aroclor 1232	mg/kg	1.2	8	NA	< 0.036	< 0.04	< 0.04	< 0.047	NA	NA	NA
Aroclor 1242	mg/kg	1.2	8	NA	< 0.036	< 0.04	< 0.04	< 0.047	NA	NA	NA
Aroclor 1248	mg/kg	1.2	8	NA	< 0.036	**0.084**	< 0.04	< 0.047	NA	NA	NA
Aroclor 1254	mg/kg	1.2	8	NA	< 0.036	< 0.04	< 0.04	< 0.047	NA	NA	NA
Aroclor 1260	mg/kg	1.2	8	NA	< 0.036	**0.044**	< 0.04	< 0.047	NA	NA	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	**33**	**6.3 J**	**22**	**3000 J**	**2.9 J**	< 13	**5800**
Diesel Range Organics	mg/kg	NS	NS	NA	NA	**170**	**3.8 J**	**1300**	**52**	**25**	**2600 J**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Number					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-258**	**ASB-258**	**ASB-259**	**ASB-259**	**ASB-260**	**ASB-260**	**ASB-261**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-258_1-3(20121030)**	**ASB-258_6-7(20121030)**	**ASB-259_1-2(20121030)**	**ASB-259_4-6(20121030)**	**ASB-260_1-2(20121030)**	**ASB-260_7-8(20121030)**	**ASB-261_0.5-2(20121030)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**
Depth Interval					**1 - 3**	**6 - 7**	**1 - 2**	**4 - 6**	**1 - 2**	**7 - 8**	**.5 - 2**
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
1,3-Dichloropropane	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.1	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2
2-Chlorotoluene	mg/kg	436	436	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
2-Hexanone	mg/kg	NS	NS	NA	< 1.1	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Acetone	mg/kg	340	1000	NA	< 1.1	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2
Allyl chloride	mg/kg	NS	NS	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
Benzene	mg/kg	6	10	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Bromobenzene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Bromochloromethane	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Bromodichloromethane	mg/kg	10	17	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Bromoform	mg/kg	370	650	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Bromomethane	mg/kg	0.7	2	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Butylbenzene	mg/kg	30	92	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Carbon disulfide	mg/kg	65	190	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.28	< 0.34***	< 0.33***	< 0.33***	< 0.37***	< 0.31***	< 0.3
Chlorobenzene	mg/kg	11	32	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Chlorodibromomethane	mg/kg	12	20	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Chloroethane	mg/kg	1000	3000	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Chloroform	mg/kg	2.5	4	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Chloromethane	mg/kg	8	23	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Cyclohexane	mg/kg	NS	NS	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
Dibromomethane	mg/kg	260	1860	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
Diethyl ether	mg/kg	NS	NS	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
Ethylbenzene	mg/kg	200	200	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.28	< 0.34***	< 0.33***	< 0.33***	< 0.37***	< 0.31***	< 0.3
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Number					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-258**	**ASB-258**	**ASB-259**	**ASB-259**	**ASB-260**	**ASB-260**	**ASB-261**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-258_1-3(20121030)**	**ASB-258_6-7(20121030)**	**ASB-259_1-2(20121030)**	**ASB-259_4-6(20121030)**	**ASB-260_1-2(20121030)**	**ASB-260_7-8(20121030)**	**ASB-261_0.5-2(20121030)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**
Depth Interval					**1 - 3**	**6 - 7**	**1 - 2**	**4 - 6**	**1 - 2**	**7 - 8**	**.5 - 2**
Methyl acetate	mg/kg	NS	NS	NA	**0.064 J**	**0.14 J**	**0.04 J**	< 0.67	< 0.74	< 0.62	< 0.6
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.1	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.1	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
Methylene chloride	mg/kg	97	158	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Naphthalene	mg/kg	10	28	NA	< 0.28	< 0.34	**0.016 J**	< 0.33	< 0.37	< 0.31	< 0.3
n-Propylbenzene	mg/kg	30	93	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
sec-Butylbenzene	mg/kg	25	70	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Styrene	mg/kg	210	600	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Tert-butylbenzene	mg/kg	30	90	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Tetrachloroethene	mg/kg	72	131	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.1	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2
Toluene	mg/kg	107	305	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Trichloroethene	mg/kg	29	46	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.57	< 0.68	< 0.66	< 0.67	< 0.74	< 0.62	< 0.6
Xylene, -o*	mg/kg	45	130	NA	< 0.28	< 0.34	< 0.33	< 0.33	< 0.37	< 0.31	< 0.3
Total Xylenes*	mg/kg	45	130	NA	ND	ND	ND	ND	ND	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2-Methylnaphthalene	mg/kg	100	369	NA	**0.0077 J**	< 0.49	**0.026 J**	**0.0074 J**	< 0.46	< 0.42	< 0.41
2-Methylphenol	mg/kg	75	352	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.9	< 2.4	< 2.2	< 1.9	< 2.2	< 2	< 2
Acenaphthene	mg/kg	1200	5260	NA	**0.023 J**	< 0.49	**0.05 J**	< 0.4	< 0.46	< 0.42	**0.0076 J**
Acenaphthylene	mg/kg	NS	NS	NA	**0.0064 J**	< 0.49	**0.0088 J**	< 0.4	< 0.46	< 0.42	< 0.41
Acetophenone	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Anthracene	mg/kg	7880	45400	NA	**0.066 J**	< 0.49	**0.14 J**	< 0.4	< 0.46	< 0.42	**0.018 J**
Atrazine	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Benzaldehyde	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.091 J**	< 0.49	**0.1 J**	< 0.4	**0.011 J**	**0.011 J**	**0.023 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.15 J**	< 0.49	**0.27 J**	**0.0061 J**	**0.013 J**	**0.011 J**	**0.042 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	**0.12 J**	< 0.49	**0.19 J**	**0.0052 J**	**0.014 J**	**0.012 J**	**0.034 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Number					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-258**	**ASB-258**	**ASB-259**	**ASB-259**	**ASB-260**	**ASB-260**	**ASB-261**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-258_1-3(20121030)**	**ASB-258_6-7(20121030)**	**ASB-259_1-2(20121030)**	**ASB-259_4-6(20121030)**	**ASB-260_1-2(20121030)**	**ASB-260_7-8(20121030)**	**ASB-261_0.5-2(20121030)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**
Depth Interval					**1 - 3**	**6 - 7**	**1 - 2**	**4 - 6**	**1 - 2**	**7 - 8**	**.5 - 2**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.17 J**	< 0.49	**0.23 J**	**0.0054 J**	**0.013 J**	**0.018 J**	**0.042 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.086 J**	< 0.49	**0.12 J**	< 0.4	< 0.46	**0.0079 J**	**0.022 J**
Biphenyl	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	**0.039 J**	**0.036 J**	< 0.45	< 0.4	< 0.46	**0.03 J**	< 0.41
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Caprolactam	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Carbazole	mg/kg	700	1310	NA	< 0.38	< 0.49	**0.041 J**	< 0.4	< 0.46	< 0.42	< 0.41
Chrysene	mg/kg	NS	NS	NA	**0.18 J**	< 0.49	**0.25 J**	**0.0079 J**	**0.018 J**	**0.018 J**	**0.048 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	**0.028 J**	< 0.49	**0.031 J**	< 0.4	< 0.46	< 0.42	< 0.41
Dibenzofuran	mg/kg	104	810	NA	**0.014 J**	< 0.49	**0.022 J**	< 0.4	< 0.46	< 0.42	< 0.41
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Diethyl phthalate	mg/kg	NS	NS	NA	**0.031 J**	**0.062 J**	**0.035 J**	< 0.4	< 0.46	< 0.42	< 0.41
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Fluoranthene	mg/kg	1080	6800	NA	**0.32 J**	**0.012 J**	**0.56**	**0.01 J**	**0.022 J**	**0.025 J**	**0.092 J**
Fluorene	mg/kg	850	4120	NA	**0.026 J**	< 0.49	**0.053 J**	< 0.4	< 0.46	< 0.42	**0.0063 J**
Hexachlorobenzene	mg/kg	5	9	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.9	< 2.4***	< 2.2***	< 1.9	< 2.2***	< 2	< 2
Hexachloroethane	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.068 J**	< 0.49	**0.086 J**	< 0.4	**0.0079 J**	**0.0085 J**	**0.019 J**
Isophorone	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.46	< 0.59	< 0.55	< 0.48	< 0.56	< 0.51	< 0.5
Naphthalene	mg/kg	10	28	NA	**0.0079 J**	< 0.49	**0.014 J**	**0.0065 J**	< 0.46	**0.0066 J**	< 0.41
Nitrobenzene	mg/kg	NS	NS	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Pentachlorophenol	mg/kg	80	120	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Phenanthrene	mg/kg	NS	NS	NA	**0.22 J**	< 0.49	**0.51**	**0.011 J**	**0.011 J**	**0.013 J**	**0.07 J**
Phenol	mg/kg	1500	20203	NA	< 0.38	< 0.49	< 0.45	< 0.4	< 0.46	< 0.42	< 0.41
Pyrene	mg/kg	890	5800	NA	**0.26 J**	**0.01 J**	**0.44 J**	**0.0095 J**	**0.02 J**	**0.023 J**	**0.077 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.18488**	**0**	**0.28046**	**0.006429**	**0.01757**	**0.01672**	**0.04698**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Number					**7**	**7**	**7**	**7**	**7**	**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-258**	**ASB-258**	**ASB-259**	**ASB-259**	**ASB-260**	**ASB-260**	**ASB-261**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-258_1-3(20121030)**	**ASB-258_6-7(20121030)**	**ASB-259_1-2(20121030)**	**ASB-259_4-6(20121030)**	**ASB-260_1-2(20121030)**	**ASB-260_7-8(20121030)**	**ASB-261_0.5-2(20121030)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**	**10/30/2012**
Depth Interval					**1 - 3**	**6 - 7**	**1 - 2**	**4 - 6**	**1 - 2**	**7 - 8**	**.5 - 2**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	**30**	**3.9**	**120**	**5.5**	**30**	**270**	**650**
Barium	mg/kg	1100	18000	NA	**49**	**110**	**130**	**26**	**19 J**	**120**	**35**
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	**0.077 J**	**0.13 J**	**0.23 J**	< 0.25	< 0.26	< 0.19	**0.07 J**
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**15**	**23**	**13**	**21**	**7.3**	**14**	**8.4**
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**20**	**8.7**	**12**	**3.5**	**23**	**12**	**24**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	**0.046 J**	**0.049 J**	**0.16**	**0.034 J**	**0.12 J**	**0.038 J**	**0.17**
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.47	**0.87**	< 0.67	< 0.61	< 0.66	< 0.47	< 0.6
Silver	mg/kg	160	1300	NA	< 0.47	< 0.7	< 0.67	< 0.61	< 0.66	< 0.47	< 0.6
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Aroclor 1221	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Aroclor 1232	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Aroclor 1242	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Aroclor 1248	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Aroclor 1254	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Aroclor 1260	mg/kg	1.2	8	NA	< 0.039	NA	NA	< 0.041	< 0.047	NA	< 0.041
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	**9.9**	**2.7 J**	**14**	**1.8 J**	**6.7 J**	< 11	**2.8 J**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					7	9	9	9	9	9	9
Feature Number					7	5	5	5	5	7	7
Feature Name					Railroad Spurs	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Former Gas/Diesel Underground Piping	Railroad Spurs	Railroad Spurs
Location ID		Tier 1	Tier 2	TCLP	ASB-261	ASB-199	ASB-199	ASB-200	ASB-200	ASB-256	ASB-256
Sample ID		Residential	Industrial	Criteria	ASB-261_9-11(20121030)	ASB-199_0-2(20111104)	ASB-199_2-4(20111104)	ASB-200_0-2(20111104)	ASB-200_4-6(20111104)	ASB-256_3-4(20121029)	ASB-256_9-10(20121029)
Sample Date	Unit	SRV	SRV		10/30/2012	11/4/2011	11/4/2011	11/4/2011	11/4/2011	10/29/2012	10/29/2012
Depth Interval					9 - 11	0 - 2	2 - 4	0 - 2	4 - 6	3 - 4	9 - 10
VOCs											
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	**0.017 J**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.4	**0.088 J**	**0.082 J**	< 1	< 1.1	< 1.4	< 1
2-Chlorotoluene	mg/kg	436	436	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
2-Hexanone	mg/kg	NS	NS	NA	< 1.4	< 1	< 1.1	< 1	< 1.1	< 1.4	< 1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Acetone	mg/kg	340	1000	NA	< 1.4	< 1	< 1.1	< 1	< 1.1	< 1.4	< 1
Allyl chloride	mg/kg	NS	NS	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
Benzene	mg/kg	6	10	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Bromobenzene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Bromochloromethane	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Bromodichloromethane	mg/kg	10	17	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Bromoform	mg/kg	370	650	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Bromomethane	mg/kg	0.7	2	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Butylbenzene	mg/kg	30	92	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Carbon disulfide	mg/kg	65	190	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.34***	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34***	< 0.25
Chlorobenzene	mg/kg	11	32	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Chlorodibromomethane	mg/kg	12	20	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Chloroethane	mg/kg	1000	3000	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Chloroform	mg/kg	2.5	4	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Chloromethane	mg/kg	8	23	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Cyclohexane	mg/kg	NS	NS	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
Dibromomethane	mg/kg	260	1860	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
Diethyl ether	mg/kg	NS	NS	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
Ethylbenzene	mg/kg	200	200	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.34***	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34***	< 0.25
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Notes on Page 69.											
Isopropylbenzene	mg/kg	30	87	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**9**	**9**	**9**	**9**	**9**	**9**
Feature Number					**7**	**5**	**5**	**5**	**5**	**7**	**7**
Feature Name					**Railroad Spurs**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-261**	**ASB-199**	**ASB-199**	**ASB-200**	**ASB-200**	**ASB-256**	**ASB-256**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-261_9-11(20121030)**	**ASB-199_0-2(20111104)**	**ASB-199_2-4(20111104)**	**ASB-200_0-2(20111104)**	**ASB-200_4-6(20111104)**	**ASB-256_3-4(20121029)**	**ASB-256_9-10(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/30/2012**	**11/4/2011**	**11/4/2011**	**11/4/2011**	**11/4/2011**	**10/29/2012**	**10/29/2012**
Depth Interval					**9 - 11**	**0 - 2**	**2 - 4**	**0 - 2**	**4 - 6**	**3 - 4**	**9 - 10**
Methyl acetate	mg/kg	NS	NS	NA	**0.33 J**	**0.057 J**	**0.03 J**	**0.028 J**	< 0.54	< 0.68	**0.033 J**
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.4	< 1	< 1.1	< 1	< 1.1	< 1.4	< 1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.4	< 1	< 1.1	< 1	< 1.1	< 1.4	< 1
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
Methylene chloride	mg/kg	97	158	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Naphthalene	mg/kg	10	28	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	**0.0092 J**
n-Propylbenzene	mg/kg	30	93	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
sec-Butylbenzene	mg/kg	25	70	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Styrene	mg/kg	210	600	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Tert-butylbenzene	mg/kg	30	90	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Tetrachloroethene	mg/kg	72	131	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.4	< 1	< 1.1	< 1	< 1.1	< 1.4	< 1
Toluene	mg/kg	107	305	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Trichloroethene	mg/kg	29	46	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.68	< 0.52	< 0.55	< 0.5	< 0.54	< 0.68	< 0.51
Xylene, -o*	mg/kg	45	130	NA	< 0.34	< 0.26	< 0.27	< 0.25	< 0.27	< 0.34	< 0.25
Total Xylenes*	mg/kg	45	130	NA	ND	ND	ND	ND	ND	ND	ND
SVOCs											
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
2-Methylphenol	mg/kg	75	352	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
2-Nitroaniline	mg/kg	NS	NS	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
3-Nitroaniline	mg/kg	NS	NS	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
4-Nitroaniline	mg/kg	NS	NS	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
4-Nitrophenol	mg/kg	NS	NS	NA	< 2	NA	NA	NA	NA	< 2.1	< 1.9
Acenaphthene	mg/kg	1200	5260	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Acenaphthylene	mg/kg	NS	NS	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Acetophenone	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Anthracene	mg/kg	7880	45400	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	**0.0045 J**	**0.0046 J**
Atrazine	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Benzaldehyde	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.42	**0.02 J**	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.42	**0.019 J**	< 0.36	< 0.35	< 0.38	< 0.43	**0.0056 J**
Notes on Page 69.											
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.42	**0.021 J**	< 0.36	< 0.35	< 0.38	< 0.43	**0.0048 J**

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**9**	**9**	**9**	**9**	**9**	**9**
Feature Number					**7**	**5**	**5**	**5**	**5**	**7**	**7**
Feature Name					**Railroad Spurs**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-261**	**ASB-199**	**ASB-199**	**ASB-200**	**ASB-200**	**ASB-256**	**ASB-256**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-261_9-11(20121030)**	**ASB-199_0-2(20111104)**	**ASB-199_2-4(20111104)**	**ASB-200_0-2(20111104)**	**ASB-200_4-6(20111104)**	**ASB-256_3-4(20121029)**	**ASB-256_9-10(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/30/2012**	**11/4/2011**	**11/4/2011**	**11/4/2011**	**11/4/2011**	**10/29/2012**	**10/29/2012**
Depth Interval					**9 - 11**	**0 - 2**	**2 - 4**	**0 - 2**	**4 - 6**	**3 - 4**	**9 - 10**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.42	**0.034 J**	< 0.36	< 0.35	< 0.38	< 0.43	**0.013 J**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.42	**0.0049 J**	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Biphenyl	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Caprolactam	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Carbazole	mg/kg	700	1310	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Chrysene	mg/kg	NS	NS	NA	< 0.42	**0.024 J**	< 0.36	< 0.35	< 0.38	< 0.43	**0.01 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Dibenzofuran	mg/kg	104	810	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	**0.044 J**	< 0.39
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Fluoranthene	mg/kg	1080	6800	NA	< 0.42	**0.039 J**	< 0.36	< 0.35	< 0.38	**0.0065 J**	**0.011 J**
Fluorene	mg/kg	850	4120	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Hexachlorobenzene	mg/kg	5	9	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 2	NA	NA	NA	NA	< 2.1***	< 1.9
Hexachloroethane	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.42	**0.013 J**	< 0.36	< 0.35	< 0.38	< 0.43	**0.0055 J**
Isophorone	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.51	NA	NA	NA	NA	< 0.52	< 0.47
Naphthalene	mg/kg	10	28	NA	< 0.42	< 0.37	< 0.36	< 0.35	< 0.38	< 0.43	< 0.39
Nitrobenzene	mg/kg	NS	NS	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Pentachlorophenol	mg/kg	80	120	NA	< 0.42	NA	NA	NA	NA	< 0.43	< 0.39
Phenanthrene	mg/kg	NS	NS	NA	< 0.42	**0.014 J**	< 0.36	< 0.35	< 0.38	< 0.43	**0.0046 J**
Phenol	mg/kg	1500	20203	NA	**0.15 J**	NA	NA	NA	NA	< 0.43	< 0.39
Pyrene	mg/kg	890	5800	NA	< 0.42	**0.029 J**	< 0.36	< 0.35	< 0.38	**0.0058 J**	**0.01 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0**	**0.02833**	**0**	**0**	**0**	**0**	**0.00731**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**7**	**9**	**9**	**9**	**9**	**9**	**9**
Feature Number					**7**	**5**	**5**	**5**	**5**	**7**	**7**
Feature Name					**Railroad Spurs**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Former Gas/Diesel Underground Piping**	**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1 Residential**	**Tier 2 Industrial**	**TCLP**	**ASB-261**	**ASB-199**	**ASB-199**	**ASB-200**	**ASB-200**	**ASB-256**	**ASB-256**
Sample ID		**SRV**	**SRV**	**Criteria**	**ASB-261_9-11(20121030)**	**ASB-199_0-2(20111104)**	**ASB-199_2-4(20111104)**	**ASB-200_0-2(20111104)**	**ASB-200_4-6(20111104)**	**ASB-256_3-4(20121029)**	**ASB-256_9-10(20121029)**
Sample Date	**Unit**				**10/30/2012**	**11/4/2011**	**11/4/2011**	**11/4/2011**	**11/4/2011**	**10/29/2012**	**10/29/2012**
Depth Interval					**9 - 11**	**0 - 2**	**2 - 4**	**0 - 2**	**4 - 6**	**3 - 4**	**9 - 10**
Metals											
Aluminum	mg/kg	30000	100000	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	NA	**2.2**	NA	NA	NA	NA	**4**	**2.5**
Barium	mg/kg	1100	18000	NA	**150**	NA	NA	NA	NA	**90**	**57**
Beryllium	mg/kg	55	230	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	NA	**0.14 J**	NA	NA	NA	NA	< 0.22	< 0.2
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**19**	NA	NA	NA	NA	**17**	**15**
Cobalt	mg/kg	600	2600	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**9.1**	**9.8**	**2.8**	**1.9**	**3.5**	**7.1**	**5.5**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	**0.044 J**	NA	NA	NA	NA	**0.043 J**	**0.022 J**
Nickel	mg/kg	560	2500	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.58	NA	NA	NA	NA	< 0.55	< 0.49
Silver	mg/kg	160	1300	NA	< 0.58	NA	NA	NA	NA	< 0.55	< 0.49
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP											
Arsenic	mg/L	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
PCBs											
Aroclor 1016	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Aroclor 1221	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Aroclor 1232	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Aroclor 1242	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Aroclor 1248	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Aroclor 1254	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Aroclor 1260	mg/kg	1.2	8	NA	NA	NA	NA	NA	NA	< 0.044	NA
Other											
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	< 11	< 11	< 10	< 11	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	**3 J**	**4.3 J**	**2.3 J**	**2 J**	**2.1 J**	**2.4 J**	**37**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**9**	**9**
Feature Number					**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-257**	**ASB-257**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-257_1.5-2(20121029)**	**ASB-257_6-8(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**
Depth Interval					**1.5 - 2**	**6 - 8**
VOCs						
1,1,1,2-Tetrachloroethane	mg/kg	31	51	NA	< 0.3	< 0.33
1,1,1-Trichloroethane	mg/kg	140	472	NA	< 0.3	< 0.33
1,1,2,2-Tetrachloroethane	mg/kg	3.5	6.5	NA	< 0.3	< 0.33
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	3745	5430	NA	< 0.3	< 0.33
1,1,2-Trichloroethane	mg/kg	9	14	NA	< 0.3	< 0.33
1,1-Dichloroethane	mg/kg	34	55	NA	< 0.3	< 0.33
1,1-Dichloroethene	mg/kg	20	60	NA	< 0.3	< 0.33
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.3	< 0.33
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.3	< 0.33
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.3	< 0.33
1,2,4-Trichlorobenzene	mg/kg	200	985	NA	< 0.3	< 0.33
1,2,4-Trimethylbenzene	mg/kg	8	25	NA	< 0.3	< 0.33
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.6	< 0.66
1,2-Dichlorobenzene	mg/kg	26	75	NA	< 0.3	< 0.33
1,2-Dichloroethane	mg/kg	4	6	NA	< 0.3	< 0.33
1,2-Dichloropropane	mg/kg	4	6	NA	< 0.3	< 0.33
1,3,5-Trimethylbenzene	mg/kg	3	10	NA	< 0.3	< 0.33
1,3-Dichlorobenzene	mg/kg	26	200	NA	< 0.3	< 0.33
1,4-Dichlorobenzene	mg/kg	30	50	NA	< 0.3	< 0.33
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.3	< 0.33
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.3	< 0.33
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.2	< 1.3
2-Chlorotoluene	mg/kg	436	436	NA	< 0.3	< 0.33
2-Hexanone	mg/kg	NS	NS	NA	< 1.2	< 1.3
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.3	< 0.33
Acetone	mg/kg	340	1000	NA	< 1.2	< 1.3
Allyl chloride	mg/kg	NS	NS	NA	< 0.6	< 0.66
Benzene	mg/kg	6	10	NA	< 0.3	< 0.33
Bromobenzene	mg/kg	NS	NS	NA	< 0.3	< 0.33
Bromochloromethane	mg/kg	NS	NS	NA	< 0.3	< 0.33
Bromodichloromethane	mg/kg	10	17	NA	< 0.3	< 0.33
Bromoform	mg/kg	370	650	NA	< 0.3	< 0.33
Bromomethane	mg/kg	0.7	2	NA	< 0.3	< 0.33
Butylbenzene	mg/kg	30	92	NA	< 0.3	< 0.33
Carbon disulfide	mg/kg	65	190	NA	< 0.3	< 0.33
Carbon tetrachloride	mg/kg	0.3	0.9	NA	< 0.3	< 0.33***
Chlorobenzene	mg/kg	11	32	NA	< 0.3	< 0.33
Chlorodibromomethane	mg/kg	12	20	NA	< 0.3	< 0.33
Chloroethane	mg/kg	1000	3000	NA	< 0.3	< 0.33
Chloroform	mg/kg	2.5	4	NA	< 0.3	< 0.33
Chloromethane	mg/kg	8	23	NA	< 0.3	< 0.33
cis-1,2-Dichloroethene	mg/kg	8	22	NA	< 0.3	< 0.33
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.3	< 0.33
Cyclohexane	mg/kg	NS	NS	NA	< 0.6	< 0.66
Dibromomethane	mg/kg	260	1860	NA	< 0.3	< 0.33
Dichlorodifluoromethane (CFC-12)	mg/kg	16	50	NA	< 0.3	< 0.33
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.6	< 0.66
Diethyl ether	mg/kg	NS	NS	NA	< 0.6	< 0.66
Ethylbenzene	mg/kg	200	200	NA	< 0.3	< 0.33
Ethylene dibromide	mg/kg	0.3	0.5	NA	< 0.3	< 0.33***
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.3	< 0.33
Notes on Page 69.						
Isopropylbenzene	mg/kg	30	87	NA	< 0.3	< 0.33

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**9**	**9**
Feature Number					**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-257**	**ASB-257**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-257_1.5-2(20121029)**	**ASB-257_6-8(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**
Depth Interval					**1.5 - 2**	**6 - 8**
Methyl acetate	mg/kg	NS	NS	NA	**0.046 J**	< 0.66
Methyl isobutyl ketone	mg/kg	1700	9000	NA	< 1.2	< 1.3
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.2	< 1.3
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.6	< 0.66
Methylene chloride	mg/kg	97	158	NA	< 0.3	< 0.33
Naphthalene	mg/kg	10	28	NA	**0.02 J**	< 0.33
n-Propylbenzene	mg/kg	30	93	NA	< 0.3	< 0.33
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.3	< 0.33
sec-Butylbenzene	mg/kg	25	70	NA	< 0.3	< 0.33
Styrene	mg/kg	210	600	NA	< 0.3	< 0.33
Tert-butylbenzene	mg/kg	30	90	NA	< 0.3	< 0.33
Tetrachloroethene	mg/kg	72	131	NA	< 0.3	< 0.33
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.2	< 1.3
Toluene	mg/kg	107	305	NA	< 0.3	< 0.33
trans-1,2-Dichloroethene	mg/kg	11	33	NA	< 0.3	< 0.33
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.3	< 0.33
Trichloroethene	mg/kg	29	46	NA	< 0.3	< 0.33
Trichlorofluoromethane (CFC-11)	mg/kg	67	195	NA	< 0.3	< 0.33
Vinyl chloride	mg/kg	0.8	2.2	NA	< 0.3	< 0.33
m-Xylene & p-Xylene*	mg/kg	45	130	NA	< 0.6	< 0.66
Xylene, -o*	mg/kg	45	130	NA	< 0.3	< 0.33
Total Xylenes*	mg/kg	45	130	NA	ND	ND
SVOCs						
2,4,5-Trichlorophenol	mg/kg	1920	10600	NA	< 0.39	< 0.42
2,4,6-Trichlorophenol	mg/kg	595	1060	NA	< 0.39	< 0.42
2,4-Dichlorophenol	mg/kg	48	230	NA	< 0.39	< 0.42
2,4-Dimethylphenol	mg/kg	390	1925	NA	< 0.39	< 0.42
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.9	< 2.1
2,4-Dinitrotoluene	mg/kg	50	355	NA	< 0.39	< 0.42
2,6-Dinitrotoluene	mg/kg	25	175	NA	< 0.39	< 0.42
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.39	< 0.42
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.39	< 0.42
2-Methylnaphthalene	mg/kg	100	369	NA	< 0.39	< 0.42
2-Methylphenol	mg/kg	75	352	NA	< 0.39	< 0.42
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2.1
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.39	< 0.42
3,3-Dichlorobenzidine	mg/kg	25	50	NA	< 1.9	< 2.1
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2.1
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.9	< 2.1
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.39	< 0.42
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.39	< 0.42
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.39	< 0.42
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.39	< 0.42
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.9	< 2.1
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.9	< 2.1
Acenaphthene	mg/kg	1200	5260	NA	< 0.39	< 0.42
Acenaphthylene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Acetophenone	mg/kg	NS	NS	NA	< 0.39	< 0.42
Anthracene	mg/kg	7880	45400	NA	< 0.39	< 0.42
Atrazine	mg/kg	NS	NS	NA	< 0.39	< 0.42
Benzaldehyde	mg/kg	NS	NS	NA	< 0.39	< 0.42
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Benzo(a)anthracene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Notes on Page 69.						
Benzo(a)pyrene	mg/kg	2	3	NA	< 0.39	< 0.42

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**9**	**9**
Feature Number					**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-257**	**ASB-257**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-257_1.5-2(20121029)**	**ASB-257_6-8(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**
Depth Interval					**1.5 - 2**	**6 - 8**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Biphenyl	mg/kg	NS	NS	NA	< 0.39	< 0.42
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.39	< 0.42
bis(2-Chloroethyl)ether	mg/kg	2.5	5	NA	< 0.39	< 0.42
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.39	< 0.42
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	NA	**0.027 J**	< 0.42
Butyl benzyl phthalate	mg/kg	580	3700	NA	< 0.39	< 0.42
Caprolactam	mg/kg	NS	NS	NA	< 0.39	< 0.42
Carbazole	mg/kg	700	1310	NA	< 0.39	< 0.42
Chrysene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Dibenzofuran	mg/kg	104	810	NA	< 0.39	< 0.42
Dibutyl phthalate	mg/kg	2440	16300	NA	< 0.39	< 0.42
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.39	< 0.42
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.39	< 0.42
di-n-Octyl phthalate	mg/kg	520	3700	NA	< 0.39	< 0.42
Fluoranthene	mg/kg	1080	6800	NA	**0.011 J**	< 0.42
Fluorene	mg/kg	850	4120	NA	< 0.39	< 0.42
Hexachlorobenzene	mg/kg	5	9	NA	< 0.39	< 0.42
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.39	< 0.42
Hexachlorocyclopentadiene	mg/kg	2	6	NA	< 1.9	< 2.1***
Hexachloroethane	mg/kg	NS	NS	NA	< 0.39	< 0.42
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	< 0.39	< 0.42
Isophorone	mg/kg	NS	NS	NA	< 0.39	< 0.42
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.48	< 0.51
Naphthalene	mg/kg	10	28	NA	< 0.39	< 0.42
Nitrobenzene	mg/kg	NS	NS	NA	< 0.39	< 0.42
n-Nitrosodi-n-propylamine	mg/kg	0.7	1.2	NA	< 0.39	< 0.42
N-Nitrosodiphenylamine	mg/kg	1950	3720	NA	< 0.39	< 0.42
Pentachlorophenol	mg/kg	80	120	NA	< 0.39	< 0.42
Phenanthrene	mg/kg	NS	NS	NA	**0.0064 J**	< 0.42
Phenol	mg/kg	1500	20203	NA	< 0.39	< 0.42
Pyrene	mg/kg	890	5800	NA	**0.009 J**	< 0.42
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0**	**0**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**9**	**9**
Feature Number					**7**	**7**
Feature Name					**Railroad Spurs**	**Railroad Spurs**
Location ID		**Tier 1**	**Tier 2**	**TCLP**	**ASB-257**	**ASB-257**
Sample ID		**Residential**	**Industrial**	**Criteria**	**ASB-257_1.5-2(20121029)**	**ASB-257_6-8(20121029)**
Sample Date	**Unit**	**SRV**	**SRV**		**10/29/2012**	**10/29/2012**
Depth Interval					**1.5 - 2**	**6 - 8**
Metals						
Aluminum	mg/kg	30000	100000	NA	NA	NA
Antimony	mg/kg	12	100	NA	NA	NA
Arsenic	mg/kg	9	20	NA	**3.6**	**3.2**
Barium	mg/kg	1100	18000	NA	**77**	**33**
Beryllium	mg/kg	55	230	NA	NA	NA
Cadmium	mg/kg	25	200	NA	< 0.22	< 0.21
Calcium	mg/kg	NS	NS	NA	NA	NA
Chromium**	mg/kg	87/44000	650/100000	NA	**15**	**20**
Cobalt	mg/kg	600	2600	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA
Iron	mg/kg	9000	75000	NA	NA	NA
Lead	mg/kg	300	700	NA	**6.9**	**4.8**
Magnesium	mg/kg	NS	NS	NA	NA	NA
Manganese	mg/kg	3600	8100	NA	NA	NA
Mercury	mg/kg	0.5	1.5	NA	**0.035 J**	**0.038 J**
Nickel	mg/kg	560	2500	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA
Selenium	mg/kg	160	1300	NA	< 0.55	< 0.54
Silver	mg/kg	160	1300	NA	< 0.55	< 0.54
Sodium	mg/kg	NS	NS	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA
Vanadium	mg/kg	30	250	NA	NA	NA
Zinc	mg/kg	8700	75000	NA	NA	NA
Metals-TCLP						
Arsenic	mg/L	NA	NA	5	NA	NA
PCBs						
Aroclor 1016	mg/kg	1.2	8	NA	< 0.039	NA
Aroclor 1221	mg/kg	1.2	8	NA	< 0.039	NA
Aroclor 1232	mg/kg	1.2	8	NA	< 0.039	NA
Aroclor 1242	mg/kg	1.2	8	NA	< 0.039	NA
Aroclor 1248	mg/kg	1.2	8	NA	< 0.039	NA
Aroclor 1254	mg/kg	1.2	8	NA	< 0.039	NA
Aroclor 1260	mg/kg	1.2	8	NA	< 0.039	NA
Other						
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	**8.6 J**	**3.8 J**

Notes on Page 69.

Table 6A. Summary of Detected Constituents in Group A Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Acronyms & Abbreviations:

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area
Location ID		Tier 2	Tier 2	TCLP	ASB-188	ASB-188	ASB-189	ASB-189	ASB-190	ASB-190
Sample ID		Recreational	Industrial	Criteria	ASB-188_0-2(20110912)	ASB-188_4-6(20110912)	ASB-189_0-2(20110912)	ASB-189_4-6(20110912)	ASB-190_0-2(20110912)	ASB-190_8-10(20110912)
Sample Date	Unit	SRV	SRV		9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	8 - 10
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	83	51	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	280	472	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	4	6.5	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	5430	5430	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	24	14	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	97	55	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	50	60	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	290	985	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	20	25	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	63	75	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	10	6	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	11	6	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	8	10	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	32	200	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	72	50	NA	NA	NA	NA	NA	NA	NA
1.3-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Acetone	mg/kg	850	1000	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	14	10	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	28	17	NA	NA	NA	NA	NA	NA	NA
Bromoform	mg/kg	630	650	NA	NA	NA	NA	NA	NA	NA
Bromomethane	mg/kg	2	2	NA	NA	NA	NA	NA	NA	NA
Butylbenzene	mg/kg	70	92	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	mg/kg	160	190	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	0.7	0.9	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	23	32	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	mg/kg	30	20	NA	NA	NA	NA	NA	NA	NA
Chloroethane	mg/kg	2250	3000	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	7	4	NA	NA	NA	NA	NA	NA	NA
Chloromethane	mg/kg	20	23	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	19	22	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	mg/kg	316	1860	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	42	50	NA	NA	NA	NA	NA	NA	NA
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	200	200	NA	NA	NA	NA	NA	NA	NA
Ethylene dibromide	mg/kg	1	0.5	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	mg/kg	74	87	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone	mg/kg	2500	9000	NA	NA	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area
Location ID		Tier 2	Tier 2	TCLP	ASB-188	ASB-188	ASB-189	ASB-189	ASB-190	ASB-190
Sample ID		Recreational	Industrial	Criteria	ASB-188_0-2(20110912)	ASB-188_4-6(20110912)	ASB-189_0-2(20110912)	ASB-189_4-6(20110912)	ASB-190_0-2(20110912)	ASB-190_8-10(20110912)
Sample Date	Unit	SRV	SRV		9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	8 - 10
Notes on Page 13.										
Methylene chloride	mg/kg	270	158	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	24	28	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	70	93	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	55	70	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	500	600	NA	NA	NA	NA	NA	NA	NA
Tert-butylbenzene	mg/kg	55	90	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	145	131	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Toluene	mg/kg	260	305	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	28	33	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	82	46	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	mg/kg	168	195	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	2	2.2	NA	NA	NA	NA	NA	NA	NA
m-Xylene & p-Xylene*	mg/kg	130	130	NA	NA	NA	NA	NA	NA	NA
Xylene, -o*	mg/kg	130	130	NA	NA	NA	NA	NA	NA	NA
Total Xylenes*	mg/kg	130	130	NA	NA	NA	NA	NA	NA	NA
SVOCs										
2,4,5-Trichlorophenol	mg/kg	2212	10600	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	705	1060	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	61	230	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	530	1925	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	60	355	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	30	175	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	120	369	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	mg/kg	95	352	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	30	50	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	1860	5260	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	10000	45400	NA	NA	NA	NA	NA	NA	NA
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	2	3	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	6	5	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area
Location ID		Tier 2 Recreational SRV	Tier 2 Industrial SRV	TCLP Criteria	ASB-188	ASB-188	ASB-189	ASB-189	ASB-190	ASB-190
Sample ID					ASB-188_0-2(20110912)	ASB-188_4-6(20110912)	ASB-189_0-2(20110912)	ASB-189_4-6(20110912)	ASB-190_0-2(20110912)	ASB-190_8-10(20110912)
Sample Date	Unit				9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	8 - 10
Notes on Page 13.										
bis(2-Ethylhexyl)phthalate	mg/kg	690	2100	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	623	3700	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	720	1310	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	130	810	NA	NA	NA	NA	NA	NA	NA
Dibutyl phthalate	mg/kg	3070	16300	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
di-n-Octyl phthalate	mg/kg	630	3700	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	1290	6800	NA	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	1200	4120	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	8	9	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	5	6	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	24	28	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	1.2	1.2	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	2585	3720	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	1060	5800	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	NA	NA	NA	NA	NA	NA
Notes on Page 13.										

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area
Location ID		Tier 2	Tier 2	TCLP	ASB-188	ASB-188	ASB-189	ASB-189	ASB-190	ASB-190
Sample ID		Recreational	Industrial	Criteria	ASB-188_0-2(20110912)	ASB-188_4-6(20110912)	ASB-189_0-2(20110912)	ASB-189_4-6(20110912)	ASB-190_0-2(20110912)	ASB-190_8-10(20110912)
Sample Date	Unit	SRV	SRV		9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	8 - 10
Metals										
Aluminum	mg/kg	40000	100000	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	16	100	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	11	20	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	1100	18000	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	75	230	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	35	200	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	120/60000	650/100000	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/kg	800	2600	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	12000	75000	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**12**	**8.8**	**16**	**2.5**	**12**	**4.9**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	5000	8100	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	1.2	1.5	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/kg	800	2500	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	200	1300	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	200	1300	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	40	250	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	12000	75000	NA	NA	NA	NA	NA	NA	NA
Metals - TCLP										
Arsenic	mg/l	NA	NA	5	NA	NA	NA	NA	NA	NA
Lead	mg/l	NA	NA	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Other										
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA

Notes on Page 13.

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	153	154
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Fmr Coal Gasification Plant	Fmr Tar Decanter House
Location ID		Tier 2 Recreational SRV	Tier 2 Industrial SRV	TCLP Criteria	ASB-191	ASB-191	ASB-192	ASB-192	ASB-193	ASB-194
Sample ID					ASB-191_0-2(20110912)	ASB-191_4-6(20110912)	ASB-192_0-2(20110912)	ASB-192_4-6(20110912)	ASB-193_1-2(20110912)	ASB-194_10-12(20110912)
Sample Date	Unit				9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	1 - 2	10 - 12
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	83	51	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1,1-Trichloroethane	mg/kg	280	472	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1,2,2-Tetrachloroethane	mg/kg	4	6.5	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	5430	5430	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1,2-Trichloroethane	mg/kg	24	14	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1-Dichloroethane	mg/kg	97	55	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1-Dichloroethene	mg/kg	50	60	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,1-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,2,4-Trichlorobenzene	mg/kg	290	985	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,2,4-Trimethylbenzene	mg/kg	20	25	NA	NA	NA	NA	NA	< 0.3	**0.091 J**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.6	< 0.5
1,2-Dichlorobenzene	mg/kg	63	75	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,2-Dichloroethane	mg/kg	10	6	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,2-Dichloropropane	mg/kg	11	6	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,3,5-Trimethylbenzene	mg/kg	8	10	NA	NA	NA	NA	NA	< 0.3	**0.037 J**
1,3-Dichlorobenzene	mg/kg	32	200	NA	NA	NA	NA	NA	< 0.3	< 0.25
1,4-Dichlorobenzene	mg/kg	72	50	NA	NA	NA	NA	NA	< 0.3	< 0.25
1.3-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
2,2-Dichloropropane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
2-Butanone (MEK)	mg/kg	5500	19000	NA	NA	NA	NA	NA	< 1.2	< 1
2-Chlorotoluene	mg/kg	436	436	NA	NA	NA	NA	NA	< 0.3	< 0.25
2-Hexanone	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.2	< 1
4-Chlorotoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
Acetone	mg/kg	850	1000	NA	NA	NA	NA	NA	< 1.2	< 1
Allyl chloride	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.6	< 0.5
Benzene	mg/kg	14	10	NA	NA	NA	NA	NA	< 0.3	< 0.25
Bromobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
Bromochloromethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
Bromodichloromethane	mg/kg	28	17	NA	NA	NA	NA	NA	< 0.3	< 0.25
Bromoform	mg/kg	630	650	NA	NA	NA	NA	NA	< 0.3	< 0.25
Bromomethane	mg/kg	2	2	NA	NA	NA	NA	NA	< 0.3	< 0.25
Butylbenzene	mg/kg	70	92	NA	NA	NA	NA	NA	< 0.3	**0.087 J**
Carbon disulfide	mg/kg	160	190	NA	NA	NA	NA	NA	< 0.3	**0.055 J**
Carbon tetrachloride	mg/kg	0.7	0.9	NA	NA	NA	NA	NA	< 0.3	< 0.25
Chlorobenzene	mg/kg	23	32	NA	NA	NA	NA	NA	< 0.3	< 0.25
Chlorodibromomethane	mg/kg	30	20	NA	NA	NA	NA	NA	< 0.3	< 0.25
Chloroethane	mg/kg	2250	3000	NA	NA	NA	NA	NA	< 0.3	< 0.25
Chloroform	mg/kg	7	4	NA	NA	NA	NA	NA	< 0.3	< 0.25
Chloromethane	mg/kg	20	23	NA	NA	NA	NA	NA	< 0.3	< 0.25
cis-1,2-Dichloroethene	mg/kg	19	22	NA	NA	NA	NA	NA	< 0.3	< 0.25
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
Cyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.6	< 0.5
Dibromomethane	mg/kg	316	1860	NA	NA	NA	NA	NA	< 0.3	< 0.25
Dichlorodifluoromethane (CFC-12)	mg/kg	42	50	NA	NA	NA	NA	NA	< 0.3	< 0.25
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.6	< 0.5
Diethyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.6 J	< 0.5
Ethylbenzene	mg/kg	200	200	NA	NA	NA	NA	NA	< 0.3	**0.017 J**
Ethylene dibromide	mg/kg	1	0.5	NA	NA	NA	NA	NA	< 0.3	< 0.25
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	< 0.3	< 0.25
Isopropylbenzene	mg/kg	74	87	NA	NA	NA	NA	NA	< 0.3	**0.015 J**
Methyl acetate	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.91**	**0.6**
Methyl isobutyl ketone	mg/kg	2500	9000	NA	NA	NA	NA	NA	< 1.2	< 1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.2	< 1
Methylcyclohexane	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.018 J**	**0.093 J**

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	153	154
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Fmr Coal Gasification Plant	Fmr Tar Decanter House
Location ID		Tier 2 Recreational SRV	Tier 2 Industrial SRV	TCLP Criteria	ASB-191	ASB-191	ASB-192	ASB-192	ASB-193	ASB-194
Sample ID					ASB-191_0-2(20110912)	ASB-191_4-6(20110912)	ASB-192_0-2(20110912)	ASB-192_4-6(20110912)	ASB-193_1-2(20110912)	ASB-194_10-12(20110912)
Sample Date	Unit				9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	1 - 2	10 - 12
Notes on Page 13.										
Methylene chloride	mg/kg	270	158	NA	NA	NA	NA	NA	< 0.3	< 0.25
Naphthalene	mg/kg	24	28	NA	NA	NA	NA	NA	**0.038 J**	**0.27**
n-Propylbenzene	mg/kg	70	93	NA	NA	NA	NA	NA	< 0.3	**0.026 J**
p-Isopropyltoluene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	**0.032 J**
sec-Butylbenzene	mg/kg	55	70	NA	NA	NA	NA	NA	< 0.3	**0.045 J**
Styrene	mg/kg	500	600	NA	NA	NA	NA	NA	< 0.3	< 0.25
Tert-butylbenzene	mg/kg	55	90	NA	NA	NA	NA	NA	< 0.3	< 0.25
Tetrachloroethene	mg/kg	145	131	NA	NA	NA	NA	NA	< 0.3	< 0.25
Tetrahydrofuran	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.2	< 1
Toluene	mg/kg	260	305	NA	NA	NA	NA	NA	< 0.3	**0.035 J**
trans-1,2-Dichloroethene	mg/kg	28	33	NA	NA	NA	NA	NA	< 0.3	< 0.25
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.3	< 0.25
Trichloroethene	mg/kg	82	46	NA	NA	NA	NA	NA	< 0.3	< 0.25
Trichlorofluoromethane (CFC-11)	mg/kg	168	195	NA	NA	NA	NA	NA	< 0.3	< 0.25
Vinyl chloride	mg/kg	2	2.2	NA	NA	NA	NA	NA	< 0.3	< 0.25
m-Xylene & p-Xylene*	mg/kg	130	130	NA	NA	NA	NA	NA	**0.013 J**	**0.06 J**
Xylene, -o*	mg/kg	130	130	NA	NA	NA	NA	NA	< 0.3	**0.046 J**
Total Xylenes*	mg/kg	130	130	NA	NA	NA	NA	NA	**0.013 J**	**0.106 J**
SVOCs										
2,4,5-Trichlorophenol	mg/kg	2212	10600	NA	NA	NA	NA	NA	< 0.39	< 3.6
2,4,6-Trichlorophenol	mg/kg	705	1060	NA	NA	NA	NA	NA	< 0.39	< 3.6
2,4-Dichlorophenol	mg/kg	61	230	NA	NA	NA	NA	NA	< 0.39	< 3.6
2,4-Dimethylphenol	mg/kg	530	1925	NA	NA	NA	NA	NA	< 0.39	< 3.6
2,4-Dinitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.9	< 17
2,4-Dinitrotoluene	mg/kg	60	355	NA	NA	NA	NA	NA	< 0.39	< 3.6
2,6-Dinitrotoluene	mg/kg	30	175	NA	NA	NA	NA	NA	< 0.39	< 3.6
2-Chloronaphthalene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
2-Chlorophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
2-Methylnaphthalene	mg/kg	120	369	NA	NA	NA	NA	NA	**0.0045 J**	**0.34 J**
2-Methylphenol	mg/kg	95	352	NA	NA	NA	NA	NA	< 0.39	< 3.6
2-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.9	< 17
2-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
3,3-Dichlorobenzidine	mg/kg	30	50	NA	NA	NA	NA	NA	< 1.9	< 17
3-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.9	< 17
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.9	< 17
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
4-Chloroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
4-Nitroaniline	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.9	< 17
4-Nitrophenol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 1.9	< 17
Acenaphthene	mg/kg	1860	5260	NA	NA	NA	NA	NA	< 0.39	< 3.6
Acenaphthylene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Acetophenone	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Anthracene	mg/kg	10000	45400	NA	NA	NA	NA	NA	**0.0043 J**	< 3.6
Atrazine	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Benzaldehyde	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.024 J**	< 3.6
Benzo(a)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.026 J**	**0.17 J**
Benzo(a)pyrene	mg/kg	2	3	NA	NA	NA	NA	NA	**0.031 J**	**0.63 J**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.04 J**	< 3.6
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.015 J**	< 3.6
Biphenyl	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
bis(2-Chloroethyl)ether	mg/kg	6	5	NA	NA	NA	NA	NA	< 0.39	< 3.6
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	153	154
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Fmr Coal Gasification Plant	Fmr Tar Decanter House
Location ID		Tier 2 Recreational SRV	Tier 2 Industrial SRV	TCLP Criteria	ASB-191	ASB-191	ASB-192	ASB-192	ASB-193	ASB-194
Sample ID					ASB-191_0-2(20110912)	ASB-191_4-6(20110912)	ASB-192_0-2(20110912)	ASB-192_4-6(20110912)	ASB-193_1-2(20110912)	ASB-194_10-12(20110912)
Sample Date	Unit				9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	1 - 2	10 - 12
Notes on Page 13.										
bis(2-Ethylhexyl)phthalate	mg/kg	690	2100	NA	NA	NA	NA	NA	< 0.39	< 3.6
Butyl benzyl phthalate	mg/kg	623	3700	NA	NA	NA	NA	NA	< 0.39	< 3.6
Caprolactam	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Carbazole	mg/kg	720	1310	NA	NA	NA	NA	NA	< 0.39	< 3.6
Chrysene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.034 J**	**0.34 J**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Dibenzofuran	mg/kg	130	810	NA	NA	NA	NA	NA	< 0.39	< 3.6
Dibutyl phthalate	mg/kg	3070	16300	NA	NA	NA	NA	NA	< 0.39	< 3.6
Diethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Dimethyl phthalate	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
di-n-Octyl phthalate	mg/kg	630	3700	NA	NA	NA	NA	NA	< 0.39	< 3.6
Fluoranthene	mg/kg	1290	6800	NA	NA	NA	NA	NA	**0.055 J**	**0.16 J**
Fluorene	mg/kg	1200	4120	NA	NA	NA	NA	NA	< 0.39	**0.1 J**
Hexachlorobenzene	mg/kg	8	9	NA	NA	NA	NA	NA	< 0.39	< 3.6
Hexachlorobutadiene	mg/kg	6	37	NA	NA	NA	NA	NA	< 0.39	< 3.6
Hexachlorocyclopentadiene	mg/kg	5	6	NA	NA	NA	NA	NA	< 1.9	< 17***
Hexachloroethane	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.015 J**	< 3.6
Isophorone	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.47	< 4.3
Naphthalene	mg/kg	24	28	NA	NA	NA	NA	NA	**0.0051 J**	**0.08 J**
Nitrobenzene	mg/kg	NS	NS	NA	NA	NA	NA	NA	< 0.39	< 3.6
n-Nitrosodi-n-propylamine	mg/kg	1.2	1.2	NA	NA	NA	NA	NA	< 0.39	< 3.6***
N-Nitrosodiphenylamine	mg/kg	2585	3720	NA	NA	NA	NA	NA	< 0.39	< 3.6
Pentachlorophenol	mg/kg	80	120	NA	NA	NA	NA	NA	< 0.39	< 3.6
Phenanthrene	mg/kg	NS	NS	NA	NA	NA	NA	NA	**0.02 J**	**0.42 J**
Phenol	mg/kg	1500	20203	NA	NA	NA	NA	NA	< 0.39	< 3.6
Pyrene	mg/kg	1060	5800	NA	NA	NA	NA	NA	**0.046 J**	**0.79 J**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	NA	NA	NA	NA	**0.04094**	**0.6504**
Notes on Page 13.										

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					44, 134, 140	44, 134, 140	44, 134, 140	44, 134, 140	153	154
Feature Name					Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Waste Collection ASTs, WWT, Fmr Waste Disposal Area	Fmr Coal Gasification Plant	Fmr Tar Decanter House
Location ID		Tier 2 Recreational SRV	Tier 2 Industrial SRV	TCLP Criteria	ASB-191	ASB-191	ASB-192	ASB-192	ASB-193	ASB-194
Sample ID					ASB-191_0-2(20110912)	ASB-191_4-6(20110912)	ASB-192_0-2(20110912)	ASB-192_4-6(20110912)	ASB-193_1-2(20110912)	ASB-194_10-12(20110912)
Sample Date	Unit				9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Depth Interval					0 - 2	4 - 6	0 - 2	4 - 6	1 - 2	10 - 12
Metals										
Aluminum	mg/kg	40000	100000	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	16	100	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	11	20	NA	NA	NA	NA	NA	**3.9**	**3.1**
Barium	mg/kg	1100	18000	NA	NA	NA	NA	NA	**90**	**38**
Beryllium	mg/kg	75	230	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	35	200	NA	NA	NA	NA	NA	< 0.23	< 0.2
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	120/60000	650/100000	NA	NA	NA	NA	NA	**11**	**9.7**
Cobalt	mg/kg	800	2600	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	12000	75000	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	NA	**2.5**	**9.2**	**4.4**	**3.8**	**23**	**14**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	5000	8100	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	1.2	1.5	NA	NA	NA	NA	NA	**0.065 J**	< 0.092
Nickel	mg/kg	800	2500	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	200	1300	NA	NA	NA	NA	NA	< 0.59	< 0.5 J
Silver	mg/kg	200	1300	NA	NA	NA	NA	NA	< 0.59	< 0.5
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	40	250	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	12000	75000	NA	NA	NA	NA	NA	NA	NA
Metals - TCLP										
Arsenic	mg/l	NA	NA	5	NA	NA	NA	NA	NA	NA
Lead	mg/l	NA	NA	5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA
Other										
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	NA	NA	NA

Notes on Page 13.

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**11**	**11**	**11**	**11**	**11**	**11**
Feature Number					**154**	**153**	**153**	**42**	**42**	**42**
Feature Name					**Fmr Tar Decanter House**	**Fmr Coal Gasification Plant**	**Fmr Coal Gasification Plant**	**Former Fuel Oil ASTs**	**Former Fuel Oil ASTs**	**Former Fuel Oil ASTs**
Location ID		**Tier 2**	**Tier 2**	**TCLP**	**ASB-194**	**ASB-195**	**ASB-195**	**ASB-196**	**ASB-197**	**ASB-198**
Sample ID		**Recreational**	**Industrial**	**Criteria**	**ASB-194_13-15(20110912)**	**ASB-195_6-8(20110912)**	**ASB-195_8-10(20110912)**	**ASB-196_4-6(20111104)**	**ASB-197_4-6(20111104)**	**ASB-198_6-8(20111104)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/12/2011**	**9/12/2011**	**9/12/2011**	**11/4/2011**	**11/4/2011**	**11/4/2011**
Depth Interval					**13 - 15**	**6 - 8**	**8 - 10**	**4 - 6**	**4 - 6**	**6 - 8**
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	83	51	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1,1-Trichloroethane	mg/kg	280	472	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1,2,2-Tetrachloroethane	mg/kg	4	6.5	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/kg	5430	5430	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1,2-Trichloroethane	mg/kg	24	14	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1-Dichloroethane	mg/kg	97	55	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1-Dichloroethene	mg/kg	50	60	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,1-Dichloropropene	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,2,3-Trichlorobenzene	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,2,3-Trichloropropane	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,2,4-Trichlorobenzene	mg/kg	290	985	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,2,4-Trimethylbenzene	mg/kg	20	25	NA	< 0.33	**0.033 J**	**0.034 J**	**0.0097 J**	< 0.27	**0.02 J**
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NS	NS	NA	< 0.66	< 0.38	< 0.5	< 0.5	< 0.53	< 0.57
1,2-Dichlorobenzene	mg/kg	63	75	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,2-Dichloroethane	mg/kg	10	6	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,2-Dichloropropane	mg/kg	11	6	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,3,5-Trimethylbenzene	mg/kg	8	10	NA	< 0.33	**0.012 J**	**0.011 J**	< 0.25	< 0.27	< 0.28
1,3-Dichlorobenzene	mg/kg	32	200	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1,4-Dichlorobenzene	mg/kg	72	50	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
1.3-Dichloropropane	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
2,2-Dichloropropane	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
2-Butanone (MEK)	mg/kg	5500	19000	NA	< 1.3	< 0.76	< 1	< 0.99	**0.087 J**	**0.12 J**
2-Chlorotoluene	mg/kg	436	436	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
2-Hexanone	mg/kg	NS	NS	NA	< 1.3	< 0.76	< 1	< 0.99	< 1.1	< 1.1
4-Chlorotoluene	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Acetone	mg/kg	850	1000	NA	< 1.3	< 0.76	< 1	< 0.99	< 1.1	< 1.1
Allyl chloride	mg/kg	NS	NS	NA	< 0.66	< 0.38	< 0.5	< 0.5	< 0.53	< 0.57
Benzene	mg/kg	14	10	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Bromobenzene	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Bromochloromethane	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Bromodichloromethane	mg/kg	28	17	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Bromoform	mg/kg	630	650	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Bromomethane	mg/kg	2	2	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Butylbenzene	mg/kg	70	92	NA	< 0.33	**0.016 J**	< 0.25	< 0.25	< 0.27	< 0.28
Carbon disulfide	mg/kg	160	190	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	**0.054 J**
Carbon tetrachloride	mg/kg	0.7	0.9	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Chlorobenzene	mg/kg	23	32	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Chlorodibromomethane	mg/kg	30	20	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Chloroethane	mg/kg	2250	3000	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Chloroform	mg/kg	7	4	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Chloromethane	mg/kg	20	23	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
cis-1,2-Dichloroethene	mg/kg	19	22	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
cis-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Cyclohexane	mg/kg	NS	NS	NA	< 0.66	< 0.38	< 0.5	< 0.5	< 0.53	< 0.57
Dibromomethane	mg/kg	316	1860	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Dichlorodifluoromethane (CFC-12)	mg/kg	42	50	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Dichlorofluoromethane (Freon 21)	mg/kg	NS	NS	NA	< 0.66	< 0.38	< 0.5	< 0.5	< 0.53	< 0.57
Diethyl ether	mg/kg	NS	NS	NA	< 0.66	< 0.38	< 0.5	< 0.5	< 0.53	< 0.57
Ethylbenzene	mg/kg	200	200	NA	< 0.33	**0.0059 J**	< 0.25	< 0.25	< 0.27	**0.01 J**
Ethylene dibromide	mg/kg	1	0.5	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Isopropylbenzene	mg/kg	74	87	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Methyl acetate	mg/kg	NS	NS	NA	**0.41 J**	**0.27 J**	**0.29 J**	**0.055 J**	**0.057 J**	**0.22 J**
Methyl isobutyl ketone	mg/kg	2500	9000	NA	< 1.3	< 0.76	< 1	< 0.99	< 1.1	< 1.1
Methyl tertiary butyl ether (MTBE)	mg/kg	NS	NS	NA	< 1.3	< 0.76	< 1	< 0.99	< 1.1	< 1.1
Methylcyclohexane	mg/kg	NS	NS	NA	< 0.66	**0.019 J**	**0.055 J**	**0.018 J**	< 0.53	**0.091 J**

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**11**	**11**	**11**	**11**	**11**	**11**
Feature Number					**154**	**153**	**153**	**42**	**42**	**42**
Feature Name					**Fmr Tar Decanter House**	**Fmr Coal Gasification Plant**	**Fmr Coal Gasification Plant**	**Former Fuel Oil ASTs**	**Former Fuel Oil ASTs**	**Former Fuel Oil ASTs**
Location ID		**Tier 2**	**Tier 2**	**TCLP**	**ASB-194**	**ASB-195**	**ASB-195**	**ASB-196**	**ASB-197**	**ASB-198**
Sample ID		**Recreational**	**Industrial**	**Criteria**	**ASB-194_13-15(20110912)**	**ASB-195_6-8(20110912)**	**ASB-195_8-10(20110912)**	**ASB-196_4-6(20111104)**	**ASB-197_4-6(20111104)**	**ASB-198_6-8(20111104)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/12/2011**	**9/12/2011**	**9/12/2011**	**11/4/2011**	**11/4/2011**	**11/4/2011**
Depth Interval					**13 - 15**	**6 - 8**	**8 - 10**	**4 - 6**	**4 - 6**	**6 - 8**
Notes on Page 13.										
Methylene chloride	mg/kg	270	158	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Naphthalene	mg/kg	24	28	NA	< 0.33	**0.29**	**0.045 J**	< 0.25	< 0.27	**0.076 J**
n-Propylbenzene	mg/kg	70	93	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
p-Isopropyltoluene	mg/kg	NS	NS	NA	< 0.33	**0.0053 J**	< 0.25	< 0.25	< 0.27	< 0.28
sec-Butylbenzene	mg/kg	55	70	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Styrene	mg/kg	500	600	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Tert-butylbenzene	mg/kg	55	90	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Tetrachloroethene	mg/kg	145	131	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Tetrahydrofuran	mg/kg	NS	NS	NA	< 1.3	< 0.76	**0.049 J**	< 0.99	< 1.1	< 1.1
Toluene	mg/kg	260	305	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	**0.034 J**
trans-1,2-Dichloroethene	mg/kg	28	33	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
trans-1,3-Dichloropropene	mg/kg	NS	NS	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Trichloroethene	mg/kg	82	46	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Trichlorofluoromethane (CFC-11)	mg/kg	168	195	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
Vinyl chloride	mg/kg	2	2.2	NA	< 0.33	< 0.19	< 0.25	< 0.25	< 0.27	< 0.28
m-Xylene & p-Xylene*	mg/kg	130	130	NA	< 0.66	**0.021 J**	**0.012 J**	**0.0076 J**	< 0.53	**0.038 J**
Xylene, -o*	mg/kg	130	130	NA	< 0.33	**0.011 J**	**0.012 J**	< 0.25	< 0.27	**0.028 J**
Total Xylenes*	mg/kg	130	130	NA	ND	**0.032 J**	**0.024 J**	**0.0076 J**	ND	**0.066 J**
SVOCs										
2,4,5-Trichlorophenol	mg/kg	2212	10600	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2,4,6-Trichlorophenol	mg/kg	705	1060	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2,4-Dichlorophenol	mg/kg	61	230	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2,4-Dimethylphenol	mg/kg	530	1925	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2,4-Dinitrophenol	mg/kg	NS	NS	NA	< 1.8	< 42	< 82	< 7.4	< 1.9	< 190
2,4-Dinitrotoluene	mg/kg	60	355	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2,6-Dinitrotoluene	mg/kg	30	175	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39***
2-Chloronaphthalene	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2-Chlorophenol	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2-Methylnaphthalene	mg/kg	120	369	NA	< 0.36	**1 J**	< 17	< 1.5	< 0.39	**4 J**
2-Methylphenol	mg/kg	95	352	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
2-Nitroaniline	mg/kg	NS	NS	NA	< 1.8	< 42	< 82	< 7.4	< 1.9	< 190
2-Nitrophenol	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
3,3-Dichlorobenzidine	mg/kg	30	50	NA	< 1.8	< 42***	< 82***	< 7.4	< 1.9	< 190***
3-Nitroaniline	mg/kg	NS	NS	NA	< 1.8	< 42	< 82	< 7.4	< 1.9	< 190
4,6-Dinitro-2-methylphenol	mg/kg	NS	NS	NA	< 1.8	< 42	< 82	< 7.4	< 1.9	< 190
4-Bromophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
4-Chloro-3-methylphenol	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
4-Chloroaniline	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
4-Chlorophenyl phenyl ether	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
4-Nitroaniline	mg/kg	NS	NS	NA	< 1.8	< 42	< 82	< 7.4	< 1.9	< 190
4-Nitrophenol	mg/kg	NS	NS	NA	< 1.8	< 42	< 82	< 7.4	< 1.9	< 190
Acenaphthene	mg/kg	1860	5260	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	**14 J**
Acenaphthylene	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Acetophenone	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Anthracene	mg/kg	10000	45400	NA	< 0.36	**0.71 J**	< 17	< 1.5	< 0.39	**20 J**
Atrazine	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Benzaldehyde	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Benzo (g,h,i) perylene	mg/kg	NS	NS	NA	**0.011 J**	**2 J**	< 17	< 1.5	< 0.39	**25 J**
Benzo(a)anthracene	mg/kg	NS	NS	NA	**0.014 J**	**3.5 J**	< 17	< 1.5	< 0.39	**54**
Benzo(a)pyrene	mg/kg	2	3	NA	**0.014 J**	**3.5 J**	< 17***	< 1.5	< 0.39	**43**
Benzo(b)fluoranthene	mg/kg	NS	NS	NA	**0.017 J**	**5 J**	< 17	< 1.5	< 0.39	**64**
Benzo(k)fluoranthene	mg/kg	NS	NS	NA	**0.0067 J**	**0.9 J**	< 17	< 1.5	< 0.39	**17 J**
Biphenyl	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
bis(2-Chloro-1-methylethyl)ether	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
bis(2-Chloroethyl)ether	mg/kg	6	5	NA	< 0.36	< 8.7***	< 17***	< 1.5	< 0.39	< 39***
bis(2-Chloroethyoxy)methane	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					11	11	11	11	11	11
Feature Number					154	153	153	42	42	42
Feature Name					Fmr Tar Decanter House	Fmr Coal Gasification Plant	Fmr Coal Gasification Plant	Former Fuel Oil ASTs	Former Fuel Oil ASTs	Former Fuel Oil ASTs
Location ID		Tier 2	Tier 2	TCLP	ASB-194	ASB-195	ASB-195	ASB-196	ASB-197	ASB-198
Sample ID		Recreational	Industrial	Criteria	ASB-194_13-15(20110912)	ASB-195_6-8(20110912)	ASB-195_8-10(20110912)	ASB-196_4-6(20111104)	ASB-197_4-6(20111104)	ASB-198_6-8(20111104)
Sample Date	Unit	SRV	SRV		9/12/2011	9/12/2011	9/12/2011	11/4/2011	11/4/2011	11/4/2011
Depth Interval					13 - 15	6 - 8	8 - 10	4 - 6	4 - 6	6 - 8
Notes on Page 13.										
bis(2-Ethylhexyl)phthalate	mg/kg	690	2100	NA	**0.021 J**	< 8.7	< 17	< 1.5	< 0.39	< 39
Butyl benzyl phthalate	mg/kg	623	3700	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Caprolactam	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Carbazole	mg/kg	720	1310	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	**11 J**
Chrysene	mg/kg	NS	NS	NA	**0.016 J**	**3.6 J**	< 17	< 1.5	< 0.39	**50**
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NA	< 0.36	**0.72 J**	< 17	< 1.5	< 0.39	**7.6 J**
Dibenzofuran	mg/kg	130	810	NA	< 0.36	**0.2 J**	< 17	< 1.5	< 0.39	**6.5 J**
Dibutyl phthalate	mg/kg	3070	16300	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Diethyl phthalate	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Dimethyl phthalate	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
di-n-Octyl phthalate	mg/kg	630	3700	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Fluoranthene	mg/kg	1290	6800	NA	**0.022 J**	**5.7 J**	**0.21 J**	< 1.5	**0.0074 J**	**130**
Fluorene	mg/kg	1200	4120	NA	< 0.36	**0.35 J**	< 17	< 1.5	< 0.39	**14 J**
Hexachlorobenzene	mg/kg	8	9	NA	< 0.36	< 8.7***	< 17***	< 1.5	< 0.39	< 39***
Hexachlorobutadiene	mg/kg	6	37	NA	< 0.36	< 8.7***	< 17***	< 1.5	< 0.39	< 39***
Hexachlorocyclopentadiene	mg/kg	5	6	NA	< 1.8	< 42***	< 82***	< 7.4***	< 1.9	< 190***
Hexachloroethane	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NA	**0.0084 J**	**1.6 J**	< 17	< 1.5	< 0.39	**21 J**
Isophorone	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
m-Cresol & p-Cresol	mg/kg	NS	NS	NA	< 0.44	< 11	< 20	< 1.8	< 0.48	< 47
Naphthalene	mg/kg	24	28	NA	< 0.36	**0.11 J**	< 17	< 1.5	< 0.39	**7.5 J**
Nitrobenzene	mg/kg	NS	NS	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
n-Nitrosodi-n-propylamine	mg/kg	1.2	1.2	NA	< 0.36	< 8.7***	< 17***	< 1.5***	< 0.39	< 39***
N-Nitrosodiphenylamine	mg/kg	2585	3720	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Pentachlorophenol	mg/kg	80	120	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Phenanthrene	mg/kg	NS	NS	NA	**0.0075 J**	**2.2 J**	< 17	< 1.5	< 0.39	**88**
Phenol	mg/kg	1500	20203	NA	< 0.36	< 8.7	< 17	< 1.5	< 0.39	< 39
Pyrene	mg/kg	1060	5800	NA	**0.025 J**	**5.1 J**	**0.18 J**	**0.026 J**	**0.0062 J**	**83**
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NA	**0.01877**	**5.0392**	**0**	**0**	**0**	**63.356**
Notes on Page 13.										

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area					**11**	**11**	**11**	**11**	**11**	**11**
Feature Number					**154**	**153**	**153**	**42**	**42**	**42**
Feature Name					**Fmr Tar Decanter House**	**Fmr Coal Gasification Plant**	**Fmr Coal Gasification Plant**	**Former Fuel Oil ASTs**	**Former Fuel Oil ASTs**	**Former Fuel Oil ASTs**
Location ID		**Tier 2**	**Tier 2**	**TCLP**	**ASB-194**	**ASB-195**	**ASB-195**	**ASB-196**	**ASB-197**	**ASB-198**
Sample ID		**Recreational**	**Industrial**	**Criteria**	**ASB-194_13-15(20110912)**	**ASB-195_6-8(20110912)**	**ASB-195_8-10(20110912)**	**ASB-196_4-6(20111104)**	**ASB-197_4-6(20111104)**	**ASB-198_6-8(20111104)**
Sample Date	**Unit**	**SRV**	**SRV**		**9/12/2011**	**9/12/2011**	**9/12/2011**	**11/4/2011**	**11/4/2011**	**11/4/2011**
Depth Interval					**13 - 15**	**6 - 8**	**8 - 10**	**4 - 6**	**4 - 6**	**6 - 8**
Metals										
Aluminum	mg/kg	40000	100000	NA	NA	NA	NA	**7400**	**8000**	**4900**
Antimony	mg/kg	16	100	NA	NA	NA	NA	**0.93 J**	< 1	**1.3**
Arsenic	mg/kg	11	20	NA	**5.6**	**3.8**	**2.2**	**3.9**	**4.3**	**11**
Barium	mg/kg	1100	18000	NA	**53**	**47**	**46**	**31**	**27**	**170**
Beryllium	mg/kg	75	230	NA	NA	NA	NA	**0.39 J**	**0.56**	**0.14 J**
Cadmium	mg/kg	35	200	NA	< 0.22	< 0.21	< 0.2	< 0.23	< 0.2	**0.48**
Calcium	mg/kg	NS	NS	NA	NA	NA	NA	**36000**	**19000**	**15000**
Chromium**	mg/kg	120/60000	650/100000	NA	**12**	**12**	**9**	**15**	**14**	**12**
Cobalt	mg/kg	800	2600	NA	NA	NA	NA	**7.8**	**12**	**4.9 J**
Copper	mg/kg	100	9000	NA	NA	NA	NA	**14**	**22**	**19**
Iron	mg/kg	12000	75000	NA	NA	NA	NA	**16000**	**14000**	**10000**
Lead	mg/kg	300	700	NA	**4.6**	**31**	**16**	**9**	**3.2**	**130**
Magnesium	mg/kg	NS	NS	NA	NA	NA	NA	**6700**	**10000**	**4200**
Manganese	mg/kg	5000	8100	NA	NA	NA	NA	**220**	**260**	**380**
Mercury	mg/kg	1.2	1.5	NA	< 0.085	**0.016 J**	< 0.082	< 0.11	< 0.11	**0.063 J**
Nickel	mg/kg	800	2500	NA	NA	NA	NA	**18**	**23**	**12**
Potassium	mg/kg	NS	NS	NA	NA	NA	NA	**2700**	**4400**	**670**
Selenium	mg/kg	200	1300	NA	< 0.54 J	< 0.52 J	< 0.5 J	< 0.57	< 0.51	< 0.57
Silver	mg/kg	200	1300	NA	< 0.54	< 0.52	< 0.5	< 0.57	< 0.51	< 0.57
Sodium	mg/kg	NS	NS	NA	NA	NA	NA	< 570	**69 J**	**120 J**
Thallium	mg/kg	3	21	NA	NA	NA	NA	**1.1**	**1.2**	**0.99 J**
Vanadium	mg/kg	40	250	NA	NA	NA	NA	**12**	**4.7 J**	**15**
Zinc	mg/kg	12000	75000	NA	NA	NA	NA	**26**	**22**	**130**
Metals - TCLP										
Arsenic	mg/l	NA	NA	5	NA	NA	NA	NA	NA	NA
Lead	mg/l	NA	NA	5	NA	NA	NA	NA	NA	NA
Other										
Gasoline Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	< 11	< 12	< 11
Diesel Range Organics	mg/kg	NS	NS	NA	NA	NA	NA	**38**	**3.6 J**	**57**

Notes on Page 13.

Table 6B. Summary of Detected Constituents in Group B Soil Samples, Ford Twin Cities Assembly Plant, St. Paul, Minnesota

Acronyms & Abbreviations:

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
<	Not detected
ASB	ARCADIS Soil Boring
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Result value is above the MPCA Tier 1 Residential SRV
Box	Result value is above the MCPA Tier 2 Industrial SRV
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
SRV	Soil reference value
TCLP	Toxicity characteristic leaching procedure
MPCA	Minnesota Pollution Control Agency
*	Criteria for total xylenes used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			1	1	1	1	1	1
Feature Number			5	NPA	4	NPA	NPA	NPA
Feature Name			Former Gas/Diesel Underground Piping	North Parking Area	Fmr Area of Impacted Soil: Leak #10700	North Parking Area	North Parking Area	North Parking Area
Location ID			AMW-17	ASB-115 (Temp Well)	ASB-120 (Temp Well)	ASB-128 (Temp Well)	ASB-129 (Temp Well)	ASB-129
Sample ID	Screening Value		AMW-17(20111107)	ASB-115_4-9(20110822)	ASB-120_6-11(20110823)	ASB-128_5-10(20110825)	ASB-129_4.5-9.5(20110826)	DUP-001
Sample Date	Value	Basis	11/7/2011	8/22/2011	8/24/2011	8/25/2011	8/26/2011	8/26/2011
Depth Interval (ft bgs)								
VOCs								
1,1,1,2-Tetrachloroethane	70	1993/94 HRL	< 14	< 250*** J	< 1 J	< 1	< 1	< 1
1,1,1-Trichloroethane	9000	2009 HRL	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2	1993/94 HRL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	200000	1993/94 HRL	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,1,2-Trichloroethane	3	1993/94 HRL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
1,1-Dichloroethane	100	2009 RAA	< 14	< 250*** J	< 1 J	< 1	< 1	< 1
1,1-Dichloroethene	200	2009 HBV	< 14	< 250*** J	< 1 J	< 1	< 1	< 1
1,1-Dichloropropene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,2,3-Trichlorobenzene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,2,3-Trichloropropane	0.003	2010 HBV	< 14***	< 250*** J	< 1*** J	< 1***	< 1***	< 1***
1,2,4-Trichlorobenzene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,2,4-Trimethylbenzene	100	2010 RAA	< 14	**30 J**	< 1 J	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	< 29	< 500 J	< 2 J	< 2	< 2	< 2
1,2-Dichlorobenzene	600	1993/94 HRL	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,2-Dichloroethane	4	1993/94 HRL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
1,2-Dichloropropane	5	1993/94 HRL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
1,3,5-Trimethylbenzene	100	2009 HRL	< 14	**29 J**	< 1 J	< 1	< 1	< 1
1,3-Dichlorobenzene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
1,4-Dichlorobenzene	10	1993/94 HRL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
1.3-Dichloropropane	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
2,2-Dichloropropane	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
2-Butanone (MEK)	4000	1993/94 HRL	**23 J**	< 2500 J	**1.5 J**	< 10	< 10	< 10
2-Chlorotoluene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
2-Hexanone	NS	NS	< 140	< 2500 J	< 10 J	< 10	< 10	< 10
4-Chlorotoluene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Acetone	4000	2010 HBV	**340**	< 2500 J	**8.9 J**	**1.6 J**	**2.3 J**	< 10
Allyl chloride	30	1993/94 HRL	< 29	< 500*** J	< 2 J	< 2	< 2	< 2
Benzene	2	2009 HRL	**52**	**6200 J**	**17 J**	< 1	< 1	< 1
Bromobenzene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Bromochloromethane	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Bromodichloromethane	6	1993/94 HRL	< 14***	< 250***	< 1 J	< 1	< 1	< 1
Bromoform	40	1993/94 HRL	< 14	< 250***	< 1 J	< 1	< 1	< 1
Bromomethane	10	1993/94 HRL	< 14***	< 250***	< 1 J	< 1	< 1	< 1
Butylbenzene	NS	NS	**8.4 J**	< 250 J	< 1 J	< 1	< 1	< 1
Carbon disulfide	700	1993/94 HRL	< 14	< 250 J	**0.15 J**	< 1	< 1	< 1
Carbon tetrachloride	1	2010 HBV	< 14***	< 250***	< 1 J	< 1	< 1	< 1
Chlorobenzene	100	1993/94 HRL	< 14	< 250***	< 1 J	< 1	< 1	< 1
Chlorodibromomethane	10	1993/94 HRL	< 14***	< 250***	< 1 J	< 1	< 1	< 1
Chloroethane	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Chloroform	30	2009 HRL	< 14	< 250***	< 1 J	< 1	< 1	< 1
Chloromethane	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
cis-1,2-Dichloroethene	50	2009 HRL	< 14	< 250***	< 1 J	< 1	< 1	< 1
cis-1,3-Dichloropropene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Cyclohexane	NS	NS	**290**	**480 J**	**16 J**	< 1	< 1	< 1

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			1	1	1	1	1	1
Feature Number			5	NPA	4	NPA	NPA	NPA
Feature Name			Former Gas/Diesel Underground Piping	North Parking Area	Fmr Area of Impacted Soil: Leak #10700	North Parking Area	North Parking Area	North Parking Area
Location ID			AMW-17	ASB-115 (Temp Well)	ASB-120 (Temp Well)	ASB-128 (Temp Well)	ASB-129 (Temp Well)	ASB-129
Sample ID	Screening Value		AMW-17(20111107)	ASB-115_4-9(20110822)	ASB-120_6-11(20110823)	ASB-128_5-10(20110825)	ASB-129_4.5-9.5(20110826)	DUP-001
Sample Date	Value	Basis	11/7/2011	8/22/2011	8/24/2011	8/25/2011	8/26/2011	8/26/2011
Depth Interval (ft bgs)								
Dibromomethane	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Dichlorodifluoromethane (CFC-12)	700	2009 HBV	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Dichlorofluoromethane (Freon 21)	NS	NS	< 29	< 250 J	< 1 J	< 2	< 2	< 2
Diethyl ether	200	2010 RAA	< 29	< 250***	< 1 J	< 2	< 2	< 2
Ethylbenzene	50	2010 HBV	**78**	**770 J**	< 1 J	< 1	< 1	< 1
Ethylene dibromide	0.004	1993/94 HRL	< 14***	< 250*** J	< 1*** J	< 1***	< 1***	< 1***
Hexachlorobutadiene	1	1993/94 HRL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
Isopropylbenzene	300	1993/94 HRL	**49**	**79 J**	< 1 J	< 1	< 1	< 1
Methyl acetate	NS	NS	< 140	< 2500 J	< 10 J	< 10	< 10	< 10
Methyl isobutyl ketone	300	1993/94 HRL	< 140	< 1300*** J	< 5 J	< 10	< 10	< 10
Methyl tertiary butyl ether (MTBE)	70	2000 HBV	< 71***	< 500*** J	**19 J**	< 5	< 5	< 5
Methylcyclohexane	NS	NS	**55**	**150 J**	**0.27 J**	< 1	< 1	< 1
Methylene chloride	5	2009 HRL/MCL	< 14***	< 250***	< 1 J	< 1	< 1	< 1
Naphthalene	300	1993/94 HRL	**28**	< 250 J	< 1 J	< 1	< 1	< 1
n-Propylbenzene	NS	NS	**150**	< 360 J	< 1 J	< 1	< 1	< 1
p-Isopropyltoluene	NS	NS	**43**	< 250 J	< 1 J	< 1	< 1	< 1
sec-Butylbenzene	NS	NS	**5.2 J**	< 250 J	< 1 J	< 1	< 1	< 1
Styrene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Tert-butylbenzene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Tetrachloroethene	5	2009 HRL/MCL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
Tetrahydrofuran	100	1995 HBV	< 71	< 1300*** J	< 5 J	< 5	< 5	< 5
Toluene	200	2009 HBV	**14**	< 250*** J	**0.51 J**	**0.23 J**	< 1	< 1
trans-1,2-Dichloroethene	100	1993/94 HRL	< 14	< 250*** J	< 1 J	< 1	< 1	< 1
trans-1,3-Dichloropropene	NS	NS	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Trichloroethene	5	2009 HRL/MCL	< 14***	< 250*** J	< 1 J	< 1	< 1	< 1
Trichlorofluoromethane (CFC-11)	2000	1993/94 HRL	< 14	< 250 J	< 1 J	< 1	< 1	< 1
Vinyl chloride	0.2	2009 HRL	< 14***	< 250*** J	< 1*** J	< 1***	< 1***	< 1***
m-Xylene & p-Xylene*	300	2010 HBV	**21 J**	**140 J**	**2 J**	< 2	< 2	< 2
Xylene, -o*	300	2010 HBV	< 14	< 250 J	**0.27 J**	< 1	< 1	< 1
Total Xylenes*	300	2010 HBV	**21 J**	**140 J**	**2.27 J**	ND	ND	ND
SVOCs								
Benzo (g,h,i) perylene	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Benzo(a)anthracene	NS	NS	< 0.21	< 1.3	NA	< 0.2	< 0.2	< 0.2
Benzo(a)pyrene	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Benzo(b)fluoranthene[1]	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Benzo(k)fluoranthene	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Chrysene	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Dibenzo(a,h)anthracene	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Indeno(1,2,3-cd)pyrene	NS	NS	< 10	< 65	NA	< 9.8	< 10	< 9.9
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV	0	0	NA	0	0	0

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			1	1	1	1	1	1
Feature Number			5	NPA	4	NPA	NPA	NPA
Feature Name			Former Gas/Diesel Underground Piping	North Parking Area	Fmr Area of Impacted Soil: Leak #10700	North Parking Area	North Parking Area	North Parking Area
Location ID	Screening Value		AMW-17	ASB-115 (Temp Well)	ASB-120 (Temp Well)	ASB-128 (Temp Well)	ASB-129 (Temp Well)	ASB-129
Sample ID			AMW-17(20111107)	ASB-115_4-9(20110822)	ASB-120_6-11(20110823)	ASB-128_5-10(20110825)	ASB-129_4.5-9.5(20110826)	DUP-001
Sample Date	Value	Basis	11/7/2011	8/22/2011	8/24/2011	8/25/2011	8/26/2011	8/26/2011
Depth Interval (ft bgs)								
Metals Dissolved								
Aluminum	NS	NS	NA	NA	NA	NA	NA	NA
Antimony	6	1993/94 HRL	NA	NA	NA	NA	NA	NA
Arsenic	10	EPA MCL	NA	**7.6 J**	NA	**23**	< 10	< 10
Barium	2000	1993/94 HRL	NA	**340**	NA	**250**	**190 J**	**180 J**
Beryllium	0.08	1993/94 HRL	NA	NA	NA	NA	NA	NA
Cadmium	4	1993/94 HRL	NA	< 5***	NA	< 5***	< 5***	< 5***
Calcium	NS	NS	NA	NA	NA	NA	NA	NA
Chromium**	100/20000	NS	NA	**2.4 J**	NA	< 10	< 10	< 10
Cobalt	30	1995 HBV	NA	NA	NA	NA	NA	NA
Copper	1000	1995 HBV	NA	NA	NA	NA	NA	NA
Iron	NS	NS	NA	NA	NA	NA	NA	NA
Lead[2]	15	No Basis[2]	< 3	< 3	NA	< 3	< 3	< 3
Magnesium	NS	NS	NA	NA	NA	NA	NA	NA
Manganese	300	2008 RAA	NA	NA	NA	NA	NA	NA
Mercury	NS	NS	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2
Nickel	100	1993/94 HRL	NA	NA	NA	NA	NA	NA
Potassium	NS	NS	NA	NA	NA	NA	NA	NA
Selenium	30	1993/94 HRL	NA	< 5	NA	< 5	< 5	< 5
Silver	30	1993/94 HRL	NA	< 10	NA	< 10	< 10	< 10
Sodium	NS	NS	NA	NA	NA	NA	NA	NA
Thallium	0.6	1993/94 HRL	NA	NA	NA	NA	NA	NA
Vanadium	50	1993/94 HRL	NA	NA	NA	NA	NA	NA
Zinc	2000	1993/94 HRL	NA	NA	NA	NA	NA	NA
Metals Total								
Lead	15	NS	NA	NA	< 3	NA	NA	NA
Mercury	NS	NS	NA	NA	NA	NA	NA	NA
PCBs								
Aroclor 1016	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Aroclor 1221	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Aroclor 1232	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Aroclor 1242	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Aroclor 1248	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Aroclor 1254	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Aroclor 1260	NS	NS	NA	< 0.2 J	NA	< 0.22 J	< 0.2 J	< 0.2 J
Other								
Gasoline Range Organics	NS	NS	**3200**	**24000 J**	**88 J**	< 100	< 100 J	< 100
Diesel Range Organics	NS	NS	**820**	**3400**	**760**	**380**	**410**	**410**

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			1	1	2	2	2	2
Feature Number			NPA	NPA	16	16	5	NPA
Feature Name			North Parking Area	North Parking Area	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Diesel Underground Piping	North Parking Area
Location ID			ASB-130 (Temp Well)	ASB-137 (Temp Well)	AMW-14	AMW-15	AMW-16	ASB-118 (Temp Well)
Sample ID	Screening Value		ASB-130_0-5(20110826)	ASB-137_6-11(20110829)	AMW-14(20111107)	AMW-15(20111107)	AMW-16(20111107)	ASB-118_8-12(20110823)
Sample Date	Value	Basis	8/26/2011	8/29/2011	11/7/2011	11/7/2011	11/7/2011	8/23/2011
Depth Interval (ft bgs)								
VOCs								
1,1,1,2-Tetrachloroethane	70	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
1,1,1-Trichloroethane	9000	2009 HRL	< 1	< 1	< 12	< 67	< 67	< 5
1,1,2,2-Tetrachloroethane	2	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5***
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	200000	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
1,1,2-Trichloroethane	3	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5***
1,1-Dichloroethane	100	2009 RAA	< 1	< 1	< 12	< 67	< 67	< 5
1,1-Dichloroethene	200	2009 HBV	< 1	< 1	< 12	< 67	< 67	< 5
1,1-Dichloropropene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
1,2,3-Trichlorobenzene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
1,2,3-Trichloropropane	0.003	2010 HBV	< 1***	< 1***	< 12***	< 67***	< 67***	< 5***
1,2,4-Trichlorobenzene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
1,2,4-Trimethylbenzene	100	2010 RAA	< 1	< 1	**120**	**1500 J**	**1500**	**1.8 J**
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	< 2	< 2	< 24	< 130	< 130	< 10
1,2-Dichlorobenzene	600	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
1,2-Dichloroethane	4	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5***
1,2-Dichloropropane	5	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5
1,3,5-Trimethylbenzene	100	2009 HRL	< 1	< 1	**27**	**200**	**330**	**3.3 J**
1,3-Dichlorobenzene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
1,4-Dichlorobenzene	10	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5
1.3-Dichloropropane	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
2,2-Dichloropropane	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
2-Butanone (MEK)	4000	1993/94 HRL	< 10	< 10	< 120	< 670	< 670	< 50
2-Chlorotoluene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
2-Hexanone	NS	NS	< 10	< 10	< 120	< 670	< 670	< 50
4-Chlorotoluene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Acetone	4000	2010 HBV	< 10	**3.5 J**	< 120	< 670	**430 J**	< 50
Allyl chloride	30	1993/94 HRL	< 2	< 2	< 24	< 130***	< 130***	< 10
Benzene	2	2009 HRL	< 1	< 1	< 12***	**690**	< 67***	**120**
Bromobenzene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Bromochloromethane	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Bromodichloromethane	6	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5
Bromoform	40	1993/94 HRL	< 1	< 1	< 12	< 67***	< 67***	< 5
Bromomethane	10	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5
Butylbenzene	NS	NS	< 1	< 1	**19**	**56 J**	**39 J**	**0.91 J**
Carbon disulfide	700	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
Carbon tetrachloride	1	2010 HBV	< 1	< 1	< 12***	< 67***	< 67***	< 5***
Chlorobenzene	100	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
Chlorodibromomethane	10	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5
Chloroethane	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Chloroform	30	2009 HRL	< 1	< 1	< 12	< 67***	< 67***	< 5
Chloromethane	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
cis-1,2-Dichloroethene	50	2009 HRL	< 1	< 1	< 12	< 67***	< 67***	< 5
cis-1,3-Dichloropropene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Cyclohexane	NS	NS	< 1	< 1	**19**	**340**	**380**	**92**

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			1	1	2	2	2	2
Feature Number			NPA	NPA	16	16	5	NPA
Feature Name			North Parking Area	North Parking Area	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Diesel Underground Piping	North Parking Area
Location ID			ASB-130 (Temp Well)	ASB-137 (Temp Well)	AMW-14	AMW-15	AMW-16	ASB-118 (Temp Well)
Sample ID	Screening Value		ASB-130_0-5(20110826)	ASB-137_6-11(20110829)	AMW-14(20111107)	AMW-15(20111107)	AMW-16(20111107)	ASB-118_8-12(20110823)
Sample Date	Value	Basis	8/26/2011	8/29/2011	11/7/2011	11/7/2011	11/7/2011	8/23/2011
Depth Interval (ft bgs)								
Dibromomethane	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Dichlorodifluoromethane (CFC-12)	700	2009 HBV	< 1	< 1	**19**	**190**	< 67	< 5
Dichlorofluoromethane (Freon 21)	NS	NS	< 2	< 2	< 24	< 130	< 130	< 5
Diethyl ether	200	2010 RAA	< 2	< 2	< 24	< 130	< 130	< 5
Ethylbenzene	50	2010 HBV	< 1	< 1	**220**	**1500 J**	**1400**	< 5
Ethylene dibromide	0.004	1993/94 HRL	< 1***	< 1***	< 12***	< 67***	< 67***	< 5***
Hexachlorobutadiene	1	1993/94 HRL	< 1	< 1	< 12***	< 67***	< 67***	< 5***
Isopropylbenzene	300	1993/94 HRL	< 1	< 1	**19**	**74**	**68**	**9**
Methyl acetate	NS	NS	< 10	< 10	< 120	< 670	< 670	< 50
Methyl isobutyl ketone	300	1993/94 HRL	< 10	< 10	< 120	< 670***	< 670***	< 25
Methyl tertiary butyl ether (MTBE)	70	2000 HBV	< 5	< 5	< 59	< 330***	< 330***	< 10
Methylcyclohexane	NS	NS	< 1	< 1	**11 J**	**110**	**100**	**15**
Methylene chloride	5	2009 HRL/MCL	< 1	< 1	< 12***	< 67***	< 67***	< 5
Naphthalene	300	1993/94 HRL	< 1	< 1	**16**	**620**	**150**	**4.2 J**
n-Propylbenzene	NS	NS	< 1	< 1	**13**	**210**	**230**	**20**
p-Isopropyltoluene	NS	NS	< 1	< 1	**4.3 J**	**16 J**	< 67	< 5
sec-Butylbenzene	NS	NS	< 1	< 1	**6.3 J**	**18 J**	< 67	**1.3 J**
Styrene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Tert-butylbenzene	NS	NS	< 1	< 1	< 12 J	< 67 J	< 67	< 5
Tetrachloroethene	5	2009 HRL/MCL	< 1	< 1	< 12***	< 67***	< 67***	< 5
Tetrahydrofuran	100	1995 HBV	< 5	< 5	< 59	< 330***	< 330***	< 25
Toluene	200	2009 HBV	< 1	< 1	< 12	**73**	**73**	**3.2 J**
trans-1,2-Dichloroethene	100	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
trans-1,3-Dichloropropene	NS	NS	< 1	< 1	< 12	< 67	< 67	< 5
Trichloroethene	5	2009 HRL/MCL	< 1	< 1	< 12***	< 67***	< 67***	< 5
Trichlorofluoromethane (CFC-11)	2000	1993/94 HRL	< 1	< 1	< 12	< 67	< 67	< 5
Vinyl chloride	0.2	2009 HRL	< 1***	< 1***	< 12***	< 67***	< 67***	< 5***
m-Xylene & p-Xylene*	300	2010 HBV	< 2	< 2	**570**	**2000**	**3000**	**35**
Xylene, -o*	300	2010 HBV	< 1	< 1	**140**	**110**	**900**	< 5
Total Xylenes*	300	2010 HBV	ND	ND	**710**	**2110**	**3900**	**35**
SVOCs								
Benzo (g,h,i) perylene	NS	NS	< 9.9	< 10	< 0.2 J	< 10	< 42	< 10
Benzo(a)anthracene	NS	NS	< 0.2	< 0.2	< 0.2 J	< 0.2	< 0.83	< 0.2
Benzo(a)pyrene	NS	NS	< 9.9	< 10	< 0.2 J	< 10	< 42	< 10
Benzo(b)fluoranthene[1]	NS	NS	< 9.9	< 10	< 0.2 J	< 10	< 42	< 10
Benzo(k)fluoranthene	NS	NS	< 9.9	< 10	< 0.2	< 10	< 42	< 10
Chrysene	NS	NS	< 9.9	< 10	< 0.2 J	< 10	< 42	< 10
Dibenzo(a,h)anthracene	NS	NS	< 9.9	< 10	< 0.2 J	< 10	< 42	< 10
Indeno(1,2,3-cd)pyrene	NS	NS	< 9.9	< 10	< 0.2 J	< 10	< 42	< 10
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV	0	0	0	0	0	0

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			1	1	2	2	2	2
Feature Number			NPA	NPA	16	16	5	NPA
Feature Name			North Parking Area	North Parking Area	Former Gas/Spirits/Thinner USTs	Former Gas/Spirits/Thinner USTs	Former Gas/Diesel Underground Piping	North Parking Area
Location ID			ASB-130 (Temp Well)	ASB-137 (Temp Well)	AMW-14	AMW-15	AMW-16	ASB-118 (Temp Well)
Sample ID	Screening Value		ASB-130_0-5(20110826)	ASB-137_6-11(20110829)	AMW-14(20111107)	AMW-15(20111107)	AMW-16(20111107)	ASB-118_8-12(20110823)
Sample Date	Value	Basis	8/26/2011	8/29/2011	11/7/2011	11/7/2011	11/7/2011	8/23/2011
Depth Interval (ft bgs)								
Metals Dissolved								
Aluminum	NS	NS	NA	NA	NA	NA	NA	NA
Antimony	6	1993/94 HRL	NA	NA	NA	NA	NA	NA
Arsenic	10	EPA MCL	< 10	< 10	**7.8 J**	**12**	NA	**8 J**
Barium	2000	1993/94 HRL	**180 J**	**23 J**	**280**	**460**	NA	**130 J**
Beryllium	0.08	1993/94 HRL	NA	NA	NA	NA	NA	NA
Cadmium	4	1993/94 HRL	< 5***	< 5***	< 5***	< 5***	NA	< 5***
Calcium	NS	NS	NA	NA	NA	NA	NA	NA
Chromium**	100/20000	NS	< 10	< 10	< 10	< 10	NA	< 10
Cobalt	30	1995 HBV	NA	NA	NA	NA	NA	NA
Copper	1000	1995 HBV	NA	NA	NA	NA	NA	NA
Iron	NS	NS	NA	NA	NA	NA	NA	NA
Lead[2]	15	No Basis[2]	< 3	< 3	< 3	< 3	< 3	< 3
Magnesium	NS	NS	NA	NA	NA	NA	NA	NA
Manganese	300	2008 RAA	NA	NA	NA	NA	NA	NA
Mercury	NS	NS	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2
Nickel	100	1993/94 HRL	NA	NA	NA	NA	NA	NA
Potassium	NS	NS	NA	NA	NA	NA	NA	NA
Selenium	30	1993/94 HRL	< 5	< 5	< 5	< 5	NA	< 5
Silver	30	1993/94 HRL	< 10	< 10	< 10	< 10	NA	< 10
Sodium	NS	NS	NA	NA	NA	NA	NA	NA
Thallium	0.6	1993/94 HRL	NA	NA	NA	NA	NA	NA
Vanadium	50	1993/94 HRL	NA	NA	NA	NA	NA	NA
Zinc	2000	1993/94 HRL	NA	NA	NA	NA	NA	NA
Metals Total								
Lead	15	NS	NA	NA	NA	NA	NA	NA
Mercury	NS	NS	NA	NA	NA	NA	NA	NA
PCBs								
Aroclor 1016	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Aroclor 1221	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Aroclor 1232	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Aroclor 1242	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Aroclor 1248	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Aroclor 1254	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Aroclor 1260	NS	NS	< 0.21 J	< 0.2	< 0.11 J	NA	NA	< 0.2 J
Other								
Gasoline Range Organics	NS	NS	< 100	< 100	**7600**	**15000**	**15000**	**770**
Diesel Range Organics	NS	NS	**270**	< 97	**1100 J**	**640**	**1200**	**450**

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			2	4	4	4	4	7	7
Feature Number			138	12/47	12/47	20	12/47	152	10
Feature Name			Fmr Gasoline AST	Former Railroad Spurs/Former Coal Operations	Former Railroad Spurs/Former Coal Operations	Former Oil Fill Area	Former Railroad Spurs/Former Coal Operations	Former Fuel Oil UST	Fmr Hazardous Waste Storage Area
Location ID			ASB-145 (Temp Well)	AMW-11	AMW-11	AMW-13	AMW-18	AMW-12	ASB-166 (Temp Well)
Sample ID	Screening Value		ASB-145_7-12(20110830)	AMW-11 (10/31/2011)	DUP-002 (10/31/2011)	AMW-13 (10/31/2011)	AMW-18 (10/31/2011)	AMW-12(20111107)	ASB-166_7-12(20110906)
Sample Date	Value	Basis	8/30/2011	10/31/2011	10/31/2011	10/31/2011	10/31/2011	11/7/2011	9/6/2011
Depth Interval (ft bgs)									
VOCs									
1,1,1,2-Tetrachloroethane	70	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
1,1,1-Trichloroethane	9000	2009 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
1,1,2,2-Tetrachloroethane	2	1993/94 HRL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	200000	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
1,1,2-Trichloroethane	3	1993/94 HRL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
1,1-Dichloroethane	100	2009 RAA	< 1	< 10	< 10	NA	**1.2**	< 56	NA
1,1-Dichloroethene	200	2009 HBV	< 1	< 10	< 10	NA	< 1	< 56	NA
1,1-Dichloropropene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
1,2,3-Trichlorobenzene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
1,2,3-Trichloropropane	0.003	2010 HBV	< 1***	< 10***	< 10***	NA	< 1***	< 56***	NA
1,2,4-Trichlorobenzene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
1,2,4-Trimethylbenzene	100	2010 RAA	< 1	< 10	< 10	NA	< 1	**680**	NA
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	< 2	< 20	< 20	NA	< 2	< 110	NA
1,2-Dichlorobenzene	600	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
1,2-Dichloroethane	4	1993/94 HRL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
1,2-Dichloropropane	5	1993/94 HRL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
1,3,5-Trimethylbenzene	100	2009 HRL	< 1	< 10	< 10	NA	< 1	**110**	NA
1,3-Dichlorobenzene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
1,4-Dichlorobenzene	10	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56***	NA
1.3-Dichloropropane	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
2,2-Dichloropropane	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
2-Butanone (MEK)	4000	1993/94 HRL	**0.59 J**	< 100	< 100	NA	< 10	< 560	NA
2-Chlorotoluene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
2-Hexanone	NS	NS	< 10	< 100	< 100	NA	< 10	< 560	NA
4-Chlorotoluene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Acetone	4000	2010 HBV	**1.7 J**	< 100	< 100	NA	< 10	< 560	NA
Allyl chloride	30	1993/94 HRL	< 2	< 20	< 20	NA	< 2	< 110***	NA
Benzene	2	2009 HRL	< 1	< 10***	< 10***	NA	< 1	**32 J**	NA
Bromobenzene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Bromochloromethane	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Bromodichloromethane	6	1993/94 HRL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
Bromoform	40	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56***	NA
Bromomethane	10	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56***	NA
Butylbenzene	NS	NS	**0.61 J**	**5.4 J**	**6.1 J**	NA	< 1	**84**	NA
Carbon disulfide	700	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
Carbon tetrachloride	1	2010 HBV	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
Chlorobenzene	100	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
Chlorodibromomethane	10	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56***	NA
Chloroethane	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Chloroform	30	2009 HRL	< 1	< 10	< 10	NA	< 1	< 56***	NA
Chloromethane	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
cis-1,2-Dichloroethene	50	2009 HRL	< 1	< 10	< 10	NA	< 1	< 56***	NA
cis-1,3-Dichloropropene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Cyclohexane	NS	NS	**7.2**	**45**	**48**	NA	< 1	**120**	NA

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			2	4	4	4	4	7	7
Feature Number			138	12/47	12/47	20	12/47	152	10
Feature Name			Fmr Gasoline AST	Former Railroad Spurs/Former Coal Operations	Former Railroad Spurs/Former Coal Operations	Former Oil Fill Area	Former Railroad Spurs/Former Coal Operations	Former Fuel Oil UST	Fmr Hazardous Waste Storage Area
Location ID			ASB-145 (Temp Well)	AMW-11	AMW-11	AMW-13	AMW-18	AMW-12	ASB-166 (Temp Well)
Sample ID	Screening Value		ASB-145_7-12(20110830)	AMW-11 (10/31/2011)	DUP-002 (10/31/2011)	AMW-13 (10/31/2011)	AMW-18 (10/31/2011)	AMW-12(20111107)	ASB-166_7-12(20110906)
Sample Date	Value	Basis	8/30/2011	10/31/2011	10/31/2011	10/31/2011	10/31/2011	11/7/2011	9/6/2011
Depth Interval (ft bgs)									
Dibromomethane	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Dichlorodifluoromethane (CFC-12)	700	2009 HBV	< 1 J	< 10	< 10	NA	< 1	< 56	NA
Dichlorofluoromethane (Freon 21)	NS	NS	< 2	< 20	< 20	NA	< 2	< 110	NA
Diethyl ether	200	2010 RAA	< 2	< 20	< 20	NA	< 2	< 110	NA
Ethylbenzene	50	2010 HBV	**0.19 J**	< 10	< 10	NA	< 1	**1200**	NA
Ethylene dibromide	0.004	1993/94 HRL	< 1***	< 10***	< 10***	NA	< 1***	< 56***	NA
Hexachlorobutadiene	1	1993/94 HRL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
Isopropylbenzene	300	1993/94 HRL	**2.5**	**22**	**26**	NA	< 1	**150**	NA
Methyl acetate	NS	NS	< 10	< 100	< 100	NA	< 10	< 560	NA
Methyl isobutyl ketone	300	1993/94 HRL	< 10	< 100	< 100	NA	< 10	< 560***	NA
Methyl tertiary butyl ether (MTBE)	70	2000 HBV	< 5	< 50	< 50	NA	< 5	< 280***	NA
Methylcyclohexane	NS	NS	**41 E**	**170**	**170**	NA	< 1	**73**	NA
Methylene chloride	5	2009 HRL/MCL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
Naphthalene	300	1993/94 HRL	< 1	< 10	< 10	NA	< 1	**270**	NA
n-Propylbenzene	NS	NS	**2.8**	**33**	**35**	NA	< 1	**150**	NA
p-Isopropyltoluene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
sec-Butylbenzene	NS	NS	**0.84 J**	**11**	**13**	NA	< 1	**22 J**	NA
Styrene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Tert-butylbenzene	NS	NS	**0.2 J**	**1.7 J**	< 10	NA	< 1	< 56	NA
Tetrachloroethene	5	2009 HRL/MCL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
Tetrahydrofuran	100	1995 HBV	< 5	< 50	< 50	NA	< 5	< 280***	NA
Toluene	200	2009 HBV	< 1	< 10	< 10	NA	< 1	< 56	NA
trans-1,2-Dichloroethene	100	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
trans-1,3-Dichloropropene	NS	NS	< 1	< 10	< 10	NA	< 1	< 56	NA
Trichloroethene	5	2009 HRL/MCL	< 1	< 10***	< 10***	NA	< 1	< 56***	NA
Trichlorofluoromethane (CFC-11)	2000	1993/94 HRL	< 1	< 10	< 10	NA	< 1	< 56	NA
Vinyl chloride	0.2	2009 HRL	< 1***	< 10***	< 10***	NA	< 1***	< 56***	NA
m-Xylene & p-Xylene*	300	2010 HBV	**0.37 J**	< 20	< 20	NA	< 2	**2300**	NA
Xylene, -o*	300	2010 HBV	< 1	< 10	< 10	NA	< 1	**260**	NA
Total Xylenes*	300	2010 HBV	**0.37 J**	ND	ND	NA	ND	**2560**	NA
SVOCs									
Benzo (g,h,i) perylene	NS	NS	NA	< 10	< 9.9	< 10	< 10	< 67	NA
Benzo(a)anthracene	NS	NS	NA	< 0.2	< 0.2	< 0.21	< 0.2	< 1.3	NA
Benzo(a)pyrene	NS	NS	NA	< 10	< 9.9	< 10	< 10	< 67	NA
Benzo(b)fluoranthene[1]	NS	NS	NA	< 10	< 9.9	< 10	**0.25 J**	< 67	NA
Benzo(k)fluoranthene	NS	NS	NA	< 10	< 9.9	< 10	< 10	< 67	NA
Chrysene	NS	NS	NA	< 10	< 9.9	< 10	< 10	< 67	NA
Dibenzo(a,h)anthracene	NS	NS	NA	< 10	< 9.9	< 10	< 10	< 67	NA
Indeno(1,2,3-cd)pyrene	NS	NS	NA	< 10	< 9.9	< 10	< 10	< 67	NA
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV	NA	0	0	0	**0.025**	0	NA

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Focus Area			2	4	4	4	4	7	7
Feature Number			138	12/47	12/47	20	12/47	152	10
Feature Name			Fmr Gasoline AST	Former Railroad Spurs/Former Coal Operations	Former Railroad Spurs/Former Coal Operations	Former Oil Fill Area	Former Railroad Spurs/Former Coal Operations	Former Fuel Oil UST	Fmr Hazardous Waste Storage Area
Location ID			ASB-145 (Temp Well)	AMW-11	AMW-11	AMW-13	AMW-18	AMW-12	ASB-166 (Temp Well)
Sample ID	Screening Value		ASB-145_7-12(20110830)	AMW-11 (10/31/2011)	DUP-002 (10/31/2011)	AMW-13 (10/31/2011)	AMW-18 (10/31/2011)	AMW-12(20111107)	ASB-166_7-12(20110906)
Sample Date	Value	Basis	8/30/2011	10/31/2011	10/31/2011	10/31/2011	10/31/2011	11/7/2011	9/6/2011
Depth Interval (ft bgs)									
Metals Dissolved									
Aluminum	NS	NS	NA	NA	NA	NA	NA	NA	NA
Antimony	6	1993/94 HRL	NA	NA	NA	NA	NA	NA	NA
Arsenic	10	EPA MCL	NA	< 10	< 10	< 10	**4.1 J**	**16**	**610**
Barium	2000	1993/94 HRL	NA	**200**	**200**	**230**	**180 J**	**460**	NA
Beryllium	0.08	1993/94 HRL	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	1993/94 HRL	NA	< 5***	< 5***	< 5***	< 5***	< 5***	NA
Calcium	NS	NS	NA	NA	NA	NA	NA	NA	NA
Chromium**	100/20000	NS	NA	< 10	< 10	< 10	< 10	< 10	NA
Cobalt	30	1995 HBV	NA	NA	NA	NA	NA	NA	NA
Copper	1000	1995 HBV	NA	NA	NA	NA	NA	NA	NA
Iron	NS	NS	NA	NA	NA	NA	NA	NA	NA
Lead[2]	15	No Basis[2]	< 3	< 3	< 3	< 3	< 3	< 3	NA
Magnesium	NS	NS	NA	NA	NA	NA	NA	NA	NA
Manganese	300	2008 RAA	NA	NA	NA	NA	NA	NA	NA
Mercury	NS	NS	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA
Nickel	100	1993/94 HRL	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NS	NA	NA	NA	NA	NA	NA	NA
Selenium	30	1993/94 HRL	NA	< 5	< 5	< 5	< 5	< 5	NA
Silver	30	1993/94 HRL	NA	< 10	< 10	< 10	< 10	< 10	NA
Sodium	NS	NS	NA	NA	NA	NA	NA	NA	NA
Thallium	0.6	1993/94 HRL	NA	NA	NA	NA	NA	NA	NA
Vanadium	50	1993/94 HRL	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	1993/94 HRL	NA	NA	NA	NA	NA	NA	NA
Metals Total									
Lead	15	NS	NA	NA	NA	NA	NA	NA	NA
Mercury	NS	NS	NA	NA	NA	NA	NA	NA	NA
PCBs									
Aroclor 1016	NS	NS	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	NS	NS	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	NS	NS	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	NS	NS	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	NS	NS	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	NS	NS	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NS	NS	NA	NA	NA	NA	NA	NA	NA
Other									
Gasoline Range Organics	NS	NS	**510**	**3000**	**2900**	< 100	< 100	**13000**	NA
Diesel Range Organics	NS	NS	NA	**1200**	**1600**	**220**	**1000**	**620**	NA

Notes on Page 10.

Table 7. Summary of Detected Constituents in Groundwater Samples, Twin Cities Assembly Plant, St. Paul, Minnesota

Acronyms and Abbrevations:

Results are reported in micrograms per liter (ug/l)

AMW	ARCADIS Monitoring Well Location
ASB	ARCADIS Soil Boring
<	Not detected
NA	Not applicable/not analyzed
ND	Not detected
NS	No standard
J	Estimated result
Bold	Detected value
Shade	Value is above the MDH Health Based Water Guidance or EPA Maximum Contaminant Level (MCL) (for arsenic)
HBV	Health Based Value
RAA	Risk Assessment Advice
VOCs	Volatile organic compounds
SVOCs	Semi-volatile compounds
PCBs	Polychlorinated biphenyls
MEK	Methyl ethyl Ketone
*	Criteria for Total Xylenes Used
**	SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs
***	Reporting limit exceeds standard
1	See Benzo(a)pyrene (BaP) Equivalents Action Levels
2	Lead MDH Health Based Water Guidance Actional Level at Tap
ft bgs	Feet below ground surface

Table 8. Summary of Available Background Data, Twin Cities Assembly Plant, St. Paul, Minnesota
Twin Cities Assembly Plant, St. Paul, Minnesota

Metals	Units	Eastern USA								Minnesota					
		Minimum	Maximum	A.Mean	SD	G.Mean	SD	N	Reference	Minimum	Maximum	A.Mean	SD	N	Reference
Arsenic	mg/kg	<1.0	73	7.4	---	4.8	2.56	527	1	0.5	15	5.5	4.6	37	3
Copper	mg/kg	<1.0	700	22	---	13	2.8	533	1	2	700	35	115	36	3
										16	50	26	9	16	54
										3	24	8.6	6.2	11	28 (histosols)
Iron	mg/kg	100	>100,000	25000	---	14000	2.87	540	1	500	50000	19527	---	37	3
Lead	mg/kg	<10	300	17	---	14	1.95	541	1	ND	20	13	4.5	37	3

References:

Data was obtained from "Elements in North America Soils", J. Dragun, A. Chiasson, December 1991.

1 Shacklette, H. T. and J. G. Boerngen. 1984 "Elements concentrations in soil and other surficial materials of the conterminous United States", U.S. Geological Survey Professional Paper 1270, Washington D.C.: U.S. Government Printing Office.

3 Boengen, J.G. and H.T. Shacklette. 1981. "Chemical analyses of soils and other surficial materials of the conterminous United States", U.S. Geological Survey Open-File Report 81-197.

54 Pierce, F. J., R.H. Dowdy, and D.F. Grigal. 1982. "Concentrations of six trace metals in some major Minnesota soil series", *Journal of Environmental Quality,* 11, 3, pp 416-422.

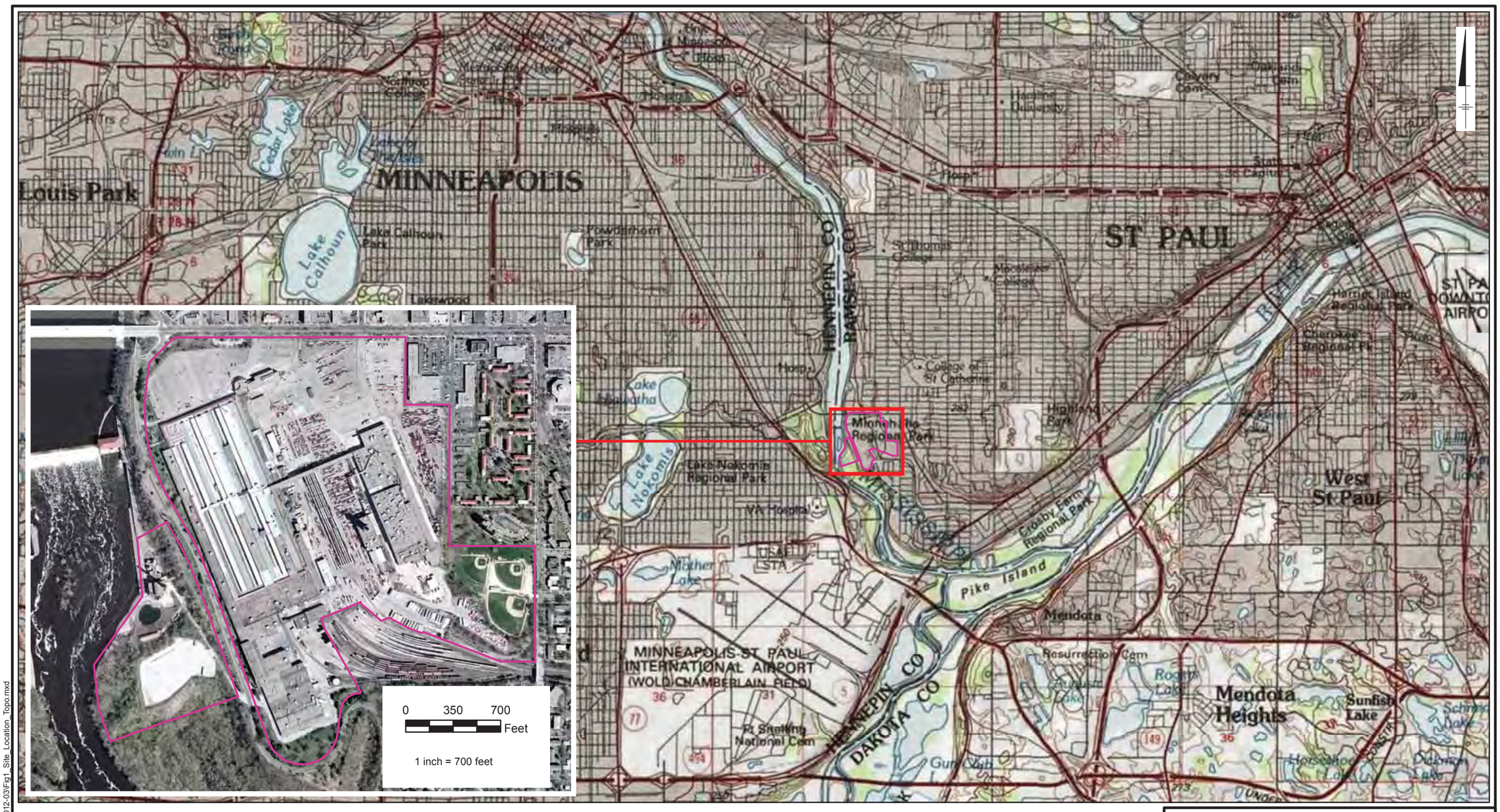
58 Bloom, P.R., W.E. Elder and J. Grava. 1983. "Chemistry and mineralogy of mineral elements in Minnesota histosols", *Papers Presented at the 26th Annual Manitoba Society of Soil Science Meeting.*

Acronyms and Abbreviations:

A.Mean	Arithmetic mean
G.Mean	Geometric mean
SD	Standard Deviation
N	Number of samples
---	Not given
ND	Not detected
mg/kg	Milligrams per kilogram
<	Less than
>	Greater than
USA	United State of America

ARCADIS

Figures



LEGEND:

Ford Property Boundary

NOTES:

Imagery Source: United States Geological Survey
High Resolution Orthoimagery for the Minneapolis-St. Paul, Minnesota Urban Area

Topographic Map Source:
© 2007 National Geographic Society

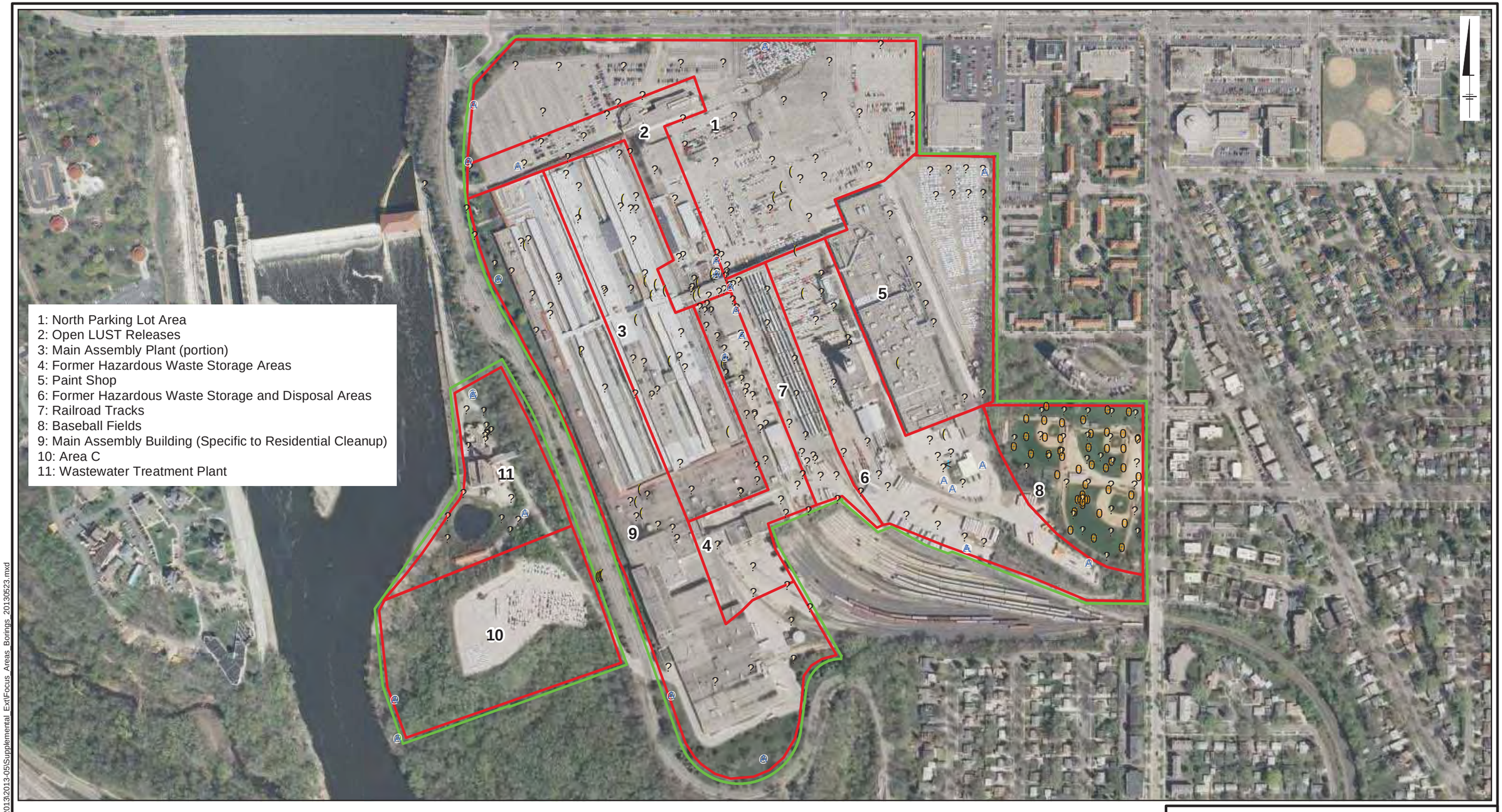
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota
Phase II Supplemental Exterior Investigation

Site Location / Property Layout

ARCADIS

FIGURE 1

CITY: Minneapolis, MN DB: MGress PM: BZinda
Project MN000593
G:\GIS\Projects\Ford Ranger\ArcMap\2012\2012-03\Fig1_Site_Location_Topo.mxd



LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- (— Hand Auger
- 0 — Surface Soil
- < — Sump
- Ford Property Boundary
- Proposed Certificate of Completion Focus Areas

NOTES:

1) This Figure is not to be used for completing Land Splits, Land Unit Development, Plats, or generating new Tax Identification numbers.

2) The Figure is not to be used for any Real Estate Planning or Discussion purposes.

3) This Figure is to be used for obtaining Certificates of Completion during the environmental investigation/remediation process only.

4) Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 12/3/2012

0 400 800 Feet

1 inch = 400 feet

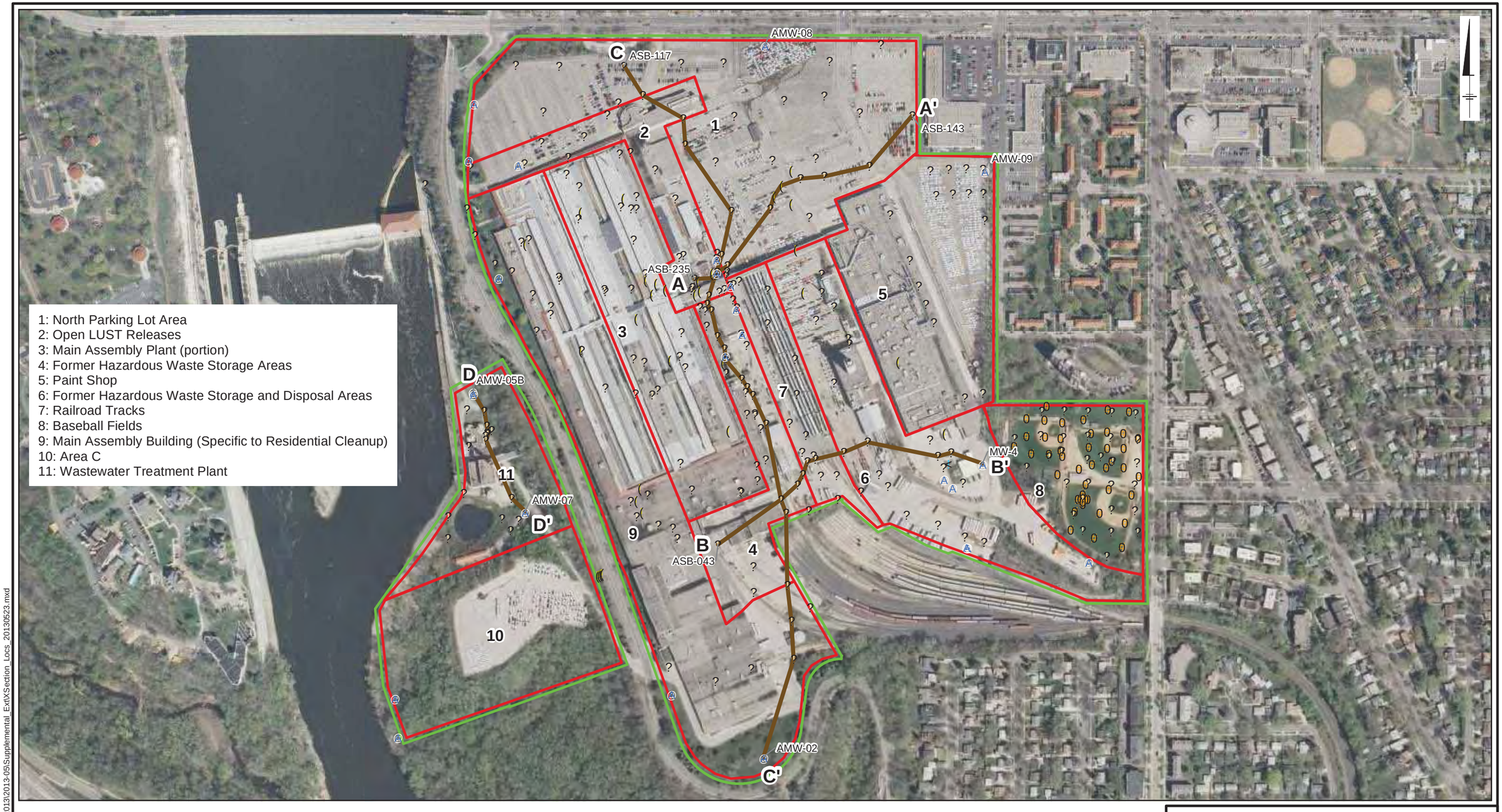
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Areas Location Map

ARCADIS

FIGURE 2

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford RangerArcMap\2013\2013-05\Supplemental Ext\Focus_Areas_Borings_20130523.mxd



LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- (— Hand Auger
- 0 — Surface Soil
- < — Sump
- Cross Section Location
- Ford Property Boundary
- Proposed Certificate of Completion Focus Areas

NOTES:

1) This Figure is not to be used for completing Land Splits, Land Unit Development, Plats, or generating new Tax Identification numbers.

2) The Figure is not to be used for any Real Estate Planning or Discussion purposes.

3) This Figure is to be used for obtaining Certificates of Completion during the environmental investigation/remediation process only.

4) Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 12/3/2012

0 400 800 Feet

1 inch = 400 feet

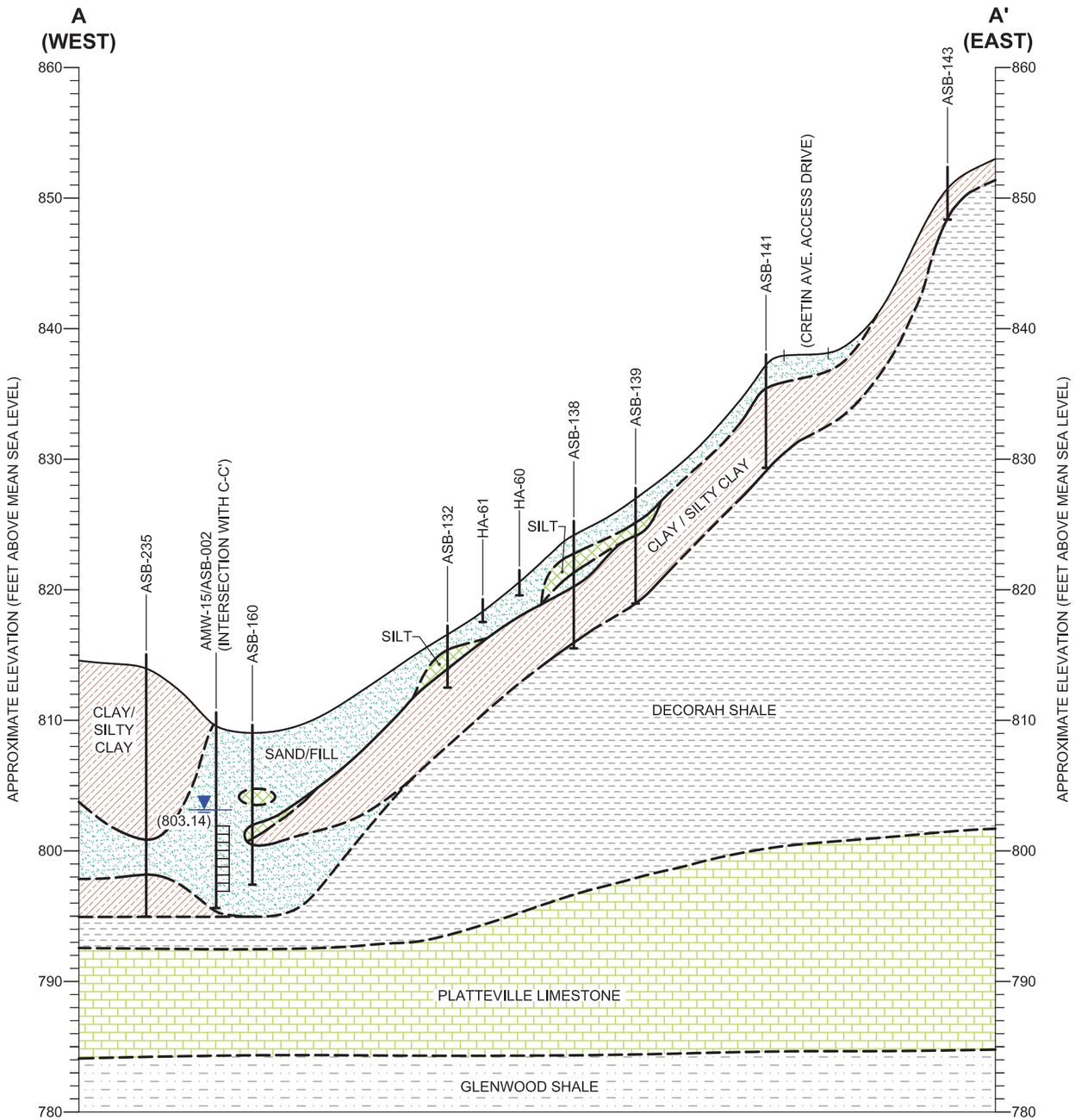
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Cross Section Location Map

ARCADIS

FIGURE 3

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtXSection_Locs_20130523.mxd



LEGEND:

- BORING ID (ASB-235)
- GROUND SURFACE
- INFERRED BOUNDARY
- GROUNDWATER TABLE
- SCREEN INTERVAL
- END OF BORING
- SILT
- SAND/FILL
- CLAY/SILTY CLAY
- DECORAH SHALE
- PLATTEVILLE LIMESTONE
- GLENWOOD SHALE

NOTES:

1. APPROXIMATE LIMESTONE BEDROCK DEPTH/THICKNESS BASED ON BORING LOG FOR AMW-08 (801 FT AMSL) AND AMW-09 (798 FT AMSL).
2. WATER LEVEL DATA FROM NOVEMBER 7, 2011 (WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL).

0 10' 20'
VERTICAL SCALE

0 200' 400'
HORIZONTAL SCALE

VERTICAL EXAGGERATION 20X

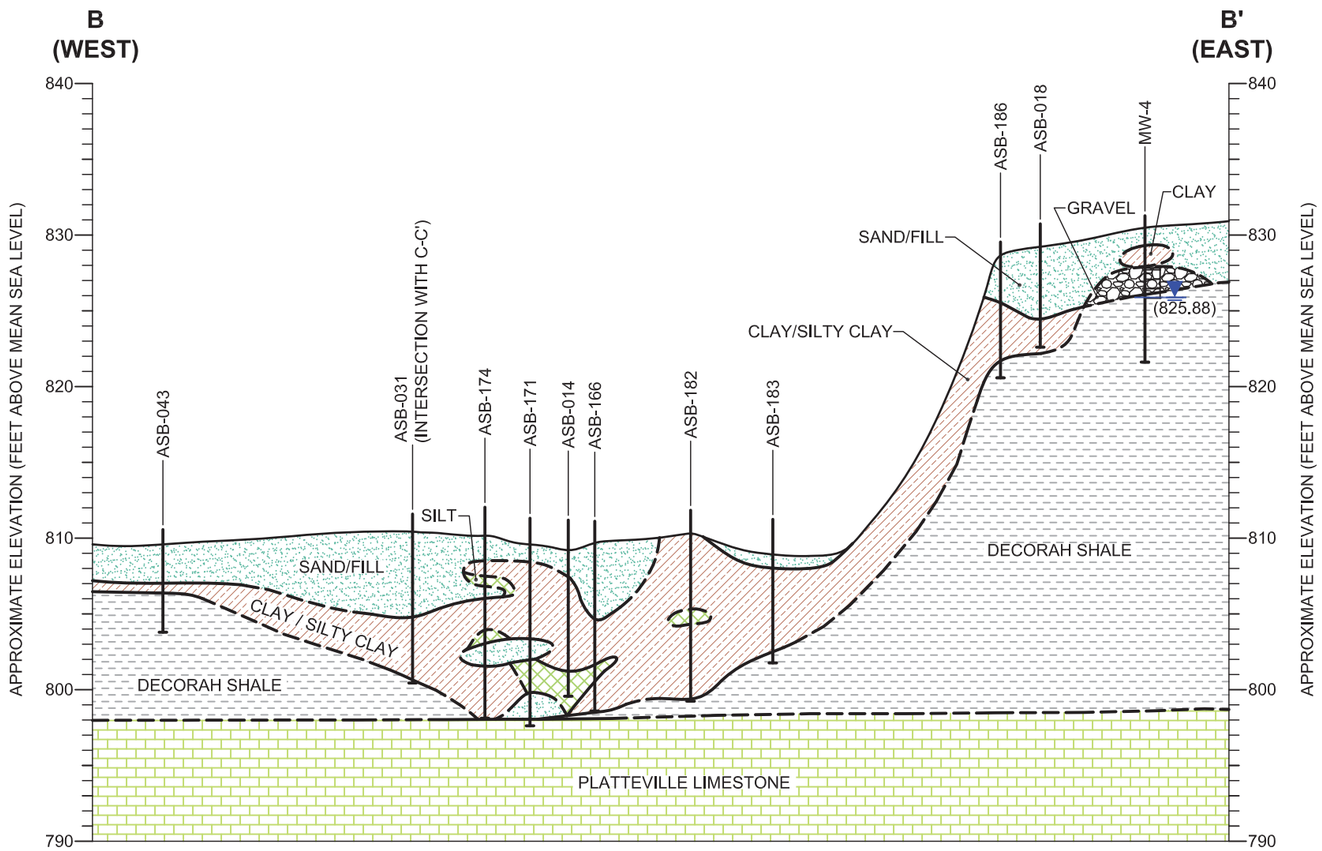
TWIN CITIES ASSEMBLY PLANT
FORD MOTOR COMPANY
ST. PAUL, MINNESOTA

CROSS SECTION A-A' (WEST - EAST)

ARCADIS

FIGURE
4

CITY: SYRACUSE NY DIV/GROUP=EnvCAD DB: E. KRAHMER LD:(Opt) PIC: R. ELLIS PM: R. ELLIS TM: T. WHARTON TR: K. HOEHN LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\00044\0001\100003\DWG\00440V01.dwg LAYOUT: 20 SAVED: 4/23/2013 3:44 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---
XREFS: IMAGES: PROJECTNAME: ---
00440X02.JPG



LEGEND:

- ASB-235 — BORING ID
- GROUND SURFACE
- INFERRED BOUNDARY
- GROUNDWATER TABLE
- SCREEN INTERVAL
- END OF BORING
- SILT
- SAND/FILL
- CLAY/SILTY CLAY
- GRAVEL
- DECORAH SHALE
- PLATTEVILLE LIMESTONE

NOTES:

1. APPROXIMATE LIMESTONE BEDROCK DEPTH/THICKNESS BASED ON BORING LOG FOR AMW-02 (798 FT ASML), ASB-171 (797.5 FT AMSL), AND ASB-174 (798.5 FT AMSL).
2. WATER LEVEL DATA FROM OCTOBER 31, 2011 (WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL).

0 10' 20'
VERTICAL SCALE

0 200' 400'
HORIZONTAL SCALE

VERTICAL EXAGGERATION 20X

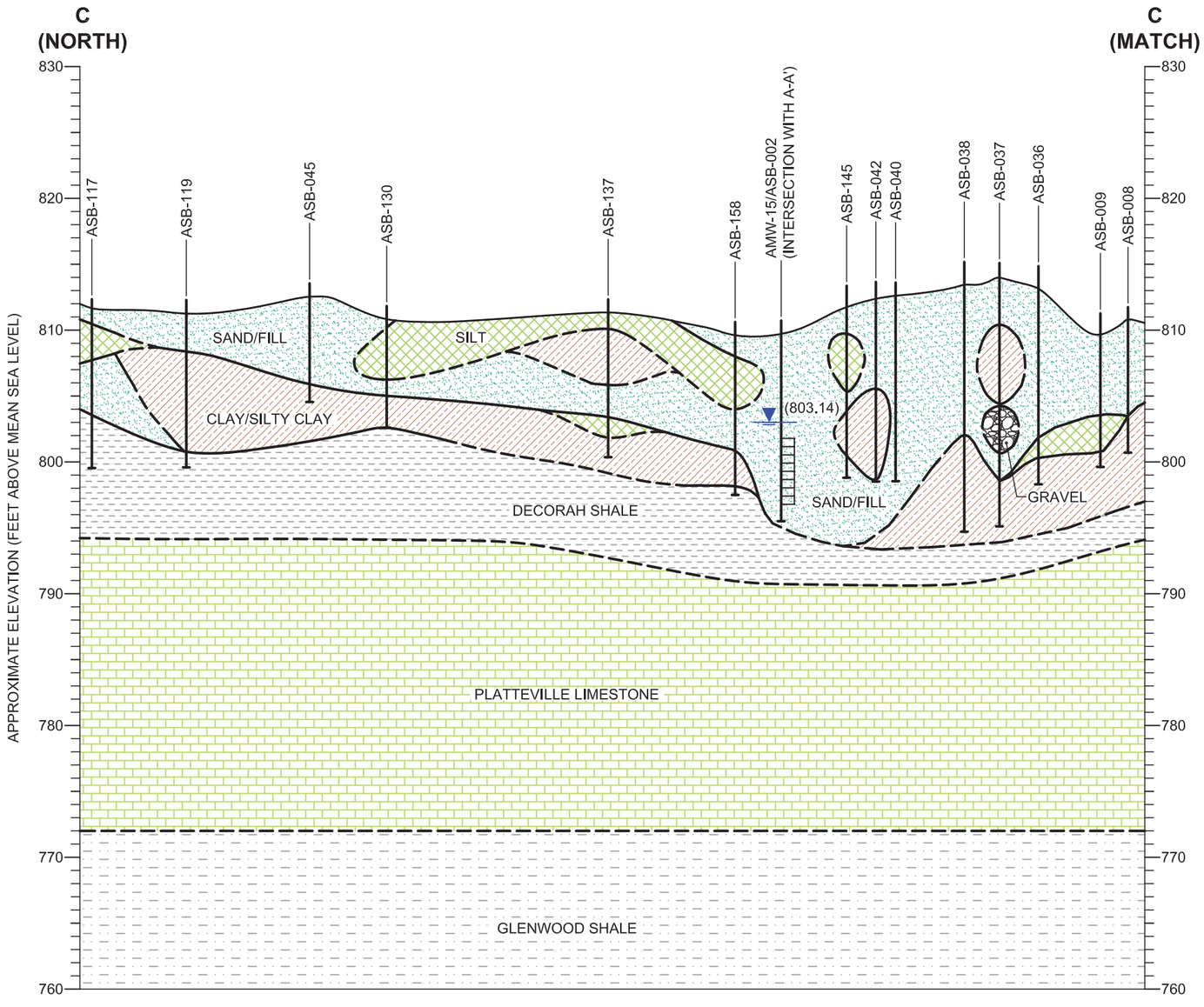
TWIN CITIES ASSEMBLY PLANT
FORD MOTOR COMPANY
ST. PAUL, MINNESOTA

CROSS SECTION B-B' (WEST - EAST)

ARCADIS

FIGURE
5

CITY: SYRACUSE NY DIV/GROUP:EnvCAD DB: E. KRAHMER LD:(Opt) PIC: R. ELLIS PM: R. ELLIS TM: T. WHARTON TR: K. HOEHN LYR:(On)ON=*OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\00044\0001100003\DWG\00440V01.dwg LAYOUT: 21 SAVED: 4/23/2013 3:44 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/23/2013 3:48 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ----
00440X02.JPG



MATCH LINE - SEE FIGURE 22B

LEGEND:

BORING ID

GROUND SURFACE

INFERRED BOUNDARY

GROUNDWATER TABLE

SCREEN INTERVAL

END OF BORING

SILT

SAND/FILL

CLAY/SILTY CLAY

GRAVEL

DECORAH SHALE

PLATTEVILLE LIMESTONE

GLENWOOD SHALE

NOTES:

1. APPROXIMATE BEDROCK DEPTH/ THICKNESS BASED ON BORING LOG FOR AMW-02 (798 FT AMSL).
2. WATER LEVEL DATA FROM NOVEMBER 7, 2011 (WATER, ELEVATION IN FEET ABOVE MEAN SEA LEVEL).

0 10' 20'

VERTICAL SCALE

0 200' 400'

HORIZONTAL SCALE

VERTICAL EXAGGERATION 20X

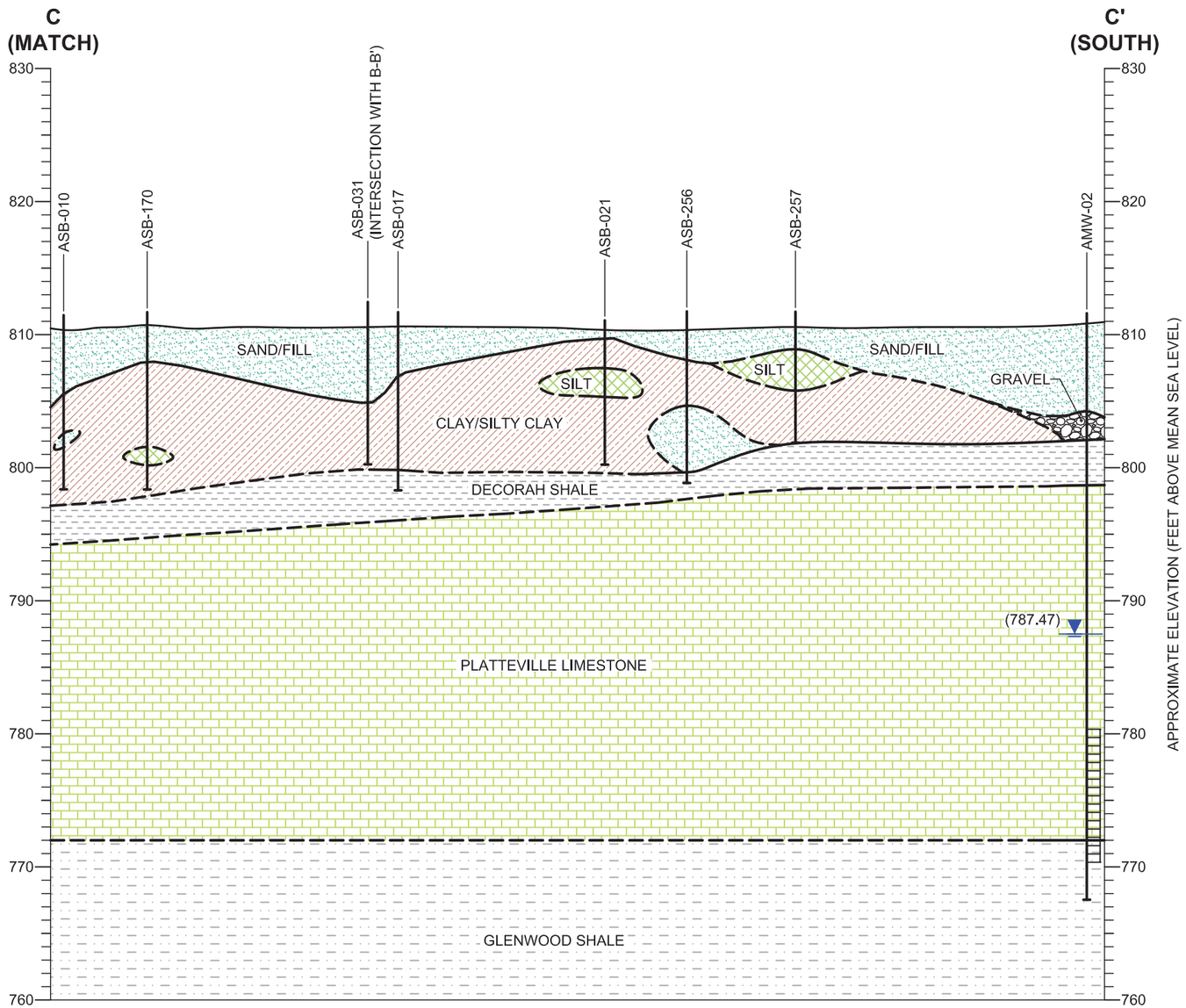
TWIN CITIES ASSEMBLY PLANT
FORD MOTOR COMPANY
ST. PAUL, MINNESOTA

CROSS SECTION C-C' (NORTH - SOUTH) (1 OF 2)

ARCADIS

FIGURE
6A

CITY: SYRACUSE NY DIV/GROUP:EnvCAD DB: E. KRAHMER LD:(Opt) PIC: R. ELLIS PM: R. ELLIS TM: T. WHARTON TR: K. HOEHN LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIDE\00440\000\1\000003\DWG\00440V01.dwg LAYOUT: 22A SAVED: 4/23/2013 3:44 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/23/2013 3:49 PM BY: KRAHMER, ERIC (LMS TECH)
XREFS: IMAGES: PROJECTNAME: ---
00440X02.JPG



LEGEND:

- ASB-235 — BORING ID
- GROUND SURFACE
- INFERRED BOUNDARY
- GROUNDWATER TABLE
- SCREEN INTERVAL
- END OF BORING

- SILT
- SAND/FILL
- CLAY/SILTY CLAY
- GRAVEL
- DECORAH SHALE
- PLATTEVILLE LIMESTONE
- GLENWOOD SHALE

NOTES:

1. APPROXIMATE BEDROCK DEPTH/ THICKNESS BASED ON BORING LOG FOR AMW-02.
2. WATER LEVEL DATA FROM NOVEMBER 7, 2011 (WATER, ELEVATION IN FEET ABOVE MEAN SEA LEVEL).

0 10' 20'
VERTICAL SCALE

0 200' 400'
HORIZONTAL SCALE

VERTICAL EXAGGERATION 20X

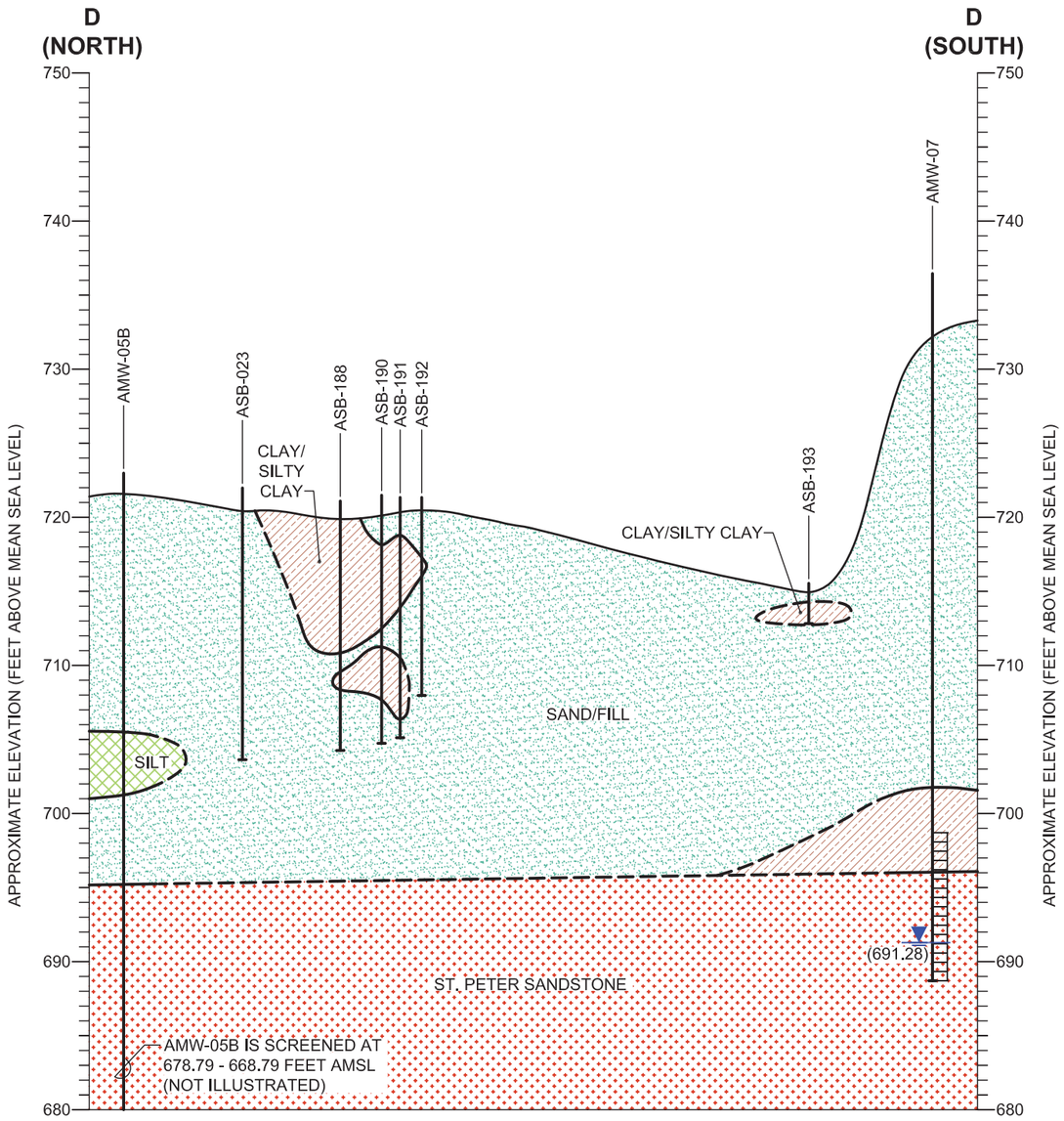
TWIN CITIES ASSEMBLY PLANT
FORD MOTOR COMPANY
ST. PAUL, MINNESOTA

CROSS SECTION C-C' (NORTH - SOUTH) (2 OF 2)

ARCADIS

FIGURE
6B

CITY: SYRACUSE NY DIV/GROUP:EnvCAD DB: E. KRAHMER LD:(Opt) PIC: R. ELLIS PM: R. ELLIS TM: T. WHARTON TR: K. HOEHN LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\DE0004400\0001100003\DWG\00440V01.dwg LAYOUT: 22B SAVED: 4/23/2013 3:44 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/23/2013 3:49 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ---
00440X02.JPG



LEGEND:

- ASB-235 — BORING ID
- GROUND SURFACE
- INFERRED BOUNDARY
- GROUNDWATER TABLE
- SCREEN INTERVAL
- END OF BORING
- SILT
- SAND/FILL
- CLAY/SILTY CLAY
- ST. PETER SANDSTONE

NOTES:

1. APPROXIMATE SANDSTONE BEDROCK DEPTH/THICKNESS BASED ON BORING LOG FOR AMW-07 (696 FT ASML), AND AMW-05 (698 FT AMSL).
2. WATER LEVEL DATA FROM OCTOBER 31, 2011 (WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL).

0 10' 20'
VERTICAL SCALE

0 200' 400'
HORIZONTAL SCALE

VERTICAL EXAGGERATION 20X

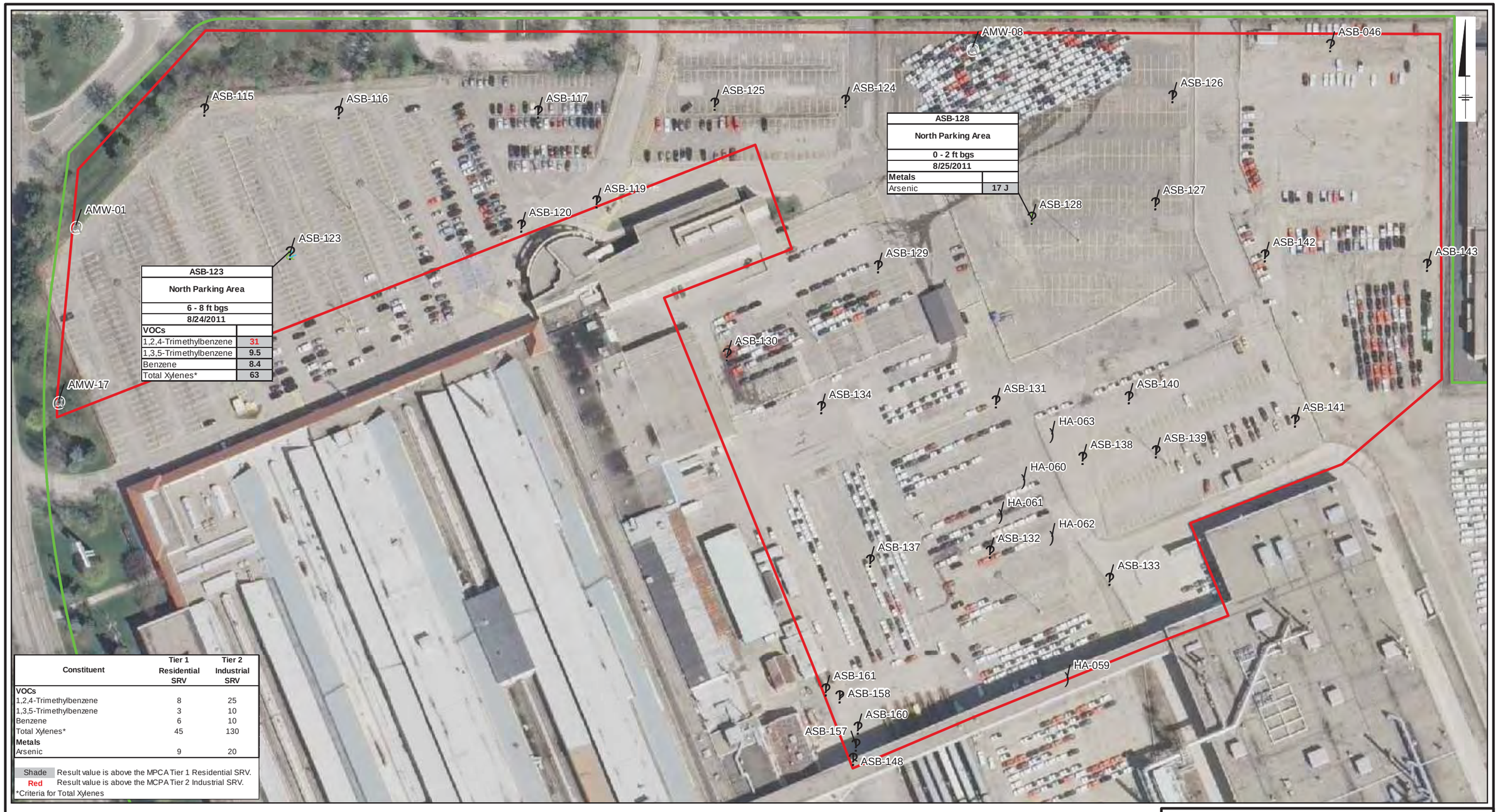
TWIN CITIES ASSEMBLY PLANT
FORD MOTOR COMPANY
ST. PAUL, MINNESOTA

CROSS SECTION D-D' (NORTH - SOUTH)

ARCADIS

FIGURE
7

CITY: SYRACUSE NY DIV/GROUP:EnvCAD DB: E. KRAHMER LD:(Opt) PIC: R. ELLIS PM: R. ELLIS TM: T. WHARTON TR: K. HOEHN LYR:(Opt)ON=*;OFF=*REF*
G:\ENV\CAD\SYRACUSE\ACT\DE000440\0001\100003\DWG\00440V01.dwg LAYOUT: 23 SAVED: 4/23/2013 3:44 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/23/2013 3:50 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ---
00440X02.JPG



Constituent	Tier 1 Residential SRV	Tier 2 Industrial SRV
VOCs		
1,2,4-Trimethylbenzene	8	25
1,3,5-Trimethylbenzene	3	10
Benzene	6	10
Total Xylenes*	45	130
Metals		
Arsenic	9	20

Shade — Result value is above the MPCA Tier 1 Residential SRV.
Red — Result value is above the MCPA Tier 2 Industrial SRV.
*Criteria for Total Xylenes

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
-) — Hand Auger
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Boring Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HA = Hand Auger
ft bgs - Feet Below Ground Surface
J = Estimated Result
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 65 130 260 Feet
1 inch = 130 feet

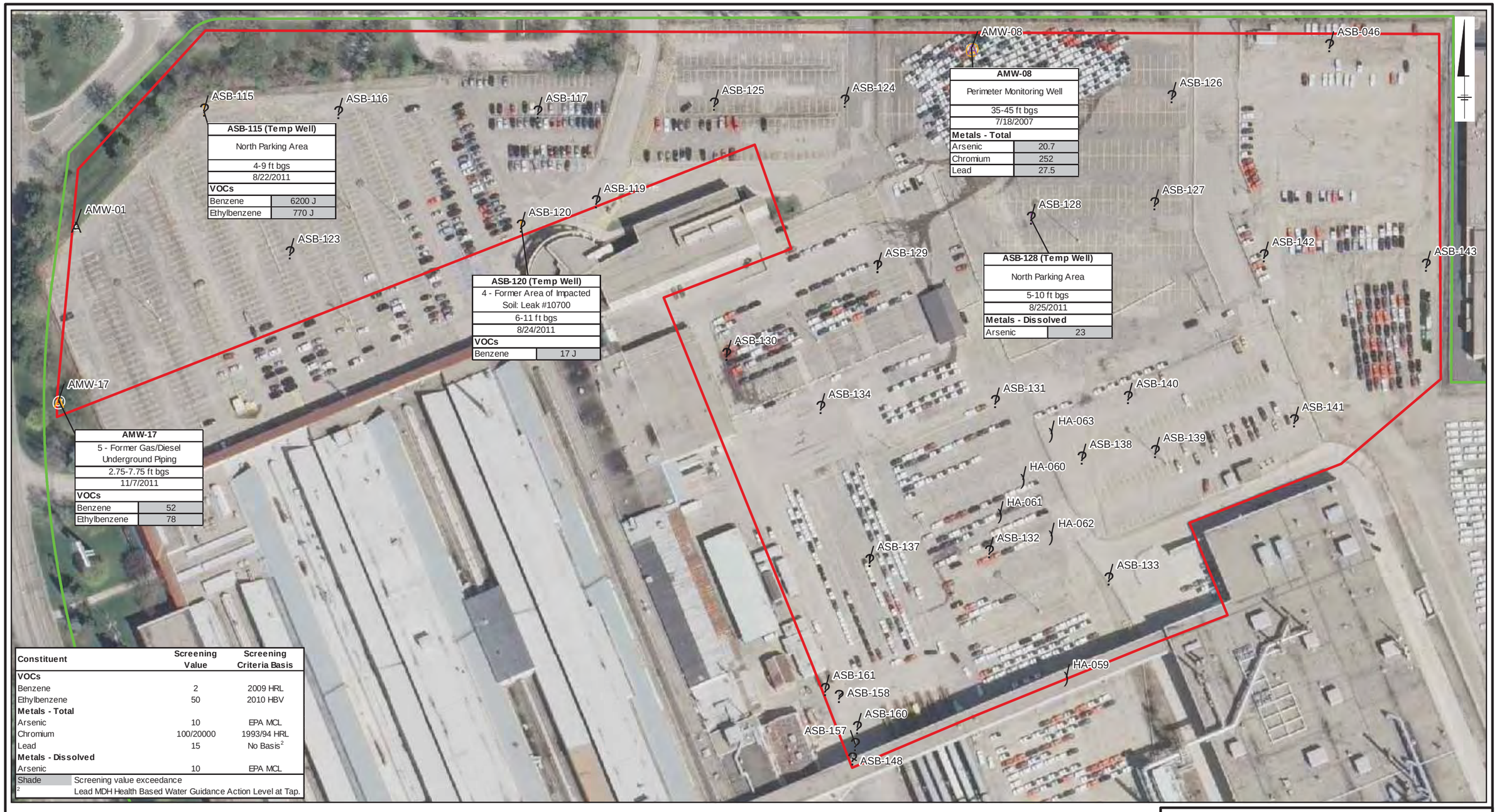
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 1 - North Parking Lot Area Locations & Soil Exceedances

ARCADIS

FIGURE 8

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA1_SO_Borings_20130523.mxd



Constituent	Screening Value	Screening Criteria Basis
VOCs		
Benzene	2	2009 HRL
Ethylbenzene	50	2010 HBV
Metals - Total		
Arsenic	10	EPA MCL
Chromium	100/20000	1993/94 HRL
Lead	15	No Basis[2]
Metals - Dissolved		
Arsenic	10	EPA MCL

Shade: Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
-) — Hand Auger
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)
Feature Number - Feature Name
Well Depth Interval (ft bgs)
Sample Date
Chemical / Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HA = Hand Auger
J = Estimated Result
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 65 130 260 Feet

1 inch = 130 feet

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 1 - North Parking Lot Area Locations & Groundwater Exceedances

ARCADIS

FIGURE 9

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford RangerArcMap\2013\2013-05\Supplemental_ExtFA1_GW_Borings_20130523.mxd

ASB-121	
5-Former Gas/Diesel Underground Piping	
5 - 7 ft bgs	
8/24/2011	
VOCs	
1,2,4-Trimethylbenzene	31
1,3,5-Trimethylbenzene	9.7
Total Xylenes*	82
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	5.893

ASB-121	
5-Former Gas/Diesel Underground Piping	
8 - 10 ft bgs	
8/24/2011	
VOCs	
1,2,4-Trimethylbenzene	110
1,3,5-Trimethylbenzene	35
Benzene	15
Naphthalene	11
Toluene	120
Total Xylenes*	327

ASB-122	
5-Former Gas/Diesel Underground Piping	
6 - 8 ft bgs	
8/24/2011	
VOCs	
1,2,4-Trimethylbenzene	64
1,3,5-Trimethylbenzene	20
Benzene	9.2
Total Xylenes*	162

ASB-001	
16 - Former Gas/Spirits/Thinner USTs	
6-8 ft bgs	
6/19/2007	
VOCs	
1,2,4-Trimethylbenzene	12
1,3,5-Trimethylbenzene	3.5
Total Xylenes*	178

ASB-002	
16 - Former Gas/Spirits/Thinner USTs	
8 - 10 ft bgs	
6/20/2007	
VOCs	
1,2,4-Trimethylbenzene	57
1,3,5-Trimethylbenzene	18
Naphthalene	24

ASB-159	
16-Former Gas/Spirits/Thinner USTs	
5 - 7 ft bgs	
9/2/2011	
VOCs	
1,2,4-Trimethylbenzene	28
1,3,5-Trimethylbenzene	5

Constituent	Tier 1 Residential SRV	Tier 2 Industrial SRV
VOCs		
1,2,4-Trimethylbenzene	8	25
1,3,5-Trimethylbenzene	3	10
Benzene	6	10
Naphthalene	10	28
Toluene	107	305
Total Xylenes*	45	130
SVOCs		
Benzo(a)pyrene (BaP) Equivalents	2	3

Shade Result value is above the MPCA Tier 1 Residential SRV.
Red Result value is above the MCPA Tier 2 Industrial SRV.
*Criteria for Total Xylenes

ASB-048
ASB-045
ASB-121
ASB-122
ASB-118
AMW-16
ASB-030
ASB-047
ASB-136
AMW-14
ASB-001
AMW-15
ASB-002
ASB-159
ASB-147
ASB-146
ASB-145

LEGEND:

- A Monitoring Well
- ? Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Boring Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 65 130 260 Feet
1 inch = 130 feet

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 2 - Open LUST Releases Locations & Soil Exceedances

ARCADIS

FIGURE 10

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA2_SO_Borings_20130523.mxd

AMW-16	
5 - Former Gas/Diesel Underground Piping	
2.75-7.75 ft bgs	
11/7/2011	
VOCs	
1,2,4-Trimethylbenzene	1500
1,3,5-Trimethylbenzene	330
Ethylbenzene	1400
Total Xylenes	3900

ASB-030 (Temp Well)	
5 - Former Gas/Diesel Underground Piping	
3-8 ft bgs	
6/28/2007	
VOCs	
Benzene	80
Ethylbenzene	120
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	0.12828
Metals - Total	
Lead	231

ASB-047 (Temp Well)	
5 - Former Gas/Diesel Underground Piping	
5-10 ft bgs	
7/6/2007	
VOCs	
Benzene	84
Ethylbenzene	84
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	23.714
Metals - Total	
Lead	534

ASB-118 (Temp Well)	
North Parking Area	
7-12 ft bgs	
8/23/2011	
VOCs	
Benzene	120

AMW-14	
16 - Former Gas/Spirits/Thinner USTs	
7-12 ft bgs	
11/7/2011	
VOCs	
1,2,4-Trimethylbenzene	120
Ethylbenzene	220
Total Xylenes	710

ASB-001 (Temp Well)	
16 - Former Gas/Spirits/Thinner USTs	
7-12 ft bgs	
6/20/2007	
VOCs	
1,2,4-Trimethylbenzene	1700
1,3,5-Trimethylbenzene	450 J
Ethylbenzene	11000
Isopropylbenzene	320 J
Naphthalene	400 J
Total Xylenes	46000
SVOCs	
Naphthalene	2120
Metals - Total	
Arsenic	247
Barium	6610
Cadmium	15.4 J
Chromium	473
Lead	935

AMW-15	
16 - Former Gas/Spirits/Thinner USTs	
8-13 ft bgs	
11/7/2011	
VOCs	
1,2,4-Trimethylbenzene	1500 J
1,3,5-Trimethylbenzene	200
Benzene	690
Ethylbenzene	1500 J
Naphthalene	620
Total Xylenes	2110
SVOCs	
Naphthalene	400
Metals - Dissolved	
Arsenic	12

Constituent	Screening Value	Screening Criteria Basis
VOCs		
1,2,4-Trimethylbenzene	100	2010 RAA
1,3,5-Trimethylbenzene	100	2009 HRL
Benzene	2	2009 HRL
Ethylbenzene	50	2010 HBV
Isopropylbenzene	300	1993/94 HRL
Naphthalene	300	1993/94 HRL
Total Xylenes	300	2010 HBV
SVOCs		
Naphthalene	300	1993/94 HRL
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV
Metals - Total		
Arsenic	10	EPA MCL
Barium	2000	1993/94 HRL
Cadmium	4	1993/94 HRL
Chromium	100/20000	1993/94 HRL
Lead	15	No Basis[2]
Metals - Dissolved		
Arsenic	10	EPA MCL
Shade	Screening value exceedance	
[2]	Lead MDH Health Based Water Guidance Action Level at Tap.	

LEGEND:

- A Monitoring Well
- ? Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
J = Estimated Result
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 65 130 260 Feet

1 inch = 130 feet

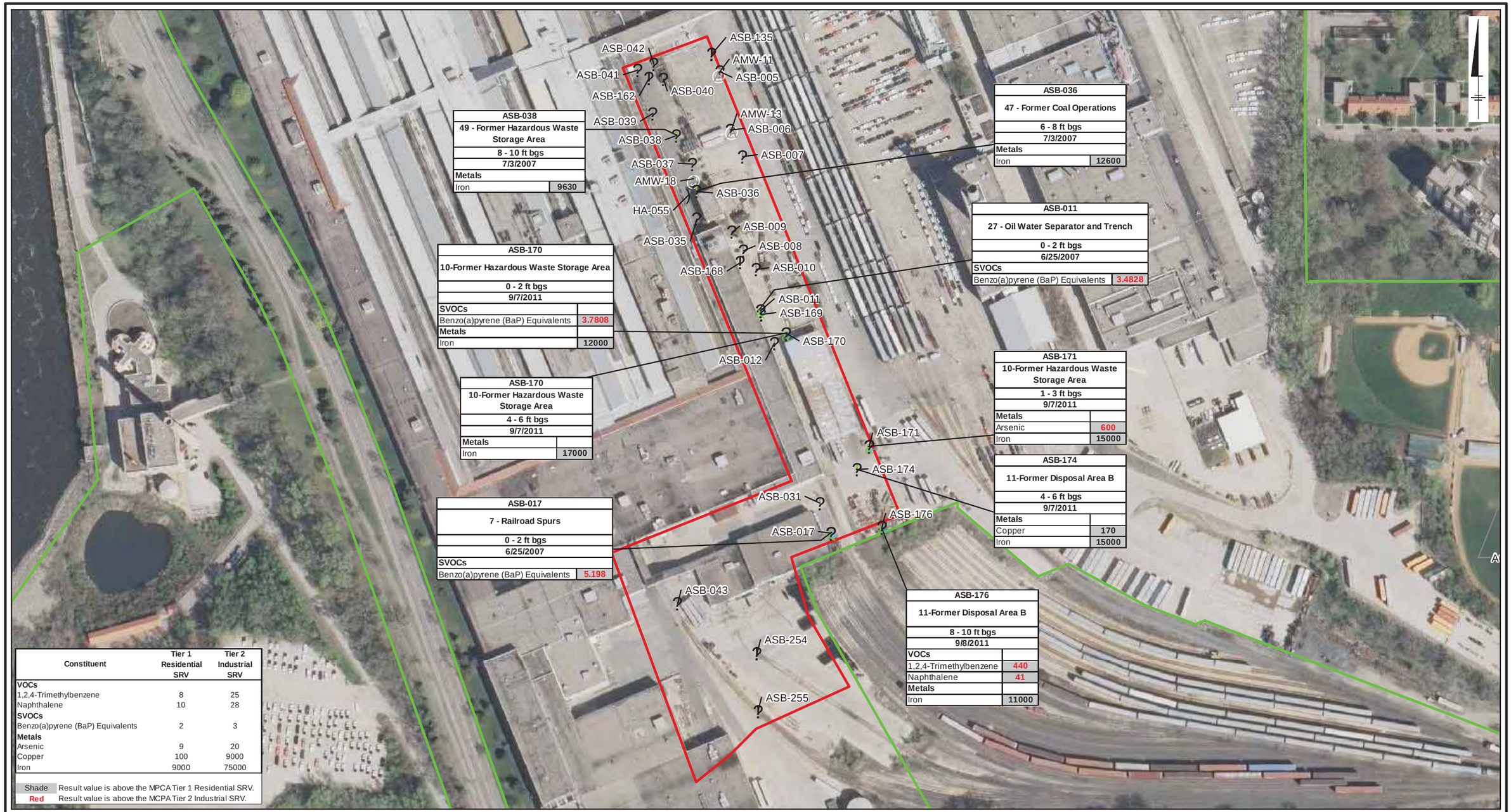
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 2 - Open LUST Releases Locations & Groundwater Exceedances

ARCADIS

FIGURE 11

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA2_GW_Borings_20130523.mxd



ASB-038
49 - Former Hazardous Waste Storage Area
8 - 10 ft bgs
7/3/2007
Metals
Iron 9630

ASB-036
47 - Former Coal Operations
6 - 8 ft bgs
7/3/2007
Metals
Iron 12600

ASB-011
27 - Oil Water Separator and Trench
0 - 2 ft bgs
6/25/2007
SVOCs
Benzo(a)pyrene (BaP) Equivalents 3.4828

ASB-170
10-Former Hazardous Waste Storage Area
0 - 2 ft bgs
9/7/2011
SVOCs
Benzo(a)pyrene (BaP) Equivalents 3.7808
Metals
Iron 12000

ASB-170
10-Former Hazardous Waste Storage Area
4 - 6 ft bgs
9/7/2011
Metals
Iron 17000

ASB-171
10-Former Hazardous Waste Storage Area
1 - 3 ft bgs
9/7/2011
Metals
Arsenic 600
Iron 15000

ASB-174
11-Former Disposal Area B
4 - 6 ft bgs
9/7/2011
Metals
Copper 170
Iron 15000

ASB-017
7 - Railroad Spurs
0 - 2 ft bgs
6/25/2007
SVOCs
Benzo(a)pyrene (BaP) Equivalents 5.198

ASB-176
11-Former Disposal Area B
8 - 10 ft bgs
9/8/2011
VOCs
1,2,4-Trimethylbenzene 440
Naphthalene 41
Metals
Iron 11000

Constituent	Tier 1 Residential SRV	Tier 2 Industrial SRV
VOCs		
1,2,4-Trimethylbenzene	8	25
Naphthalene	10	28
SVOCs		
Benzo(a)pyrene (BaP) Equivalents	2	3
Metals		
Arsenic	9	20
Copper	100	9000
Iron	9000	75000

Shade — Result value is above the MPCA Tier 1 Residential SRV.
Red — Result value is above the MCPA Tier 2 Industrial SRV.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
-) — Hand Auger
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Boring Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:
Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HA = Hand Auger
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 90 180 360 Feet
1 inch = 180 feet

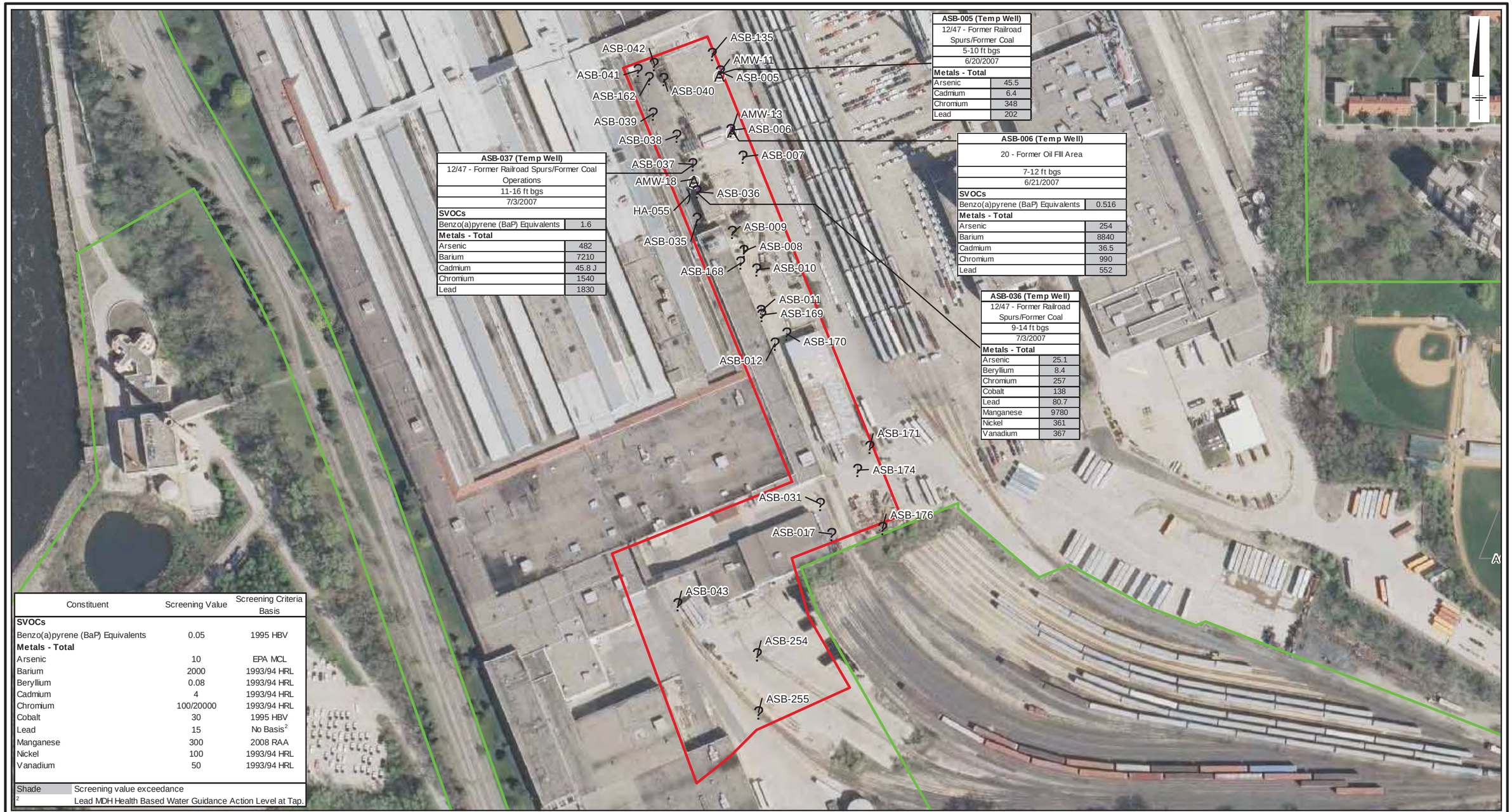
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 4 -
Former Hazardous Waste Storage Areas
Locations & Soil Exceedances

ARCADIS

FIGURE
12

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA4_SO_Borings_20130523.mxd



ASB-005 (Temp Well)	
12/47 - Former Railroad Spurs/Former Coal	
5-10 ft bgs	
6/20/2007	
Metals - Total	
Arsenic	45.5
Cadmium	6.4
Chromium	348
Lead	202

ASB-037 (Temp Well)	
12/47 - Former Railroad Spurs/Former Coal Operations	
11-16 ft bgs	
7/3/2007	
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	1.6
Metals - Total	
Arsenic	482
Barium	7210
Cadmium	45.8 J
Chromium	1540
Lead	1830

ASB-006 (Temp Well)	
20 - Former Oil Fill Area	
7-12 ft bgs	
6/21/2007	
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	0.516
Metals - Total	
Arsenic	254
Barium	8840
Cadmium	36.5
Chromium	990
Lead	552

ASB-036 (Temp Well)	
12/47 - Former Railroad Spurs/Former Coal	
9-14 ft bgs	
7/3/2007	
Metals - Total	
Arsenic	25.1
Beryllium	8.4
Chromium	257
Cobalt	138
Lead	80.7
Manganese	9780
Nickel	361
Vanadium	367

Constituent	Screening Value	Screening Criteria Basis
SVOCs		
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV
Metals - Total		
Arsenic	10	EPA MCL
Barium	2000	1993/94 HRL
Beryllium	0.08	1993/94 HRL
Cadmium	4	1993/94 HRL
Chromium	100/20000	1993/94 HRL
Cobalt	30	1995 HBV
Lead	15	No Basis[2]
Manganese	300	2008 RAA
Nickel	100	1993/94 HRL
Vanadium	50	1993/94 HRL

Shade: Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
-) — Hand Auger
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
J = Estimated Result
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 90 180 360 Feet

1 inch = 180 feet

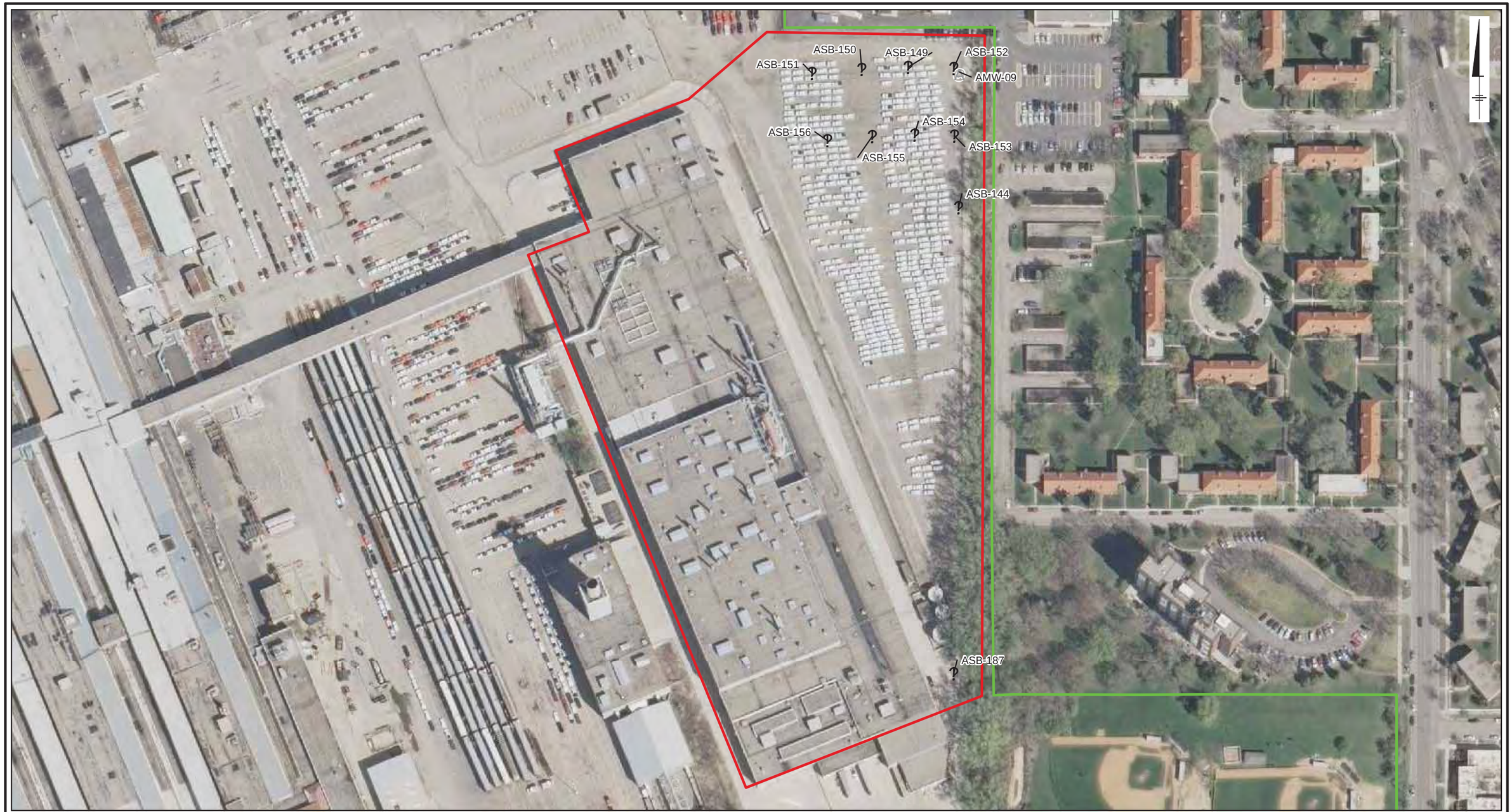
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 4 -
Former Hazardous Waste Storage Areas
Locations & Groundwater Exceedances

ARCADIS

FIGURE
13

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA4_GW_Borings_20130523.mxd



LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

NOTES:

Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county
http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 75 150 300 Feet

1 inch = 150 feet

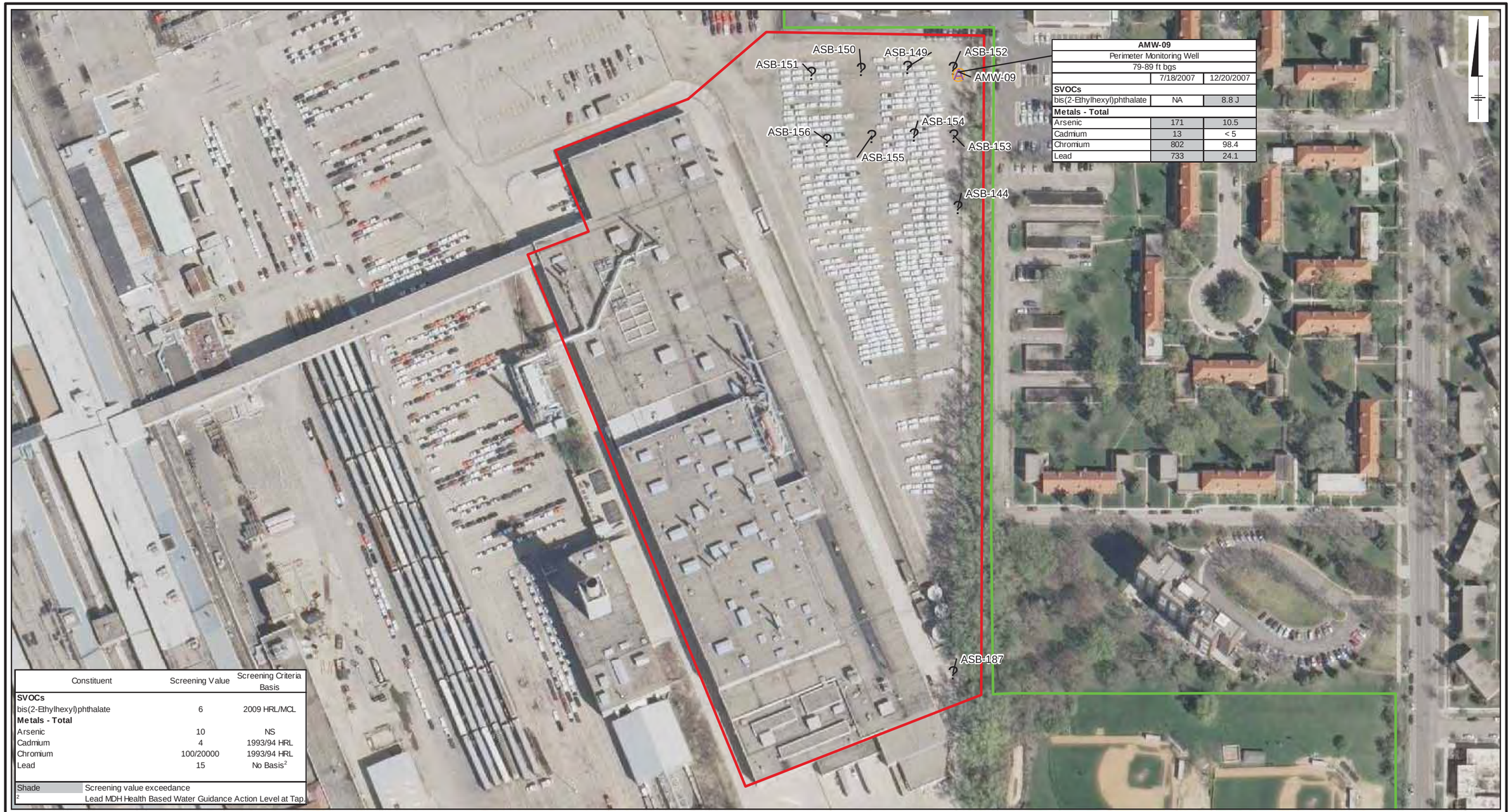
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 5 - Paint Shop Locations & Soil Exceedances

ARCADIS

FIGURE 14

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA5_SO_Borings_20130523.mxd



AMW-09		
Perimeter Monitoring Well		
79-89 ft bgs		
	7/18/2007	12/20/2007
SVOCs		
bis(2-Ethylhexyl)phthalate	NA	8.8 J
Metals - Total		
Arsenic	171	10.5
Cadmium	13	< 5
Chromium	802	98.4
Lead	733	24.1

Constituent	Screening Value	Screening Criteria Basis
SVOCs		
bis(2-Ethylhexyl)phthalate	6	2009 HRL/MCL
Metals - Total		
Arsenic	10	NS
Cadmium	4	1993/94 HRL
Chromium	100/20000	1993/94 HRL
Lead	15	No Basis[2]

Shade — Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
< = Not Detected at Reporting Limit
J = Estimated Result
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 75 150 300 Feet

1 inch = 150 feet

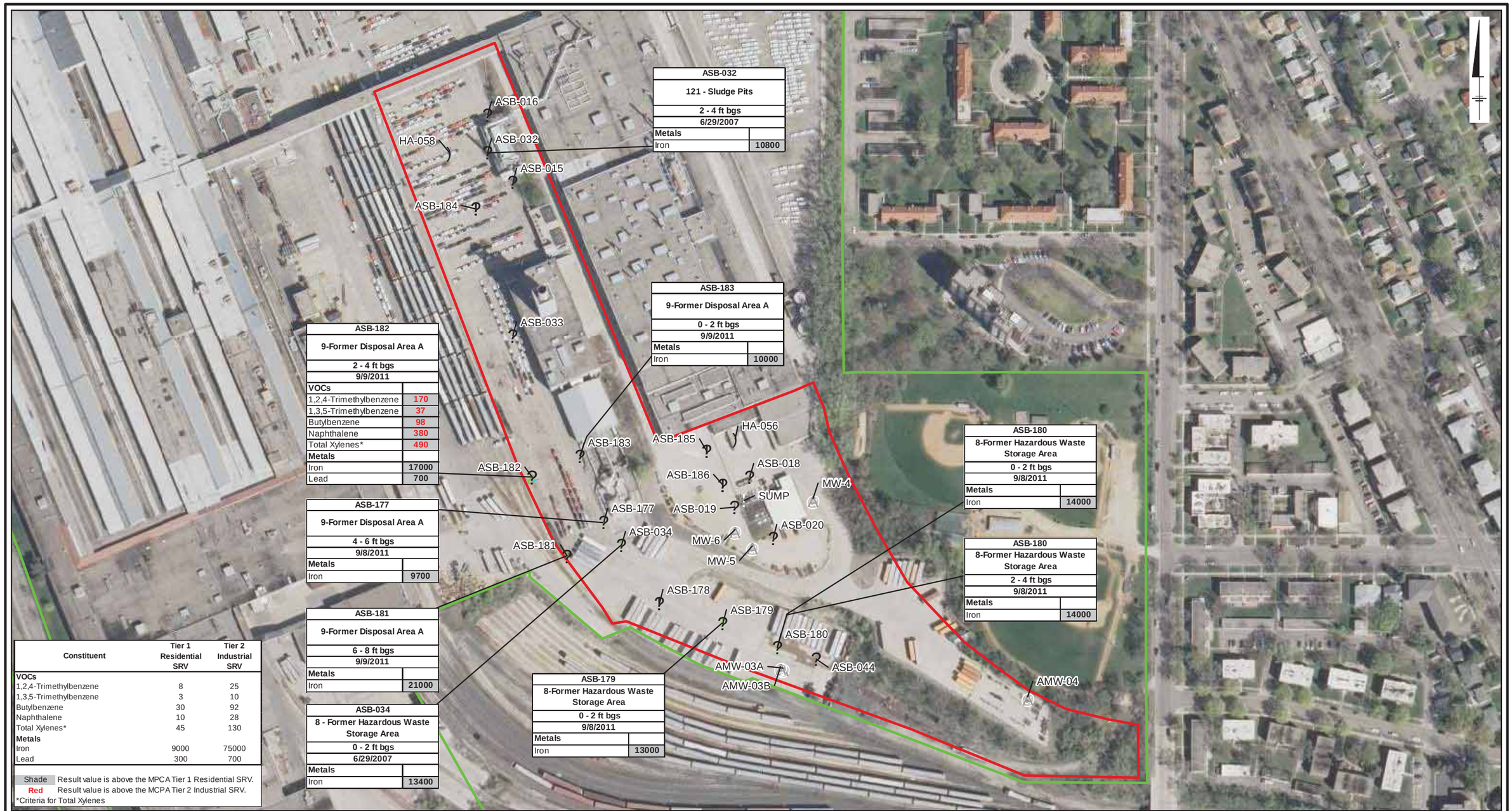
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 5 - Paint Shop Locations & Groundwater Exceedances

ARCADIS

FIGURE 15

CITY: Minneapolis, MN DB: MGriess PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA5_GW_Borings_20130523.mxd



Constituent	Tier 1 Residential SRV	Tier 2 Industrial SRV
VOCs		
1,2,4-Trimethylbenzene	8	25
1,3,5-Trimethylbenzene	3	10
Butylbenzene	30	92
Naphthalene	10	28
Total Xylenes*	45	130
Metals		
Iron	9000	75000
Lead	300	700

Shade Result value is above the MPCA Tier 1 Residential SRV.
Red Result value is above the MCPA Tier 2 Industrial SRV.
*Criteria for Total Xylenes

LEGEND:

- A Monitoring Well
- ? Soil Boring
-) Hand Auger
- < Sump
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Boring Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:
Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HA = Hand Auger
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 100 200 400 Feet
1 inch = 200 feet

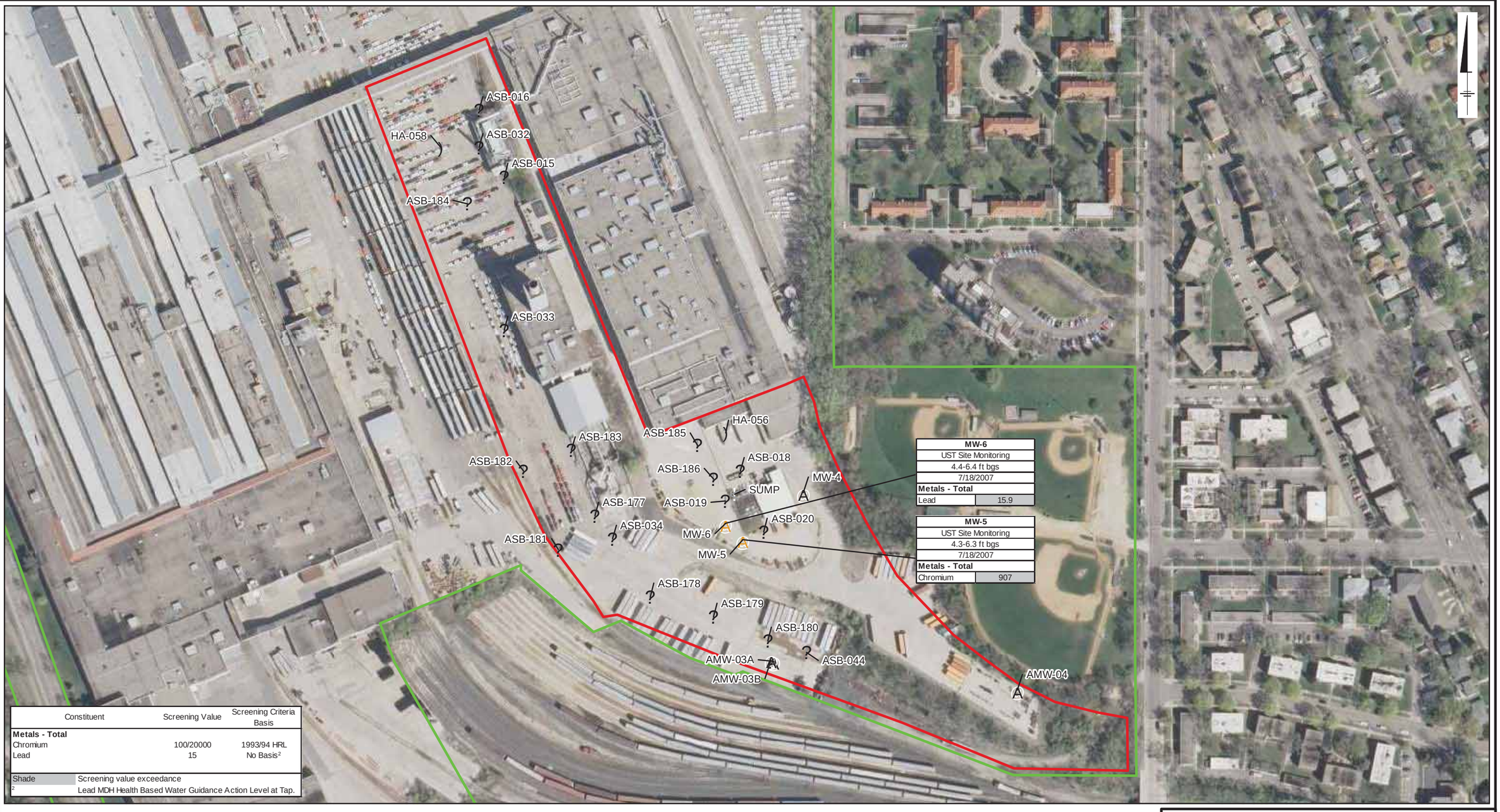
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 6 - Former Hazardous Waste Storage and Disposal Areas Locations & Soil Exceedances

ARCADIS

FIGURE 16

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA6_SO_Borings_20130523.mxd



Constituent	Screening Value	Screening Criteria Basis
Metals - Total		
Chromium	100/20000	1993/94 HRL
Lead	15	No Basis[2]

Shade — Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
-) — Hand Auger
- < — Sump
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HA = Hand Auger
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 100 200 400 Feet

1 inch = 200 feet

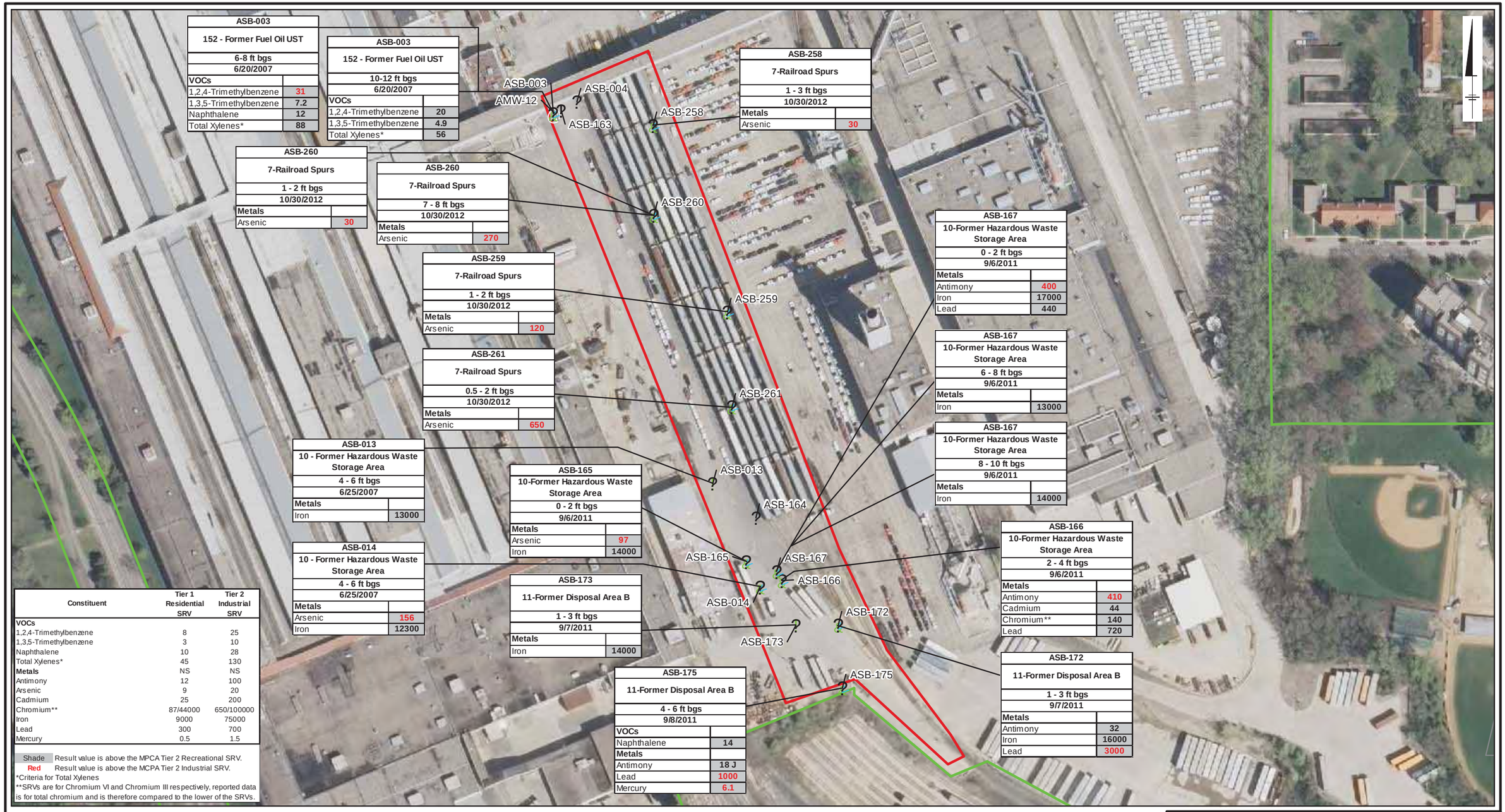
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 6 - Former Hazardous Waste Storage and Disposal Areas Locations & Groundwater Exceedances

ARCADIS

FIGURE 17

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA6_GW_Borings_20130523.mxd



Constituent	Tier 1 Residential SRV	Tier 2 Industrial SRV
VOCs		
1,2,4-Trimethylbenzene	8	25
1,3,5-Trimethylbenzene	3	10
Naphthalene	10	28
Total Xylenes*	45	130
Metals	NS	NS
Antimony	12	100
Arsenic	9	20
Cadmium	25	200
Chromium**	87/44000	650/100000
Iron	9000	75000
Lead	300	700
Mercury	0.5	1.5

Shade Result value is above the MPCA Tier 2 Recreational SRV.
Red Result value is above the MCPA Tier 2 Industrial SRV.
*Criteria for Total Xylenes
**SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of the SRVs.

LEGEND:

- A Monitoring Well
- ? Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Boring Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:
Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
J = Estimated Result
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 75 150 300 Feet
1 inch = 150 feet

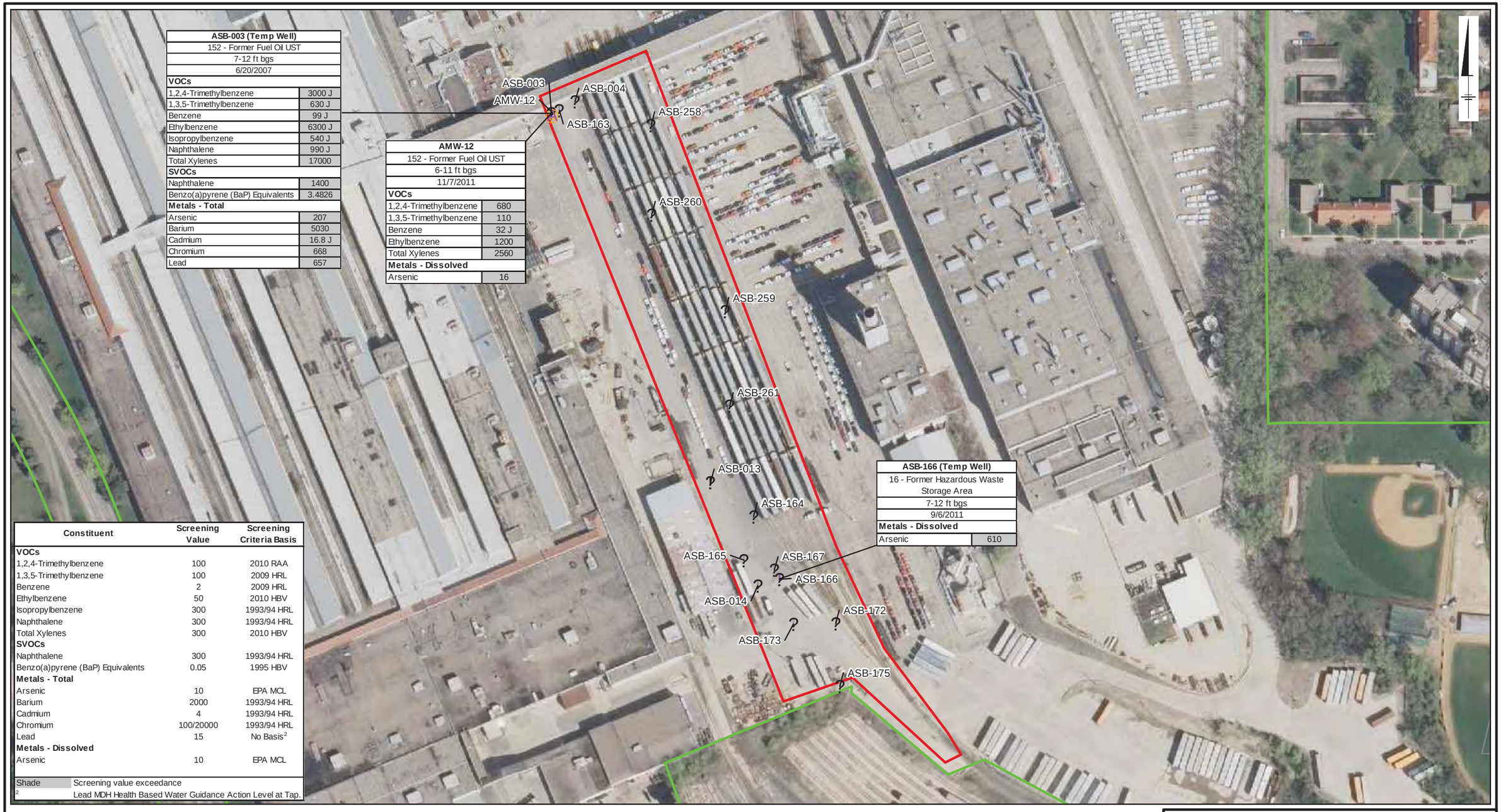
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 7 - Railroad Tracks Locations & Soil Exceedances

ARCADIS

FIGURE 18

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA7_SO_Borings_20130523.mxd



ASB-003 (Temp Well)	
152 - Former Fuel Oil UST	
7-12 ft bgs	
6/20/2007	
VOCs	
1,2,4-Trimethylbenzene	3000 J
1,3,5-Trimethylbenzene	630 J
Benzene	99 J
Ethylbenzene	6300 J
Isopropylbenzene	540 J
Naphthalene	990 J
Total Xylenes	17000
SVOCs	
Naphthalene	1400
Benzo(a)pyrene (BaP) Equivalents	3.4826
Metals - Total	
Arsenic	207
Barium	5030
Cadmium	16.8 J
Chromium	668
Lead	657

AMW-12	
152 - Former Fuel Oil UST	
6-11 ft bgs	
11/7/2011	
VOCs	
1,2,4-Trimethylbenzene	680
1,3,5-Trimethylbenzene	110
Benzene	32 J
Ethylbenzene	1200
Total Xylenes	2560
Metals - Dissolved	
Arsenic	16

ASB-166 (Temp Well)	
16 - Former Hazardous Waste Storage Area	
7-12 ft bgs	
9/6/2011	
Metals - Dissolved	
Arsenic	610

Constituent	Screening Value	Screening Criteria Basis
VOCs		
1,2,4-Trimethylbenzene	100	2010 RAA
1,3,5-Trimethylbenzene	100	2009 HRL
Benzene	2	2009 HRL
Ethylbenzene	50	2010 HBV
Isopropylbenzene	300	1993/94 HRL
Naphthalene	300	1993/94 HRL
Total Xylenes	300	2010 HBV
SVOCs		
Naphthalene	300	1993/94 HRL
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV
Metals - Total		
Arsenic	10	EPA MCL
Barium	2000	1993/94 HRL
Cadmium	4	1993/94 HRL
Chromium	100/20000	1993/94 HRL
Lead	15	No Basis[2]
Metals - Dissolved		
Arsenic	10	EPA MCL

Shade — Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
J = Estimated Result
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county
http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 75 150 300 Feet

1 inch = 150 feet

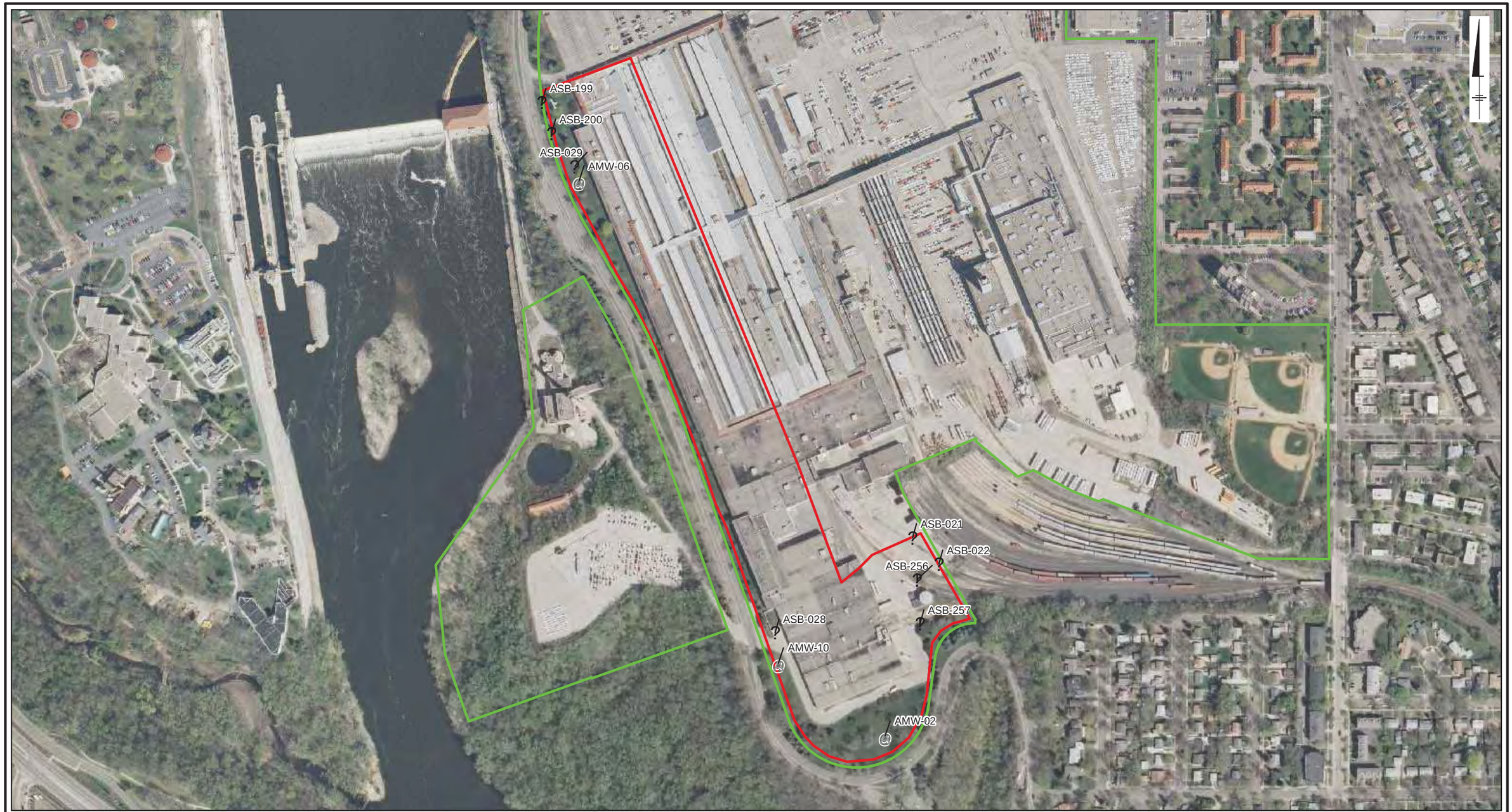
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 7 - Railroad Tracks Locations & Groundwater Exceedances

ARCADIS

FIGURE 19

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_Ext\FA7_GW_Borings_20130523.mxd



LEGEND:

- A Monitoring Well
- ? Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 1 Residential SRV Exceedance
- Tier 2 Industrial SRV Exceedance

NOTES:

Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county
http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 175 350 700 Feet

1 inch = 350 feet

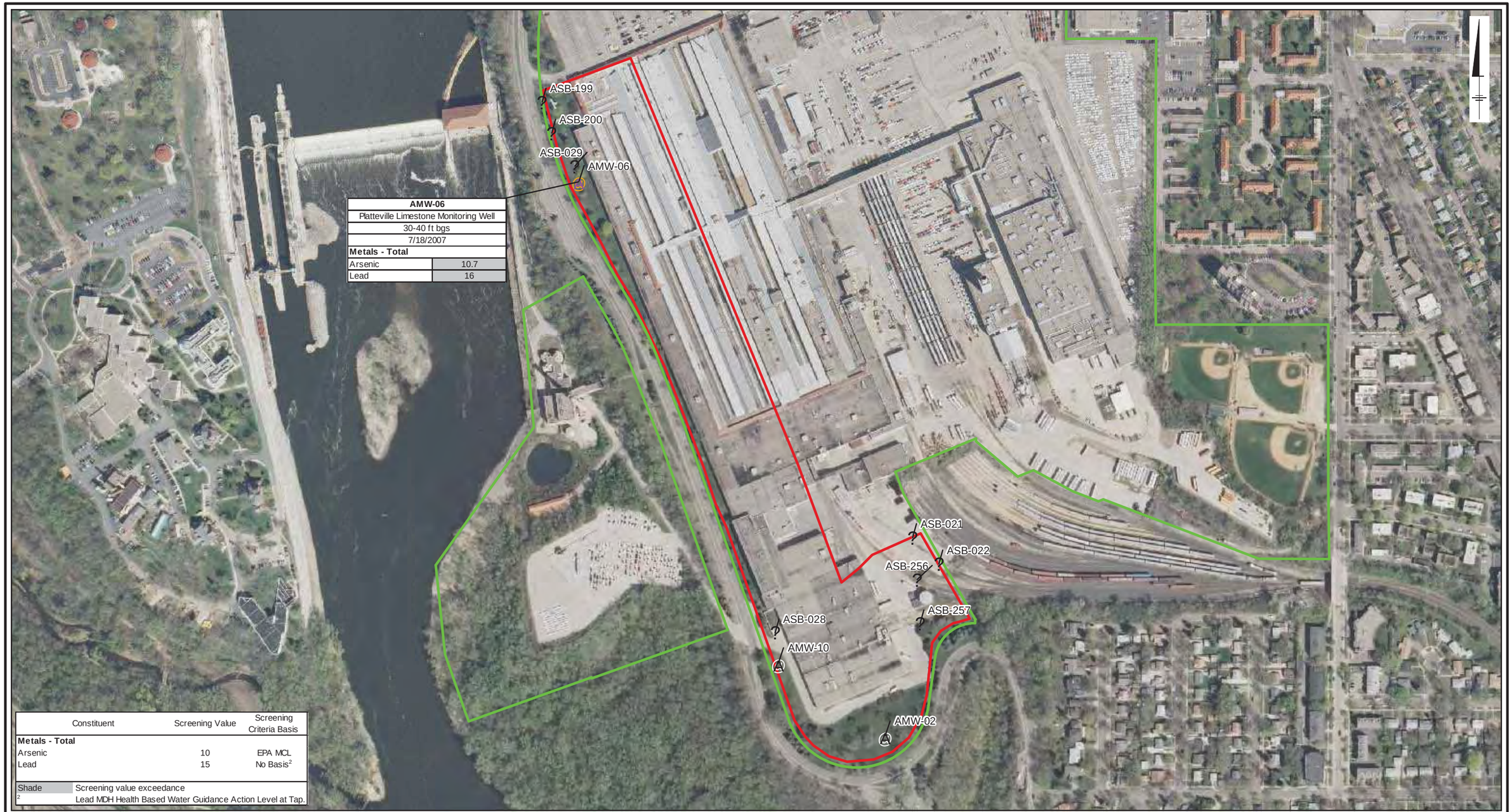
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 9 - Main Assembly Building (Specific to Residential Cleanup) Locations & Soil Exceedances

ARCADIS

FIGURE 20

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA9_SO_Borings_20130523.mxd



AMW-06	
Platteville Limestone Monitoring Well	
30-40 ft bgs	
7/18/2007	
Metals - Total	
Arsenic	10.7
Lead	16

Constituent	Screening Value	Screening Criteria Basis
Metals - Total		
Arsenic	10	EPA MCL
Lead	15	No Basis[2]

Shade — Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 175 350 700 Feet

1 inch = 350 feet

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 9 - Main Assembly Building (Specific to Residential Cleanup) Locations & Groundwater Exceedances

ARCADIS

FIGURE 21

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford RangerArcMap\2013\2013-05\Supplemental_ExtFA9_GW_Borings_20130523.mxd

ASB-027	
44/134/140 - Wastewater Collection ASTs/Wastewater Treatment Area/Former Waste Disposal Area	
4 - 6 ft bgs	
6/27/2007	
Metals	
Antimony	74.1
Iron	15600
Lead	1070

ASB-025	
44/134/140 - Wastewater Collection ASTs/WWT Area/Former Waste Disposal Area	
12 - 14 ft bgs	
6/27/2007	
Metals	
Iron	18500

ASB-026	
41 - Former Fuel Oil ASTs	
4 - 6 ft bgs	
6/27/2007	
Metals	
Iron	17700

ASB-197	
42-Former Fuel Oil ASTs	
4 - 6 ft bgs	
11/4/2011	
Metals	
Iron	14000

ASB-196	
42-Former Fuel Oil ASTs	
4 - 6 ft bgs	
11/4/2011	
Metals	
Iron	16000

ASB-198	
42-Former Fuel Oil ASTs	
6 - 8 ft bgs	
11/4/2011	
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	63.356

ASB-195	
153-Former Coal Gasification Plant	
6 - 8 ft bgs	
9/12/2011	
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	5.0392

Constituent	Tier 2 Recreational SRV	Tier 2 Industrial SRV
SVOCs		
Benzo(a)pyrene (BaP) Equivalents	2	3
Metals		
Antimony	16	100
Iron	12000	75000
Lead	300	700

Shade — Result value is above the MPCA Tier 2 Recreational SRV.
Red — Result value is above the MCPA Tier 2 Industrial SRV.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- Tier 2 Recreational SRV Exceedance
- Tier 2 Industrial SRV Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Boring Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in milligrams per kilogram (mg/kg).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
ft bgs - Feet Below Ground Surface
MPCA = Minnesota Pollution Control Agency
SRV = Soil Reference Value
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 65 130 260 Feet
1 inch = 130 feet

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 11 - Wastewater Treatment Plant Locations & Soil Exceedances

ARCADIS

FIGURE 22

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA11_SO_Borings_20130523.mxd

AMW-05B	
St. Peter Sandstone Monitoring Well	
19-29 ft bgs	
7/24/2007	
Metals - Total	
Lead	77.6

AMW-07	
St. Peter Sandstone Monitoring Well	
35-45 ft bgs	
7/17/2007	
SVOCs	
Benzo(a)pyrene (BaP) Equivalents	0.868

Constituent	Screening Value	Screening Criteria Basis
SVOCs		
Benzo(a)pyrene (BaP) Equivalents	0.05	1995 HBV
Metals - Total		
Lead	15	No Basis[2]

Shade: Screening value exceedance

[2] Lead MDH Health Based Water Guidance Action Level at Tap.

LEGEND:

- A — Monitoring Well
- ? — Soil Boring
- Ford Property Boundary
- Focus Area
- Not Sampled
- No Exceedance
- MDH HRL/HBV/RAA Exceedance
- EPA Arsenic MCL Exceedance

Location ID (Boring)	
Feature Number - Feature Name	
Well Depth Interval (ft bgs)	
Sample Date	
Chemical	Result

NOTES:

Results reported in micrograms per liter (ug/L).
AMW = ARCADIS Monitoring Well
ASB = ARCADIS Soil Boring
HBV = Health Based Value
HRL = Health Risk Limit
RAA = Risk Assessment Advice
Imagery Source: MnGeo WMS service, 2010 color 7-county http://geoint.lmic.state.mn.us/cgi-bin/wms? Accessed 1/16/2013

0 65 130 260 Feet

1 inch = 130 feet

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Focus Area 11 - Wastewater Treatment Plant Locations & Groundwater Exceedances

ARCADIS

FIGURE 23

CITY: Minneapolis, MN DB: MGress PM: Bryan Zinda
Project MN000593
Path: G:\GIS\Projects\Ford Ranger\ArcMap\2013\2013-05\Supplemental_ExtFA11_GW_Borings_20130523.mxd

Appendix A

Soil Boring Logs

Date Start/Finish: 8/22/2011 / 8/22/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973794.99
Easting: 484386.88
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 808.64

Descriptions By: KH

Well/Boring ID: **ASB-115**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SM		(0.0 - 5.0) SILTY SAND, very fine to medium, subround to subangular, dry
-1		17.2				
-2	12					
-3		36.3				
-4						
-5		26.7		CL		(5.0 - 6.1) LEAN CLAY, medium plasticity, little medium to coarse sand, trace silt, very soft to soft, moist, mottled green/blue/gray, odor
-6	27			ML		(6.1 - 6.8) SILT, some very fine to fine sand, moist, black
-7		524.1		SM		(6.8 - 8.0) SILTY SAND, fine to coarse, mostly medium, little very coarse to granules, trace medium pebbles, subround to subangular, poorly sorted, wet, black, strong odor
-8						(8.0 - 8.3) POORLY GRADED SAND, fine to granules, mostly coarse, little silt,

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-115_2-4 (20110822), ASB-115_4-6 (20110822).
Samples analyzed for VOCs, GRO, DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Shale) at 12 ft.

Date Start/Finish: 8/22/2011 / 8/22/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973794.99
Easting: 484386.88
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 808.64

Descriptions By: KH

Well/Boring ID: **ASB-115**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SP		subangular to subround, well sorted, odor, loose
				CL		(8.3 - 12.0) LEAN CLAY, little very fine to coarse sand, trace silt, very soft to very hard, dark greenish gray (GLEY 1 4/10GY), till
-9		327.2				
-10	48					
-11		98.2				
-12						

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-115_2-4 (20110822), ASB-115_4-6 (20110822).
Samples analyzed for VOCs, GRO, DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Shale) at 12 ft.

Date Start/Finish: 8/22/2011 / 8/22/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 1

Drilled Depth (ft): 9
Surface Elevation (ft): NA

Descriptions By: KH

Well/Boring ID: **ASB-116**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SM		(0.0 - 0.7) SILTY SAND, some very fine to medium sand, dry
-1		3.0		ML		(0.7 - 1.4) SILT WITH SAND, nonplastic, no dilatancy, very fine to medium, trace clay and coarse sand to granules, subround to subangular, medium stiff, slightly moist
-2	22			SM		(1.4 - 6.1) SILTY SAND, very fine to medium, mostly fine, subround, little coarse to small pebbles, subangular, dry to slightly moist, mottled yellow and gray brown
-3		2.8				
-4						
-5		54.8				
-6	37			ML		(6.1 - 6.6) SILT, nonplastic, no dilatancy, trace organics, stiff to very stiff, slightly moist
-7		1.8		ML		(6.6 - 7.2) SANDY SILT, nonplastic, no dilatancy, fine to coarse, subangular, trace granule to small pebbles, crumbly, dry, light olive brown (2.5Y 5/6) and greenish gray (GLEY1 5/10GY)
				ML		(7.2 - 8.0) SILT, nonplastic, no dilatancy, trace organics, stiff, slightly moist, mottled
-8				ML		(8.0 - 8.3) SANDY SILT, very fine to medium, mostly fine, subround, soft, wet
	26	2.8		CL		(8.3 - 9.0) LEAN CLAY, very stiff, dry, crumbly, mottled olive (5Y 5/3)
-9						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-116_4-6 (20110822), ASB-116_6-8 (20110822).
Samples analyzed for VOCs, GRO, DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Shale) at 9 ft.

Date Start/Finish: 8/23/2011 / 8/23/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973794.24
Easting: 484525.94
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 811.71

Descriptions By: KH

Well/Boring ID: **ASB-117**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.2) POORLY GRADED SAND, medium to very coarse, little granules to small pebbles, subangular to subround, well sorted
-1		2.7				
				ML		(1.2 - 3.2) SILT, little fine to medium sand, trace mottled clay and very coarse sand to small pebbles, stiff
-2	36					
		3.0				
-3						
				ML		(3.2 - 4.0) SILT, non plastic to low plasticity, no dilatancy, little very fine sand, trace clay and organics, medium stiff to stiff, black
-4						
				SP		(4.0 - 5.9) POORLY GRADED SAND, fine to very coarse, mostly medium to coarse, little granules, trace small pebbles, well sorted, loose, wet; seams of sandy silt, very fine to medium grained, very soft, wet
-5		1.4				
-6	48			SP		(5.9 - 7.4) POORLY GRADED SAND, very fine to fine, little silt, round, medium dense, wet, mottled greenish gray (GLEY1 5/10GY; GLEY1 5/5GY) and olive gray (5Y 5/2)
-7		1.9				
				SW		(7.4 - 8.0) WELL GRADED SAND, very fine to very coarse, mostly medium to coarse, little granules to medium pebbles, subangular to subround, trace medium pebbles, subangular, poorly sorted, wet
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-117_0-2 (20110823), ASB-117_2-4 (20110823).
Samples analyzed for DRO, PCBs, RCRA Metals, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 8/23/2011 / 8/23/2011 **Drilling Company:** Stevens Drilling & Environmental **Driller's Name:** Dan Hunter **Drilling Method:** Geoprobe **Sampling Method:** Macrocore	**Northing:** 4973794.24 **Easting:** 484525.94 **Focus Area:** 1 **Drilled Depth (ft):** 12 **Surface Elevation (ft):** 811.71 **Descriptions By:** KH	**Well/Boring ID:** **ASB-117** **Client:** Ford Motor Company **Location:** Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SHALE		(8.0 - 12.0) Recovery (SHALE, weathered, dark greenish gray [GLEY1 4/10GY]), but unable to recover from macrocore
-9						
-10	48					
-11						
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:

ft: feet

NA: Not applicable/not available

Coordinates given in UTM Zone 15N, elevation given in NGVD 29.

Collected samples ASB-117_0-2 (20110823), ASB-117_2-4 (20110823).

Samples analyzed for DRO, PCBs, RCRA Metals, PAHs.

End of Boring – 12 ft.

Date Start/Finish: 8/23/2011 / 8/23/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973677.42
Easting: 484454.44
Focus Area: 2

Drilled Depth (ft): 13
Surface Elevation (ft): 812.59

Descriptions By: KH

Well/Boring ID: **ASB-118**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 3.2) SANDY SILT, nonplastic, no dilatancy, very fine to medium, medium stiff, black
-1		0.0				
-2	31					
-3		0.0				
				ML		(3.2 - 4.0) SILT, nonplastic, no dilatancy, little very fine to medium sand, medium stiff, moist, black
-4				ML		(4.0 - 5.3) SANDY SILT, nonplastic to low plasticity, no dilatancy, very fine to fine, round, trace medium, very soft, moist, black
-5		0.1				
				ML		(5.3 - 7.3) SANDY SILT, nonplastic, no dilatancy, very fine to medium, little coarse to granules, trace clay lenses (medium to high plasticity), slightly moist, mottled
-6	38					
-7		3.7				
				ML		(7.3 - 9.3) SILT, nonplastic, little dilatancy, little sand and organics, soft, wet, black
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-118_2-4 (20110823), ASB-118_5-7 (20110823).
Samples analyzed for DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Shale) at 13 ft.

Date Start/Finish: 8/23/2011 / 8/23/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973677.42
Easting: 484454.44
Focus Area: 2

Drilled Depth (ft): 13
Surface Elevation (ft): 812.59

Descriptions By: KH

Well/Boring ID: **ASB-118**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		11.4				
				SP		(9.3 - 10.1) POORLY GRADED SAND, medium to very coarse, mostly coarse, trace granules to medium pebbles, mica sheets, black, petrol odor
-10	48			SHALE		(10.1 - 12.0) SHALE, weathered, little silt, trace organics, low plasticity, coarse sand seam at a 45-degree angle
-11		0.1				
-12				SHALE		(12.0 - 13.0) SHALE, weathered, little silt and very fine to coarse sand, trace organics, hard to very hard, moist, mottled greenish gray (GLEY1 5/5G), olive yellow (5Y 6/6), and olive (5Y 5/4)
	9					
-13						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-118_2-4 (20110823), ASB-118_5-7 (20110823).
Samples analyzed for DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Shale) at 13 ft.

Date Start/Finish: 8/23/2011 / 8/23/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973756.61
Easting: 484550.17
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 811.25

Descriptions By: KH

Well/Boring ID: **ASB-119**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.6) POORLY GRADED SAND, fine to medium, mostly medium, little silt and coarse to granules, trace small pebbles, subangular to subround, well sorted, dry
-1		0.0				
-2	39			SP		(1.6 - 3.1) POORLY GRADED SAND, medium, trace coarse to granules, subround, well sorted, slightly moist
-3		0.0				
-4				ML		(3.1 - 4.5) SILT, some very fine to medium sand, subround to subangular, little clay, crumbly, very stiff to hard, dry
-5		0.0		CL		(4.5 - 6.4) LEAN CLAY, medium plasticity, no dilatancy, some very fine to fine sand, little silt, soft, moist, black
-6	46					
-7		0.0		CL		(6.4 - 7.5) LEAN CLAY, medium plasticity, no dilatancy, some very fine sand, little silt, moist, olive gray (5Y 5/2)
-8				CL		(7.5 - 10.4) LEAN CLAY, medium plasticity, no dilatancy, trace silt, very stiff to hard, moist, mottled

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-119_5-7 (20110823), ASB-119_8-10 (20110823).
Samples analyzed for VOCs, GRO, DRO, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/23/2011 / 8/23/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973756.61
Easting: 484550.17
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 811.25

Descriptions By: KH

Well/Boring ID: **ASB-119**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.0				
-10	43					
				SHALE		(10.4 - 11.3) SHALE, weathered, low plasticity, little silt, crumbly, dry
-11						
				SHALE		(11.3 - 12.0) SHALE, hard, dry, dark greenish gray (GLEY1 4/10GY)
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-119_5-7 (20110823), ASB-119_8-10 (20110823).
Samples analyzed for VOCs, GRO, DRO, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973746.65
Easting: 484518.85
Focus Area: 1

Drilled Depth (ft): 11.5
Surface Elevation (ft): 810.77

Descriptions By: KH

Well/Boring ID: **ASB-120**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0	11			SP		(0.0 - 2.9) POORLY GRADED SAND, medium, trace coarse to granules, subangular to subround, well sorted, loose, dry
-3				ML		(2.9 - 4.0) SILT, clayey, some fine to medium sand, medium stiff, crumbly, dry, greenish gray (GLEY1 5/5GY)
-4	42	0.3	■	ML		(4.0 - 7.0) SILT, low plasticity, little clay and very fine to fine sand, crumbly, very soft to soft, dry to slightly moist, black
-7		0.1		ML		(7.0 - 8.0) SANDY SILT, low plasticity, low dilatancy, fine, little medium to very coarse, trace granules, subangular, soft to medium stiff, moist, olive gray (5Y 4/2)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-120_4-6 (20110824), ASB-120_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, Lead.
Bedrock Refusal at 11.5 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973746.65
Easting: 484518.85
Focus Area: 1

Drilled Depth (ft): 11.5
Surface Elevation (ft): 810.77

Descriptions By: KH

Well/Boring ID: **ASB-120**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SM		(8.0 - 9.0) SILTY SAND, very fine to medium, mostly fine, little coarse, subangular to subround, loose, wet
-9	45	0.2		CL		(9.0 - 11.5) LEAN CLAY, nonplastic (weathered shale), little silt, very stiff to hard, moist to dry, mottled olive (5Y 4/4) and greenish gray (GLEY1 5/10GY)
-10		0.0				
-11						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-120_4-6 (20110824), ASB-120_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, Lead.
Bedrock Refusal at 11.5 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973703.97
Easting: 484474.65
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 811.55

Descriptions By: KH

Well/Boring ID: **ASB-121**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CL		(0.0 - 2.6) LEAN CLAY, low plasticity, no dilatancy, silty, stiff, mottled dark greenish gray (GLEY1 4/5G), olive (5Y 4/4) and very dark bluish gray (GLEY2 3/10B)
-1						
-2	36					
-3		794		SM		(2.6 - 5.3) SILTY SAND, fine to medium sand, little coarse to medium pebble, subround to subangular, soft to medium dense, moist to dry
-4						
-5		775.6				
-6	34			ML		(5.3 - 7.5) SANDY SILT, very fine to medium sand, trace coarse to small pebbles and organics, subround to round, moist, black, strong petrol odor
-7		657.2				
-8				ML		(7.5 - 8.0) SANDY SILT, nonplastic to low plasticity, very fine to medium, subangular, little clay, stiff to very stiff, slightly moist, mottled

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-121_5-7 (20110824), ASB-121_8-10 (20110824).
Samples analyzed for VOCs, GRO, DRO, PAHs, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973703.97
Easting: 484474.65
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 811.55

Descriptions By: KH

Well/Boring ID: **ASB-121**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				ML		(8.0 - 9.2) SANDY SILT, low to medium plasticity, dilatant, very fine to very coarse, subangular to subround, little clay, soft, moist, petrol odor; medium to coarse sand seam, wet, black, very strong petrol odor
-9		515.6				
				ML		(9.2 - 10.2) SILT, trace organics and clay, soft, moist, black
-10	45					
				ML		(10.2 - 11.6) SANDY SILT, nonplastic, very fine to fine, trace clay, organics, very soft, wet, greenish gray (GLEY1 5/5GY), petrol odor
-11		400.9				
				ML		(11.6 - 12.0) SANDY SILT, medium, subround, trace organics, soft to medium dense, wet, mottled greenish gray (GLEY1 6/5GY), petrol odor
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-121_5-7 (20110824), ASB-121_8-10 (20110824).
Samples analyzed for VOCs, GRO, DRO, PAHs, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973695.97
Easting: 484420.03
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 811.51

Descriptions By: KH

Well/Boring ID: **ASB-122**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				BLANK		(0.0 - 2.8) No Recovery
-1		0.0				
-2	24					
-3		133.7		ML		(2.8 - 4.7) SILT, nonplastic, no dilatancy, very stiff, mottled, black organic seams
-4						
-5		149.7		CL		(4.7 - 6.1) LEAN CLAY, low plasticity, no dilatancy, medium stiff, mottled, silt seam with some very fine to medium sand, trace coarse sand, soft, slightly moist
-6	43			ML		(6.1 - 7.1) SILT, some very fine to fine sand, trace medium sand and clay, very soft, moist, black, strong petrol odor
-7		494.6		SP		(7.1 - 8.0) POORLY GRADED SAND, fine to coarse, mostly medium, little silt, trace very coarse to small pebbles, subangular to subround, wet, strong petrol odor
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-122_2-4 (20110824, ASB-122_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, PAHs, Lead.
Refusal at 12 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973695.97
Easting: 484420.03
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 811.51

Descriptions By: KH

Well/Boring ID: **ASB-122**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SP		(8.0 - 12.0) POORLY GRADED SAND, fine to medium, mostly medium, round to subround, well sorted, medium dense, wet
-9		454.1				
-10	48					
-11		271.8				
-12						

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-122_2-4 (20110824, ASB-122_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, PAHs, Lead.
Refusal at 12 ft.

ARCADIS
Infrastructure · Water · Environment · Buildings

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973735.56
Easting: 484422.60
Focus Area: 1

Drilled Depth (ft): 10.5
Surface Elevation (ft): 809.99

Descriptions By: KH

Well/Boring ID: **ASB-123**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 1.4) FILL
-1		180.3				
				CL		(1.4 - 2.5) LEAN CLAY, low plasticity, no dilatancy, trace organics and fine to medium sand, very stiff, slightly moist
-2	32					
				ML		(2.5 - 3.1) SILT, trace clay and sand, organics, medium stiff, dry to slightly moist, black
-3		153.2				
				CL		(3.1 - 4.0) LEAN CLAY, low plasticity, no dilatancy, trace silt to fine sand, slightly moist, mottled
-4						
				CL		(4.0 - 8.0) LEAN CLAY, medium plasticity, no dilatancy, trace silt, very soft to stiff, moist to dry, mottled, slight petrol odor
-5		142				
-6	46					
-7		600.3				
-8				ML		(8.0 - 8.1) SILT, trace clay and very fine to fine sand, organics, very soft, wet, dark gray (5Y 4/1), very slight odor

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-123_2-4 (20110824), ASB-123_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Limestone) at 10.5 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973735.56
Easting: 484422.60
Focus Area: 1

Drilled Depth (ft): 10.5
Surface Elevation (ft): 809.99

Descriptions By: KH

Well/Boring ID: **ASB-123**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8	22	627.3		ML		(8.1 - 9.4) SILT, little very fine to fine sand, trace clay, organics, dry to slightly moist, crumbly, black to dark gray (2.5Y 3/1), slight petrol odor
-9		676.3		SM		(9.4 - 10.2) SILTY SAND, very fine to very coarse, mostly medium, subangular to subround, poorly sorted, wet, black, strong petrol odor
-10				ML		(10.2 - 10.5) SANDY SILT, nonplastic, no dilatancy, crumbly, dry

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-123_2-4 (20110824), ASB-123_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, PCBs, RCRA Metals, PAHs.
Bedrock Refusal (Limestone) at 10.5 ft.

Date Start/Finish: 8/24/2011 / 8/24/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973798.50
Easting: 484653.77
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 823.92

Descriptions By: KH

Well/Boring ID: **ASB-124**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 0.8) Fill
-1		0.4		ML		(0.8 - 2.6) SILT, nonplastic, no dilatancy, little very fine to medium sand and clay, subround, medium dense, slightly moist, black
-2	37					
-3		0.0		SW		(2.6 - 4.0) WELL GRADED SAND WITH GRAVEL, fine to granules, little silt and small to medium pebbles, subangular to subround, poorly sorted, slightly moist
-4				SM		(4.0 - 4.3) SILTY SAND, medium to very coarse, trace small to medium pebbles, subangular to subround, poorly sorted, dry
				SP		(4.3 - 5.8) POORLY GRADED SAND, coarse, little very coarse, subround, well sorted, loose, moist
-5		0.0				
-6	46			SHALE		(5.8 - 8.0) SHALE, weathered, nonplastic and no dilatancy, very stiff to hard, slightly moist to dry, mottled greenish gray (GLEY1 5/5G; GLEY1 5/5GY) and light olive brown (2.5Y 5/6)
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-124_2-4 (20110824), ASB-124_6-8 (20110824).
Samples analyzed for VOCs, GRO, DRO, PCBs (6-8 only), RCRA Metals, PAHs.
End of Boring – 8 ft.

Date Start/Finish: 8/25/2011 / 8/25/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973797.42
Easting: 484599.36
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 817.24

Descriptions By: KH

Well/Boring ID: **ASB-125**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.2) POORLY GRADED SAND, very fine to medium, little silt, trace coarse sand to medium pebbles, well sorted, loose to medium dense, dry
-1		0.0				
				SP		(1.2 - 2.3) POORLY GRADED SAND, medium to very coarse, mostly coarse, trace granules, subangular to subround, well sorted, loose, dry, silty sand seam
-2	33					
				CL		(2.3 - 5.0) LEAN CLAY, nonplastic, no dilatancy, trace silt to fine sand, very stiff to hard, dry
-3		0.0				
-4						
-5		0.0		CL		(5.0 - 5.4) LEAN CLAY, medium plasticity, little silt to coarse sand, subangular to subround, very soft, wet (possibly from hydrovac)
				CL		(5.4 - 7.3) LEAN CLAY, nonplastic to low plasticity, no dilatancy, trace silt to fine sand, crumbly, medium stiff to very stiff, dry
-6	36					
-7		0.0				
				SHALE		(7.3 - 8.0) SHALE, hard, dry, dark greenish gray (GLEY1 4/5G)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-125_3-5 (20110825), ASB-125_6-8 (20110825).
Samples analyzed for VOCs, GRO, DRO, RCRA Metals, PAHs.
Bedrock Refusal (Shale) at 8 ft.

Date Start/Finish: 8/25/2011 / 8/25/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973800.52
Easting: 484790.07
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 840.54

Descriptions By: KH

Well/Boring ID: **ASB-126**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 0.9) Fill (Very fine sand to large pebbles, angular)
-1		0.0		ML		(0.9 - 2.0) SILT, nonplastic, no dilatancy, little clay and very fine to fine sand, trace medium to granule, round, medium stiff, crumbly, slightly moist, black
-2	39			CL		(2.0 - 4.0) LEAN CLAY, nonplastic to low plasticity, no dilatancy, trace silt to medium sand, subangular, medium stiff, slightly moist, mottled
-3		0.0				
-4				CL		(4.0 - 8.0) LEAN CLAY, nonplastic to low plasticity, no dilatancy, little to trace small to large pebbles, angular, medium stiff to hard, slightly moist to dry, mottled
-5		0.0				
-6	46					
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-126_2-4 (20110825), ASB-126_6-8 (20110825).
Samples analyzed for VOCs, GRO, DRO, RCRA Metals, PAHs.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/25/2011 / 8/25/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973755.94
Easting: 484782.81
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 834.07

Descriptions By: KH

Well/Boring ID: **ASB-127**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.3) POORLY GRADED SAND, very fine to medium, mostly medium, little coarse and silt, trace granules, subangular to subround, well sorted, loose, slightly moist
				ML		(0.3 - 2.7) SILT, low plasticity, no dilatancy, little clay, trace organics, medium dense, slightly moist, black
-1		5.0				
-2	38					
		1.2		CL		(2.7 - 3.4) LEAN CLAY, low plasticity, no dilatancy, little silt to medium sand, trace organics, slightly moist, mottled
-3				ML		(3.4 - 4.0) SANDY SILT, medium grained, medium dense, slightly moist
-4				CL		(4.0 - 8.0) LEAN CLAY, nonplastic, no dilatancy, little silt, trace very fine to medium sand, soft to hard, slightly moist to dry, mottled, coarse sand seams throughout
-5		0.3				
-6	34					
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-127_0-2 (20110825).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
End of Boring – 12 ft.

Date Start/Finish: 8/25/2011 / 8/25/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973755.94
Easting: 484782.81
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 834.07

Descriptions By: KH

Well/Boring ID: **ASB-127**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				ML		(8.0 - 8.7) SANDY SILT, nonplastic, very fine to coarse sand, subangular, very soft, wet
-9		0.0		SW		(8.7 - 12.0) WELL GRADED SAND, very fine to granules, little small pebbles, trace medium to large pebbles, subangular to subround, poorly sorted, dense, wet; SILTY CLAY, nonplastic, no dilatancy, stiff to very stiff, dry, mottled seam at 9.6 ft bgs
-10	37					
-11		0.0				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-127_0-2 (20110825).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
End of Boring – 12 ft.

Date Start/Finish: 8/25/2011 / 8/25/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973749.93
Easting: 484731.31
Focus Area: 1

Drilled Depth (ft): 10.5
Surface Elevation (ft): 828.69

Descriptions By: KH

Well/Boring ID: **ASB-128**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				BLANK		(0.0 - 2.0) No Recovery
-1						
-2	25			SM		(2.0 - 2.6) SILTY SAND, very fine to coarse, mostly fine, little granules to small pebbles, trace medium to large pebbles, wet
				CL		(2.6 - 3.6) LEAN CLAY, nonplastic to low plasticity, no dilatancy, little silt to medium sand, stiff to very stiff, mottled; silt seam, some very fine to fine sand, slightly moist to dry, dense
-3		0.0				
				ML		(3.6 - 4.0) SILT, some very fine to fine sand, round to subround, trace small to large pebbles, subangular, loose to medium stiff, slightly moist to dry
-4				ML		(4.0 - 4.9) SANDY SILT, very fine to fine, little medium sand to granules, trace small to medium pebbles, very soft, wet
-5		8.2/0.4		ML		(4.9 - 6.3) SANDY SILT, very fine to medium, subround to round, trace clay, medium stiff, slightly moist, black
-6	37.5					
				CL		(6.3 - 7.6) LEAN CLAY, low to medium plasticity, no dilatancy, little silt, trace fine to medium sand and small to large pebbles, medium stiff
-7		0.0				
				SP		(7.6 - 8.8) POORLY GRADED SAND, very fine to medium, little silt, well sorted, medium dense, wet
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-128_0-2 (20110825), ASB-128_6-8 (20110825).
Samples analyzed for DRO, RCRA Metals, PAHs.
End of Boring – 10.5 ft.

Date Start/Finish: 8/25/2011 / 8/25/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973749.93
Easting: 484731.31
Focus Area: 1

Drilled Depth (ft): 10.5
Surface Elevation (ft): 828.69

Descriptions By: KH

Well/Boring ID: **ASB-128**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8		0.0				
-9	36			ML		(8.8 - 10.5) SILT, little clay and very fine to medium sand, round, medium stiff to hard, slightly moist, greenish gray (GLEY1 5/5GY) with rust-colored seams
		0.0				
-10						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-128_0-2 (20110825), ASB-128_6-8 (20110825).
Samples analyzed for DRO, RCRA Metals, PAHs.
End of Boring – 10.5 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973729.73
Easting: 484667.39
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 822.77

Descriptions By: KH

Well/Boring ID: **ASB-129**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 0.5) FILL, silty sand, little granules to medium pebbles
				ML		(0.5 - 3.4) SILT, nonplastic, no dilatancy, little clay and very fine to medium sand, round to subround, medium stiff to soft, slightly moist, black
-1		0.1				
-2	31					
-3		0.1				
				ML		(3.4 - 4.4) SANDY SILT, very fine to medium sand, trace coarse to small pebbles and organics, subround to round, moist, black, strong petrol odor
-4						
				SM		(4.4 - 6.5) SILTY SAND, fine to very coarse, mostly medium to coarse, subround to subangular, little granule to small pebbles, trace medium pebbles, poorly sorted, wet, olive brown (2.5Y 4/3); sandy silt seam, very fine to coarse, subangular to subround, loose, moist
-5		0.0				
-6	40					
				CL		(6.5 - 8.0) SANDY LEAN CLAY, nonplastic to low plasticity, no dilatancy, very fine to coarse, little silt and very coarse to small pebbles, trace medium pebbles, medium stiff, slightly moist, mottled olive brown (2.5Y 4/3) and greenish gray (GLEY1 6/5G)
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-129_2-4 (20110826).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 12 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973729.73
Easting: 484667.39
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 822.77

Descriptions By: KH

Well/Boring ID: **ASB-129**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SP		(8.0 - 10.0) POORLY GRADED SAND, fine to very coarse, mostly medium, trace granules to small pebbles, subround to subangular, well sorted, wet
-9		0.0				
-10	12			ML		(10.0 - 11.0) SILT WITH SAND, little clay, very fine to very coarse sand, trace granules to medium pebbles, subround to subangular, medium dense, moist
-11		0.0		SHALE		(11.0 - 12.0) SHALE, weathered, rust colors evident, hard, dry, greenish gray (GLEY1 4/5G)
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-129_2-4 (20110826).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 12 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973693.23
Easting: 484604.59
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 810.48

Descriptions By: KH

Well/Boring ID: **ASB-130**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 0.4) Fill
				SM		(0.4 - 1.1) SILTY SAND, very fine to coarse sand, mostly fine, little granules to small pebbles, trace medium pebbles, wet
-1		0.0				
				ML		(1.1 - 4.3) SILT, nonplastic to low plasticity, no dilatancy, little clay and very fine to fine sand, trace organics, moist to wet at 4 ft, black
-2	28					
		0.0				
-3						
-4						
				SP		(4.3 - 5.5) POORLY GRADED SAND, very fine to very coarse, mostly medium, little granules, trace small to medium pebbles and silt, well sorted, dense, wet
-5		0.2				
				ML		(5.5 - 8.0) SILT, nonplastic to low plasticity, little clay and very fine sand, medium stiff to hard, moist to very dry, mottled greenish gray (GLEY1 5/10GY), olive (5Y 5/4), and brownish yellow (10YR 6/8)
-6	48					
		0.0				
-7						
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
No analytical samples collected.

Bedrock Refusal at 8 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973673.53
Easting: 484716.44
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 824.59

Descriptions By: KH

Well/Boring ID: **ASB-131**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 1.0) SANDY SILT, nonplastic, no dilatancy, very fine to medium, subround, soft to medium stiff
-1		0.0		ML		(1.0 - 1.8) SILT, nonplastic, no dilatancy, little clay and very fine to fine sand, trace medium sand, medium stiff to stiff, dry, black
-2	40			CL		(1.8 - 2.7) LEAN CLAY, low plasticity, no dilatancy, little very fine to fine sand, trace silt, medium stiff, slightly moist, mottled dark brown (10YR 3/3)
-3		0.0		SM		(2.7 - 3.4) SILTY SAND, very fine to medium, mostly medium, trace very coarse sand to small pebbles, slightly moist
				SP		(3.4 - 4.0) POORLY GRADED SAND, very fine to medium, little granules to small pebbles, trace clay, subangular to subround, dry, reddish yellow (7/5YR 7/6)
-4				SP		(4.0 - 4.4) POORLY GRADED SAND, coarse, trace very coarse to granules, subround to round, well sorted, loose, wet
				SP		(4.4 - 5.2) POORLY GRADED SAND, fine to medium, mostly medium, little coarse, trace very coarse to small pebbles, subangular to subround, well sorted, dry
-5		0.0				
				SP		(5.2 - 6.3) POORLY GRADED SAND, fine to medium, mostly medium, trace coarse to small pebbles, subround to round, well sorted, medium dense, wet
-6	40					
				CL		(6.3 - 8.0) LEAN CLAY, little silt, weathered, very stiff to hard, dry, mottled
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-131_2-4 (20110826).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973611.31
Easting: 484713.91
Focus Area: 1

Drilled Depth (ft): 4
Surface Elevation (ft): 816.62

Descriptions By: KH

Well/Boring ID: **ASB-132**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.2) POORLY GRADED SAND, very fine to medium, mostly fine, trace silt and coarse sand to small pebbles, subround to subangular, well sorted, dry, black
				SM		(0.2 - 0.7) SILTY SAND, very fine sand, round, trace very coarse to small pebbles, subangular, well sorted, loose to medium dense, dry, brownish yellow (10YR 6/6) and olive (5Y 5/3)
-1		0.0		ML		(0.7 - 2.3) SANDY SILT, nonplastic, no dilatancy, very fine to fine sand, round, trace clay and coarse sand to large pebbles, angular to subangular, medium dense, slightly moist, black
-2	39					
				CL		(2.3 - 4.0) LEAN CLAY, nonplastic to low plasticity, no dilatancy, very fine to medium sand, round, trace silt, slightly moist to dry, mottled with rust color seams
-3		0.0				
-4						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-132_2-4 (20110826).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 4 ft.

Date Start/Finish: 9/1/2011 / 9/1/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973600.02
Easting: 484763.73
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 824.06

Descriptions By: KH

Well/Boring ID: **ASB-133**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 4.0) POORLY GRADED SAND, very fine, little medium to coarse, trace very coarse to granules, round to subround, well sorted, loose to medium dense, slightly moist to moist, dark yellowish brown (10YR 4/4) to black at 3.8 ft bgs
-1		0.0				
-2	29					
-3		0.0				
-4				CL		(4.0 - 4.9) SANDY LEAN CLAY, silt, broken up clasts ranging from granule to large pebbles
-5		0.0		CL		(4.9 - 7.5) LEAN CLAY, nonplastic, no dilatancy, hard, slightly moist to dry, mottled greenish gray (GLEY1 5/5G)
-6	46					
-7		0.0				
-8				SHALE		(7.5 - 8.0) SHALE, greenish gray (GLEY1 5/5G)

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-133_2-4 (20110901).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
End of Boring – 8 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973671.12
Easting: 484643.74
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 814.29

Descriptions By: KH

Well/Boring ID: **ASB-134**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.4) POORLY GRADED SAND, fine to medium, little coarse to very coarse, trace granules, round to subround, well sorted, loose, slightly moist
-1		0.5				
				SM		(1.4 - 2.8) SILTY SAND, very fine to fine, little medium, trace very coarse sand to medium pebbles, subround to subangular, well sorted, medium dense, dry, black at 2 ft
-2	40					
		0.0		ML		(2.8 - 4.3) SILT, nonplastic, no dilatancy, some very fine to fine sand, trace clay, medium stiff, slightly moist to wet at 4 ft, black
-3						
-4				SW		(4.3 - 4.8) WELL GRADED SAND WITH GRAVEL, very fine to very coarse sand, granules to medium pebbles, subround, poorly sorted, dense, wet
				CL		(4.8 - 8.0) LEAN CLAY, medium to nonplastic, no dilatancy, trace very fine to medium sand, round to subround, medium stiff, moist to dry at 6 ft
-5		0.0				
-6	44					
		0.0				
-7						
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-134_2-4 (20110826).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/26/2011 / 8/26/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973494.63
Easting: 484665.99
Focus Area: 4

Drilled Depth (ft): 9
Surface Elevation (ft): 808.87

Descriptions By: KH

Well/Boring ID: **ASB-135**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ASPHALT		(0.0 - 0.5) ASPHALT
				SP		(0.5 - 1.3) POORLY GRADED SAND, very fine to medium, mostly medium, trace silt and very coarse sand to small pebbles, well sorted, dry, black
-1		7.0				
				SM		(1.3 - 7.1) SILTY SAND, very fine to medium, little coarse to small pebble, trace medium pebbles, subround, medium dense, dry to wet at 6 ft, black to brownish yellow, petrol odor
-2	31.5					
-3		329.3				
-4						
-5		14.0				
-6	22					
-7		694.4				
				ML		(7.1 - 8.3) SANDY LEAN CLAY, low to medium plasticity, no dilatancy, little silt, very fine to fine sand, round, moist, black to dark greenish gray (GLEY1 4/10GY) at 6 ft, petrol odor
-8						
	12	393.2		ML		(8.3 - 9.0) SANDY LEAN CLAY, low to medium plasticity, no dilatancy, little silt, very fine to fine sand, round, moist, dark greenish gray (GLEY1 4/10GY) to light greenish gray (GLEY1 7/5G), strong petrol odor
-9						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-135_2-4 (20110826), ASB-135_6-8 (20110826), ASB-135_8-9 (20110826).
Samples analyzed for VOCs, GRO, DRO, PAHs.
Bedrock Refusal at 9 ft.

Date Start/Finish: 8/29/2011 / 8/29/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973623.76
Easting: 484591.81
Focus Area: 2

Drilled Depth (ft): 11
Surface Elevation (ft): 808.80

Descriptions By: KH

Well/Boring ID: **ASB-136**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 0.6) SANDY SILT, nonplastic, no dilatancy, very fine to medium sand, little very coarse sand to granules, trace small to medium pebbles, subround to subangular, slightly moist, crumbly, black, slight odor
				SM		(0.6 - 1.2) SILTY SAND, very fine to medium, mostly medium, little very coarse to medium pebbles, poorly sorted, medium dense, slightly moist
-1		2.0				
				CL		(1.2 - 2.8) LEAN CLAY, nonplastic, no dilatancy, little silt to medium sand, trace coarse sand to medium pebble, medium stiff, dry
-2	44					
		0.4		SM		(2.8 - 4.0) SILTY SAND, very fine to medium, mostly fine, little coarse sand to granules, subangular to subround, poorly sorted, wet, petrol odor
-3						
-4				SP		(4.0 - 4.3) POORLY GRADED SAND, coarse to very coarse, mostly coarse, subround, well sorted, loose, moist
				ML		(4.3 - 5.7) SANDY SILT, nonplastic, no dilatancy, very fine to very coarse sand, subround to subangular, soft to medium stiff, dry, mottled, petrol odor
-5		8.2				
				ML		(5.7 - 7.2) SANDY SILT, nonplastic, no dilatancy, very fine to medium sand, mostly fine, soft, wet, black, strong petrol odor
-6	24					
-7		14.5				
				CL		(7.2 - 8.0) LEAN CLAY, nonplastic, no dilatancy, soft to medium stiff, dry to slightly moist, mottled, slight petrol odor
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-136_1-3 (20110829).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 11 ft.

Date Start/Finish: 8/29/2011 / 8/29/2011 **Drilling Company:** Stevens Drilling & Environmental **Driller's Name:** Dan Hunter **Drilling Method:** Geoprobe **Sampling Method:** Macrocore	**Northing:** 4973623.76 **Easting:** 484591.81 **Focus Area:** 2 **Drilled Depth (ft):** 11 **Surface Elevation (ft):** 808.80 **Descriptions By:** KH	**Well/Boring ID:** **ASB-136** **Client:** Ford Motor Company **Location:** Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8	42	1.7		SM		(8.0 - 9.3) SILTY SAND, very fine to fine, trace medium sand to small pebbles, subround to subangular, poorly sorted, wet
-9				CL		(9.3 - 10.1) LEAN CLAY, low to medium plasticity, little silt to fine sand, moist, color change at 9.5 ft from black to light greenish gray (GLEY1 7/10Y)
-10		0.7		ML		(10.1 - 10.4) SANDY SILT, very fine to medium sand, trace coarse to medium pebble, subround to subangular, slightly moist
				CL		(10.4 - 11.0) LEAN CLAY, low plasticity, very stiff to hard, slightly moist, slightly mottled between light greenish gray (GLEY1 7/10Y) to olive (5Y 5/3)
-11						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:

ft: feet

NA: Not applicable/not available

Coordinates given in UTM Zone 15N, elevation given in NGVD 29.

Collected sample ASB-136_1-3 (20110829).

Sample analyzed for DRO, RCRA Metals, PAHs.

Bedrock Refusal at 11 ft.

Date Start/Finish: 8/29/2011 / 8/29/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973607.65
Easting: 484664.08
Focus Area: 1

Drilled Depth (ft): 11
Surface Elevation (ft): 811.30

Descriptions By: KH

Well/Boring ID: **ASB-137**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 0.6) SANDY SILT, nonplastic, no dilatancy, very fine to very coarse sand, little granules to small pebbles, subangular to angular, loose, dry
-1		0.2		CL		(0.6 - 3.0) LEAN CLAY, low plasticity, no dilatancy, some very fine to fine sand, subround, trace very coarse sand to medium pebbles, subround to subangular, medium stiff, dry to slightly moist, slightly mottled
-2	30.5					
-3		0.3		CL		(3.0 - 5.9) LEAN CLAY, medium plasticity, some very fine to fine sand, mostly very fine, little coarse sand to small pebbles, trace silt, medium stiff, moist, black
-4						
-5		0.0				
-6	40.5			SP		(5.9 - 7.4) POORLY GRADED SAND, very fine to fine, round, trace silt, well sorted, dense, wet
-7		0.0				
-8				SP		(7.4 - 8.0) POORLY GRADED SAND WITH SILT, very fine to fine, round, well sorted, loose, wet

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-137_2-4 (20110829).
Sample analyzed for DRO, RCRA Metals, PAHs.
End of Boring – 11 ft.

Date Start/Finish: 8/29/2011 / 8/29/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973607.65
Easting: 484664.08
Focus Area: 1

Drilled Depth (ft): 11
Surface Elevation (ft): 811.30

Descriptions By: KH

Well/Boring ID: **ASB-137**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8	46	0.3		ML		(8.0 - 8.5) SILT, nonplastic, high dilatancy, very fine sand, very soft, wet
				CH		(8.5 - 8.7) FAT CLAY, high plasticity, dilatant, soft, wet, slightly mottled
-9				CL		(8.7 - 11.0) LEAN CLAY, nonplastic, no dilatancy, very stiff to hard, slightly moist to dry, mottled dark greenish gray (GLEY1 4/10GY)
		0.4				
-10						
-11						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-137_2-4 (20110829).
Sample analyzed for DRO, RCRA Metals, PAHs.
End of Boring – 11 ft.

Date Start/Finish: 8/29/2011 / 8/29/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973650.09
Easting: 484752.47
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 823.67

Descriptions By: KH

Well/Boring ID: **ASB-138**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.4) CONCRETE
				SP		(0.4 - 0.8) POORLY GRADED SAND, medium to coarse, mostly medium, trace very coarse sand to small pebbles, round to subround, well sorted, loose, dry to slightly moist
-1		0.0		ML		(0.8 - 2.3) SANDY SILT, nonplastic, no dilatancy, fine to medium sand, little coarse, trace very coarse sand to large pebbles, soft, slightly moist
-2	30					
				SW		(2.3 - 2.9) WELL GRADED SAND, fine to very coarse, mostly fine to medium, little granules to medium pebbles, trace silt, poorly sorted, loose, slightly moist to moist
-3		0.0		CL		(2.9 - 7.1) LEAN CLAY, nonplastic, no dilatancy, trace silt to fine sand, hard, slightly moist to dry at 4 ft, mottled greenish gray (GLEY1 5/5GY) with rust color laminations up to 4 ft bgs
-4						
-5						
-6	40					
-7						
				SHALE		(7.1 - 8.0) SHALE, dark greenish gray (GLEY1 4/10GY)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-138_2-4 (20110829).
Sample analyzed for VOCs, GRO, DRO, Lead.
End of Boring – 8 ft.

Date Start/Finish: 8/29/2011 / 8/29/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973652.86
Easting: 484783.16
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 826.54

Descriptions By: KH

Well/Boring ID: **ASB-139**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.4) POORLY GRADED SAND, very fine to medium, little silt and coarse sand to granules, trace small pebbles, dry to slightly moist, black to brown
-1		0.0				
				CL		(1.4 - 1.6) LEAN CLAY, nonplastic to low plasticity, no dilatancy, some very fine to fine sand, little silt, trace medium sand, medium stiff, slightly moist
				ML		(1.6 - 2.2) SANDY SILT, nonplastic, no dilatancy, very fine to fine sand, trace very coarse sand to medium pebbles, medium stiff, slightly moist
-2	42					
				CL		(2.2 - 4.3) LEAN CLAY, nonplastic, no dilatancy, trace silt, soft to very stiff, slightly moist, rock flour seams
-3		2.1				
-4						
				CL		(4.3 - 8.0) LEAN CLAY, nonplastic, no dilatancy, stiff to hard, slightly moist to dry, greenish gray (GLEY1 5/5G), sand seams throughout, slight petrol odor
-5		3.1				
-6	48.5					
-7		11.3				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-139_6-8 (20110829).
Sample analyzed for VOCs, GRO, DRO, Lead.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973675.47
Easting: 484771.83
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 826.76

Descriptions By: KH

Well/Boring ID: **ASB-140**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.3) CONCRETE
				SM		(0.3 - 1.4) SILTY SAND, very fine to medium sand, little coarse sand to medium pebbles, angular to subangular, nonplastic, no dilatancy, medium dense, black
-1		2.8				
				SP		(1.4 - 1.7) POORLY GRADED SAND, very fine to medium, little coarse, subround to round, well sorted, medium dense to dense, slightly moist
				SW		(1.7 - 2.2) WELL GRADED SAND WITH SILT AND GRAVEL, very fine sand to very large pebbles, subangular to angular, poorly sorted, slightly moist
-2	36					
				CL		(2.2 - 7.6) LEAN CLAY, low plasticity, no dilatancy, trace coarse sand and medium to large pebbles at 4 ft, subangular to angular, medium stiff to stiff, slightly moist to dry at 4 ft, mottled
-3		1.6				
-4						
-5		2.0				
-6	45					
-7		2.2				
				SHALE		(7.6 - 8.0) SHALE, dark greenish gray (GLEY1 4/5G)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-140_6-8 (20110830).
Sample analyzed for VOCs, GRO, DRO, Lead.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973665.64
Easting: 484840.98
Focus Area: 1

Drilled Depth (ft): 8
Surface Elevation (ft): 837.40

Descriptions By: KH

Well/Boring ID: **ASB-141**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.4) POORLY GRADED SAND, very fine to coarse, mostly medium, little silt, trace granules to medium pebbles, subangular to subround, well sorted, loose to medium dense, slightly moist
-1		1.0				
				CL		(1.4 - 4.3) LEAN CLAY, medium plasticity, no dilatancy, trace angular to subangular gravel, medium stiff to stiff, moist to dry
-2	40					
		1.8				
-3						
-4						
				CL		(4.3 - 8.0) LEAN CLAY, low plasticity to nonplastic, no dilatancy, medium stiff to very stiff, dry, slightly mottled with rust coloration seams
-5		2.8				
-6	46					
		5.9				
-7						
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-141_2-4 (20110830), ASB-141_6-8 (20110830).
Samples analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973734.23
Easting: 484828.51
Focus Area: 1

Drilled Depth (ft): 4
Surface Elevation (ft): 844.08

Descriptions By: KH

Well/Boring ID: **ASB-142**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 0.3) SANDY SILT, nonplastic, no dilatancy, very fine to fine, little coarse sand to medium pebbles, loose, dry, black
				SW		(0.3 - 1.2) WELL GRADED SAND, very fine to medium, mostly fine to medium, little coarse sand to medium pebbles, trace silt, subangular to subround, poorly sorted, medium dense, slightly moist
-1		2.2				
				SP		(1.2 - 1.9) POORLY GRADED SAND, very fine to medium, mostly medium, trace coarse sand to granules, subround to round, well sorted, medium dense, slightly moist
-2	36			CL		(1.9 - 4.0) LEAN CLAY, low to medium plasticity, stiff, moist, mottled light greenish gray (GLEY1 8/5GY), silt seams
		3.2				
-3						
-4						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-142_2-4 (20110830).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal (Limestone) at 4 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973730.36
Easting: 484896.03
Focus Area: 1

Drilled Depth (ft): 3
Surface Elevation (ft): 851.61

Descriptions By: KH

Well/Boring ID: **ASB-143**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0		4.0		SM		(0.0 - 1.0) SILTY SAND, very fine to coarse, mostly medium, little very coarse sand to small pebbles, trace medium pebbles, subangular to subround, poorly sorted, medium dense, slightly moist
-1				SP		(1.0 - 1.2) POORLY GRADED SAND, fine to coarse, mostly medium, subround, well sorted, medium dense, slightly moist
	30	4.8		CL		(1.2 - 1.8) LEAN CLAY, low to medium plasticity, no dilatancy, trace fine to medium sand, subround to round, medium stiff to stiff, slightly moist, mottled dark greenish gray (GLEY1 4/5G)
-2				SHALE		(1.8 - 3.0) SHALE, dry, dark greenish gray (GLEY1 4/5G)
-3						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-143_1-3 (20110830).
Sample analyzed for DRO, RCRA Metals, PAHs.
Bedrock Refusal at 3 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973596.21
Easting: 484988.97
Focus Area: 5

Drilled Depth (ft): 8
Surface Elevation (ft): 857.36

Descriptions By: KH

Well/Boring ID: **ASB-144**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.5) CONCRETE
				SP		(0.5 - 1.1) POORLY GRADED SAND, fine to medium, mostly medium, little coarse to very coarse, trace granules to small pebbles, round to subround, well sorted, medium dense, slightly moist
-1		3.7				
				ML		(1.1 - 2.7) SILT, nonplastic, no dilatancy, little very fine to medium sand and clay, trace coarse sand to small pebbles, stiff, moist, very dark brown (10YR 2/2), sandy silt seams
-2	37					
				SP		(2.7 - 4.5) POORLY GRADED SAND, very fine to medium, mostly medium, trace silt and coarse sand to medium pebbles, well sorted, medium dense, slightly moist, rust color laminations
-3		4.1				
-4						
				SP		(4.5 - 5.3) POORLY GRADED SAND, very fine to medium, little coarse, trace very coarse sand to granules, subround to round, well sorted, medium dense, rust colored seam at 5.3 ft
-5		3.6				
				CL		(5.3 - 7.1) LEAN CLAY, nonplastic, no dilatancy, hard, slightly moist to dry, mottled dark greenish gray (GLEY1 4/5G)
-6	46					
-7		1.6				
				SHALE		(7.1 - 8.0) SHALE, dark greenish gray (GLEY1 4/5G)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-144_2-4 (20110830).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
Bedrock Refusal at 8 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973499.46
Easting: 484635.17
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 811.07

Descriptions By: KH

Well/Boring ID: **ASB-145**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SM		(0.0 - 1.3) SILTY SAND, fine to coarse, mostly fine to medium, little very coarse sand to small pebbles, trace medium pebbles, subangular to subround, well sorted, loose to medium dense, dry to slightly moist
-1		2.1				
				ML		(1.3 - 5.5) SANDY SILT, low plasticity, no dilatancy, little clay, very fine to medium sand, little coarse sand to small pebbles, trace medium pebbles, subround to round, moist to wet at 4.5 ft
-2	30					
		2.8				
-3						
-4						
-5	19	2.9/4.8				
				SP		(5.5 - 6.6) POORLY GRADED SAND, fine to medium, mostly medium, trace coarse to very coarse, subround to round, well sorted, loose, wet
-6						
				SP		(6.6 - 7.7) POORLY GRADED SAND, fine to medium, trace coarse, well sorted, medium dense to loose, wet, color changes from very dark gray (5Y 3/1) to dark olive brown (2.5Y 3/3)
-7	28	4.1				
				CL		(7.7 - 10.3) LEAN CLAY, medium plasticity, no dilatancy, trace medium pebbles,
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-145_0-2 (20110830), ASB-145_6-8 (20110830).
Samples analyzed for VOCs, GRO, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/30/2011 / 8/30/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973499.46
Easting: 484635.17
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 811.07

Descriptions By: KH

Well/Boring ID: **ASB-145**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						medium stiff to stiff, moist
-9		4.5				
-10	48					
				SP-SM		(10.3 - 12.0) Varved SANDY SILT, POORLY GRADED SAND, poor sort, wet
-11		31.1				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-145_0-2 (20110830), ASB-145_6-8 (20110830).
Samples analyzed for VOCs, GRO, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/31/2011 / 8/31/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973505.00
Easting: 484648.30
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 809.51

Descriptions By: KH

Well/Boring ID: **ASB-146**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.5) CONCRETE
				ML		(0.5 - 1.9) SILT, nonplastic, no dilatancy, little very fine sand, trace clay, medium stiff to stiff, slightly moist, black
-1		3.0				
-2	33			SW		(1.9 - 3.2) WELL GRADED SAND WITH SILT, very fine to medium, some coarse sand to granules, little small to medium pebbles, subangular to subround, poorly sorted, medium dense to dense, slightly moist
-3		4.4		SP		(3.2 - 3.7) POORLY GRADED SAND, fine to medium, mostly medium, trace coarse sand to small pebbles, round to subround, well sorted, medium dense to loose
-4				CL		(3.7 - 4.8) LEAN CLAY, nonplastic, no dilatancy, hard, slightly moist to dry, mottled
-5		3.5		SM		(4.8 - 5.4) SILTY SAND, very fine to fine, trace medium, round to subround, well sorted, medium dense, slightly moist
				SP		(5.4 - 6.1) POORLY GRADED SAND WITH SILT, very fine to medium, little very coarse sand to granules, trace small to medium pebbles, dry to wet at 6 ft
-6	34			ML		(6.1 - 6.5) SANDY SILT, nonplastic, dilatant, very fine to fine sand, very soft, wet, black
				CL		(6.5 - 6.8) LEAN CLAY, nonplastic, no dilatancy, soft, dry to moist, mottled
-7		973.1		ML		(6.8 - 8.0) SILT, nonplastic, no dilatancy, black organics, soft, slightly moist, black, petrol odor
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-146_0-2 (20110831), ASB-146_6-8 (20110831).
Samples analyzed for VOCs, GRO, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/31/2011 / 8/31/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973505.00
Easting: 484648.30
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 809.51

Descriptions By: KH

Well/Boring ID: **ASB-146**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				ML		(8.0 - 8.5) SILT, nonplastic, dilatant, some very fine to fine sand, soft, very moist, petrol odor
				SM		(8.5 - 9.4) SILTY SAND, very fine to medium sand, little coarse sand to medium pebbles, round to subangular, poorly sorted, dense, wet
-9	21	940.8				
				ML		(9.4 - 10.0) SANDY SILT, nonplastic, very fine to fine, trace medium to very coarse sand, very soft, wet
-10						
				CL		(10.0 - 12.0) LEAN CLAY, nonplastic, no dilatancy, very stiff to hard, slightly moist to dry, mottled light greenish gray (GLEY1 8/10GY)
-11	48	99.8/18.2				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-146_0-2 (20110831), ASB-146_6-8 (20110831).
Samples analyzed for VOCs, GRO, Lead.
End of Boring – 12 ft.

Date Start/Finish: 8/31/2011 / 8/31/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973508.27
Easting: 484654.85
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 809.63

Descriptions By: KH

Well/Boring ID: **ASB-147**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.6) CONCRETE
-1		13.6		SP		(0.6 - 1.4) POORLY GRADED SAND, fine to coarse, mostly medium, trace very coarse sand to small pebbles, well sorted, loose, dry
-2	28			ML		(1.4 - 2.6) SANDY SILT, nonplastic, no dilatancy, very fine to fine sand, soft, dry, crumbly, black
-3		5.3		SP		(2.6 - 5.2) POORLY GRADED SAND, very fine to medium, mostly medium, little coarse sand to granules, trace small to medium pebbles, subround to subangular, well sorted, medium dense, moist, yellowish brown (10YR 5/6) to very dark gray (10YR 3/1)
-4						
-5		14.8				
-6	30			SP		(5.2 - 6.5) POORLY GRADED SAND, fine to medium, mostly medium, little coarse, trace very coarse to medium pebbles, round to subround, well sorted, medium dense, moist
-7		427.4		SP		(6.5 - 9.2) POORLY GRADED SAND, very fine to medium, mostly fine to medium, trace coarse to small pebbles and silt, organics, well sorted, medium dense, wet, black to gray black, visible sheen at 8 ft, strong petrol odor
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-147_0-2 (20110831), ASB-147_6-8 (20110831).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 8/31/2011 / 8/31/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973508.27
Easting: 484654.85
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 809.63

Descriptions By: KH

Well/Boring ID: **ASB-147**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9				ML		(9.2 - 9.6) SILT, high plasticity, little clay, organics, soft, very moist
		421.3/849.9		SP-SC		(9.6 - 10.8) Varved POORLY GRADED SAND, very fine to coarse, little very coarse to small pebbles, trace medium pebbles, medium dense, well sorted, wet; FAT CLAY, medium to high plasticity, no dilatancy, very fine to medium sand, soft to medium stiff, moist, mottled
-10	46					
-11				CL		(10.8 - 12.0) LEAN CLAY, nonplastic to low plasticity, no dilatancy, very stiff to hard, slightly moist, mottled
		24.8				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-147_0-2 (20110831), ASB-147_6-8 (20110831).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 8/31/2011 / 8/31/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973525.14
Easting: 484656.95
Focus Area: 1

Drilled Depth (ft): 16
Surface Elevation (ft): 809.42

Descriptions By: KH

Well/Boring ID: **ASB-148**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.3) CONCRETE
				SP		(0.3 - 7.0) POORLY GRADED SAND, very fine to medium, mostly medium, little coarse to small pebbles, trace medium pebbles, subangular to subround, well sorted, medium dense to loose, dry to wet at 6.8 ft
-1		2.4				
-2	32					
-3		2.3				
-4						
-5		3.2				
-6	48					
-7		1060		SP		(7.0 - 12.0) POORLY GRADED SAND, very fine to medium, little silt, trace coarse sand to small pebbles, medium dense, wet, black, strong petrol odor
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-148_0-2 (20110831), ASB-148_4-6 (20110831).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 16 ft.

Date Start/Finish: 8/31/2011 / 8/31/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973525.14
Easting: 484656.95
Focus Area: 1

Drilled Depth (ft): 16
Surface Elevation (ft): 809.42

Descriptions By: KH

Well/Boring ID: **ASB-148**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9						
-10	23	1651				
-11						
-12				SP		(12.0 - 16.0) POORLY GRADED SAND, very fine to fine, little medium sand and silt, trace coarse sand to granules, subround to round, well sorted, visible sheen, wet, very dark grayish brown (10YR 3/2) and dark grayish brown (10YR 4/2), strong petrol odor
-13		138				
-14	48					
-15		301.9				
-16						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-148_0-2 (20110831), ASB-148_4-6 (20110831).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 16 ft.

Date Start/Finish: 9/1/2011 / 9/1/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973531.03
Easting: 484658.20
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.36

Descriptions By: KH

Well/Boring ID: **ASB-157**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.5) CONCRETE
				SP		(0.5 - 6.5) POORLY GRADED SAND, very fine to medium, little coarse to granules, trace small to medium pebbles, round to subround, well sorted, medium dense, slightly moist
-1		0.0				
-2	33					
-3		0.0				
-4						
-5		0.0				
-6	41					
				SW		(6.5 - 10.5) WELL GRADED SAND, medium to very coarse, mostly coarse to very coarse, little granules to medium pebbles, trace silt, round to subround, poorly sorted, medium dense, wet
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-157_0-2 (20110901).
Sample analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/1/2011 / 9/1/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973531.03
Easting: 484658.20
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.36

Descriptions By: KH

Well/Boring ID: **ASB-157**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		33.4				
-10	33					
				ML		(10.5 - 11.6) SANDY SILT, medium plasticity, dilatant, very fine to medium sand, little coarse sand to large pebbles, trace clay, round to subround, wet, petrol odor
-11		473.3				
				SP		(11.6 - 12.0) POORLY GRADED SAND, medium to coarse, little very coarse to granules, trace small pebbles, round to subround, well sorted, sheen, loose, wet, petrol odor
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-157_0-2 (20110901).
Sample analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/1/2011 / 9/1/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973551.04
Easting: 484651.46
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.41

Descriptions By: KH

Well/Boring ID: **ASB-158**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
-1		0.0		SM		(0.7 - 1.9) SILTY SAND, very fine to medium, little coarse to small pebble, round to subround, well sorted, medium dense, slightly moist
-2	35			ML		(1.9 - 3.0) SANDY SILT, nonplastic to low plasticity, no dilatancy, very fine to fine sand, round to subround, little clay, trace very coarse sand to medium pebbles, medium stiff, slightly moist, mottled
-3		0.0		ML		(3.0 - 4.9) SILT, medium plasticity, no dilatancy, some very fine to fine sand, little clay, round, medium dense, moist, black
-4						
-5		187.4		SP		(4.9 - 8.5) POORLY GRADED SAND, very fine to medium, little very coarse to granules, trace small to medium pebbles, round to subangular, well sorted, slightly moist to wet at 6 ft, gray (2.5Y 5/1) to dark gray (2.5Y 4/1), strong petrol odor
-6	33					
-7		490.5				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-158_0-2 (20110901), ASB-158_4-6 (20110901).
Samples analyzed for VOCs, GRO, DRO, PAHs.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/1/2011 / 9/1/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973551.04
Easting: 484651.46
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.41

Descriptions By: KH

Well/Boring ID: **ASB-158**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				CL		(8.5 - 9.8) LEAN CLAY, little silt to fine sand, broken clasts, very soft, wet, mottled, reworked, petrol odor
-9		631.5/25.8				
-10	46			CL		(9.8 - 11.4) LEAN CLAY, nonplastic, no dilatancy, very hard, moist to slightly moist, olive (5Y 5/3)
-11		10.7				
				SHALE		(11.4 - 12.0) SHALE, weathered, dark greenish gray (GLEY1 4/10GY)
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-158_0-2 (20110901), ASB-158_4-6 (20110901).
Samples analyzed for VOCs, GRO, DRO, PAHs.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/2/2011 / 9/2/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973522.80
Easting: 484642.02
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 777.00

Descriptions By: KH

Well/Boring ID: **ASB-159**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.3) CONCRETE
				SP		(0.3 - 0.9) POORLY GRADED SAND, fine to medium, little coarse to small pebbles, trace medium to large pebbles, round to subangular, well sorted, medium dense, slightly moist to moist
-1		1.2		CL		(0.9 - 1.4) SANDY LEAN CLAY, low to medium plasticity, very fine to fine sand, little silt and medium sand to granules, trace small to medium pebbles, slightly moist
				SP		(1.4 - 2.9) POORLY GRADED SAND, fine to medium, little coarse to small pebbles, trace medium to large pebbles, round to subangular, well sorted, medium dense, slightly moist to moist, color to black and strong petrol odor starting at 3.4 ft
-2	35					
-3		92.4		CH		(2.9 - 3.2) FAT CLAY, medium to high plasticity, medium stiff, moist
				ML		(3.2 - 5.0) SANDY SILT, nonplastic, no dilatancy, very fine to fine sand, little medium, trace coarse to small pebbles, medium stiff, moist to wet, black, petrol odor; SILTY SAND seams throughout, fine to medium sand, trace very coarse to small pebbles
-4						
-5		1057		ML		(5.0 - 8.4) SANDY SILT, nonplastic, no dilatancy, very fine to fine sand, little medium, trace coarse to small pebbles, medium stiff, moist to wet, black, petrol odor; SILTY SAND seams throughout, fine to medium sand, trace very coarse to small pebbles
-6	38					
-7		842.5				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-159_2-4 (20110902), ASB-159_5-7 (20110902).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/2/2011 / 9/2/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973522.80
Easting: 484642.02
Focus Area: 2

Drilled Depth (ft): 12
Surface Elevation (ft): 777.00

Descriptions By: KH

Well/Boring ID: **ASB-159**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				ML		(8.4 - 8.9) SANDY SILT, nonplastic, no dilatancy, very fine to medium, little coarse, trace very coarse to small pebbles, wet, strong petrol odor
-9		1264		SP		(8.9 - 10.1) POORLY GRADED SAND, fine to medium, little coarse to very coarse, trace silt, subround to subangular, well sorted, wet, black, sheen visible
-10	46					
				SP		(10.1 - 11.0) POORLY GRADED SAND WITH GRAVEL, very fine to very coarse, broken up cobbles, wet to slightly moist, mottled clay seam, petrol odor
-11		77.0		CL		(11.0 - 12.0) LEAN CLAY, low plasticity, no dilatancy, medium stiff to very stiff, slightly moist, mottled
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-159_2-4 (20110902), ASB-159_5-7 (20110902).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/2/2011 / 9/2/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973538.11
Easting: 484658.93
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.50

Descriptions By: KH

Well/Boring ID: **ASB-160**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SM		(0.0 - 0.8) SILTY SAND, very fine to fine, little coarse to granules, trace small to medium pebbles, loose to medium dense, dry to slightly moist, very dark brown (7.5YR 2.5/3)
-1		2.4		SM		(0.8 - 4.9) SILTY SAND, very fine to medium, little coarse, trace very coarse to medium pebble and clay, round to subangular, medium dense, slightly moist, rust colorations, black, slight petrol odor
-2	31					
-3		13.8				
-4						
-5		534.3		ML		(4.9 - 5.7) SILT, nonplastic, no dilatancy, little very fine to fine sand, moist, black, petrol odor
-6	35			SP		(5.7 - 7.7) POORLY GRADED SAND, fine to medium, little coarse to very coarse, trace granules to medium pebbles, round to subangular, moist to wet at 7 ft, black
-7		1363				
-8				ML		(7.7 - 8.0) SILT, nonplastic, no dilatancy, organics, slightly moist, black, petrol odor

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-160_2-4 (20110902), ASB-160_5-7 (20110902).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/2/2011 / 9/2/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973538.11
Easting: 484658.93
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.50

Descriptions By: KH

Well/Boring ID: **ASB-160**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				ML		(8.0 - 8.5) SILT, nonplastic, no dilatancy, trace clay and very fine sand, organics, wet, gray to black
				CL		(8.5 - 9.0) LEAN CLAY, low plasticity, no dilatancy, medium stiff to very stiff, mottled
-9		1200		SM		(9.0 - 12.0) SILTY SAND, medium to very coarse, little granules to small pebbles, trace medium pebbles, poorly sorted, moist, black, petrol odor
-10	50					
-11		51.4				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-160_2-4 (20110902), ASB-160_5-7 (20110902).
Samples analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/2/2011 / 9/2/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973554.03
Easting: 484645.64
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.24

Descriptions By: KH

Well/Boring ID: **ASB-161**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 0.8) SANDY SILT, very fine to fine, little medium to very coarse, trace granules to small pebbles, loose, dry, dark yellowish brown (10YR 3/4)
-1		1.4		SM		(0.8 - 4.8) SILTY SAND, very fine to medium, little coarse, trace very coarse to medium pebbles, round to subangular, medium dense, dry to slightly moist, very dark brown (10YR 2/2)
-2	23					
-3		0.5				
-4						
-5				SP		(4.8 - 6.6) POORLY GRADED SAND, very fine to coarse, round to subangular, well sorted, medium dense, wet, black, petrol odor
-6	17	178.4				
-7				CH		(6.6 - 8.0) FAT CLAY, medium to high plasticity, no dilatancy, little silt to very fine sand, organics, medium stiff, moist to very moist
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-161_1-3 (20110902).
Sample analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/2/2011 / 9/2/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973554.03
Easting: 484645.64
Focus Area: 1

Drilled Depth (ft): 12
Surface Elevation (ft): 809.24

Descriptions By: KH

Well/Boring ID: **ASB-161**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				BLANK		(8.0 - 12.0) No Recovery
-9						
-10	0					
-11						
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-161_1-3 (20110902).
Sample analyzed for VOCs, GRO, DRO, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973480.80
Easting: 484630.05
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 812.84

Descriptions By: KH

Well/Boring ID: **ASB-162**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
-1		6.8		CL		(0.7 - 1.1) LEAN CLAY, medium plasticity, little very fine to fine sand, trace silt, medium stiff, dry to moist, mottled
				ML		(1.1 - 1.9) SILT, nonplastic, no dilatancy, little very fine to fine sand, trace clay, soft to medium stiff, moist, black
-2	36			CL		(1.9 - 4.0) LEAN CLAY, medium plasticity, little very fine to fine sand, trace silt, medium stiff, dry to moist, mottled
-3		0.3				
-4				CL		(4.0 - 6.4) LEAN CLAY, low to medium plasticity, medium dense to soft, dry to wet at 4.8 ft
-5		0.5				
-6	32					
				ML		(6.4 - 7.7) SANDY SILT, very fine to medium, little coarse, trace very coarse to small pebbles, subround to round, soft, very moist
-7		0.4				
-8				SM		(7.7 - 8.3) SILTY SAND, medium to coarse, little very coarse, trace granules to small

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-162_1-3 (20110906).
Sample analyzed for VOCs, DRO, PCBs, RCRA Metals, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973480.80
Easting: 484630.05
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 812.84

Descriptions By: KH

Well/Boring ID: **ASB-162**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						pebbles, round to subround, well sorted, loose, wet
				SM		(8.3 - 8.7) SILTY SAND, fine to coarse, trace very coarse to medium pebbles, round to subangular, well sorted, loose, very moist
				CL		(8.7 - 9.2) LEAN CLAY, nonplastic, no dilatancy, soft to medium dense, slightly moist, mottled, shale pieces
-9		0.7				
				ML		(9.2 - 12.0) SILT, little clay and very fine sand, very moist to wet, black to greenish gray (GLEY1 5/5GY)
-10	49					
-11		0.3				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-162_1-3 (20110906).
Sample analyzed for VOCs, DRO, PCBs, RCRA Metals, PAHs.
End of Boring – 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973514.35
Easting: 484666.29
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 808.67

Descriptions By: KH

Well/Boring ID: **ASB-163**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SM		(0.0 - 1.9) SILTY SAND, very fine to medium, some coarse to very coarse, little granule to medium pebbles, round to angular, poorly sorted, dry
-1		21.6				
-2	31			ML		(1.9 - 3.4) SILT, nonplastic, no dilatancy, some very fine sand, trace clay, soft to medium dense, moist, black, crumbly, slight odor
-3		177.8				
				SP		(3.4 - 4.4) POORLY GRADED SAND, fine to coarse, mostly medium, trace very coarse sand to small pebbles, well sorted, loose, slightly moist
-4						
				SP		(4.4 - 6.8) POORLY GRADED SAND, fine to medium, mostly medium, trace coarse to medium pebbles, round to subround, well sorted, loose to medium dense, moist to wet at 5.6 ft, color change from olive brown (2.5Y 4/4) to black at 5.7 ft, strong petrol odor
-5		143.7				
-6	23					
-7		920.7		ML		(6.8 - 9.2) SILT, medium plasticity, no dilatancy, little very fine sand, trace clay, organics, soft to medium dense, very moist, black, petrol odor
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-163_2-4 (20110906), ASB-163_4-6 (20110906).
Samples analyzed for VOCs, GRO, DRO, PAHs.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973514.35
Easting: 484666.29
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 808.67

Descriptions By: KH

Well/Boring ID: **ASB-163**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		862.1				
				CL		(9.2 - 9.6) SANDY LEAN CLAY, nonplastic, dilatant, crumbly, moist to wet
-10	46			CL		(9.6 - 12.0) LEAN CLAY, nonplastic, no dilatancy, silt to very fine sand laminations, medium stiff to hard, moist to dry, reworked
-11		70.2				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-163_2-4 (20110906), ASB-163_4-6 (20110906).
Samples analyzed for VOCs, GRO, DRO, PAHs.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973320.18
Easting: 484759.37
Focus Area: 7

Drilled Depth (ft): 11.5
Surface Elevation (ft): 809.11

Descriptions By: KH

Well/Boring ID: **ASB-164**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 0.4) SANDY SILT, nonplastic, dilatant, very fine to fine sand, little medium to coarse, trace very coarse and clay, slightly moist to dry
				SP		(0.4 - 4.9) POORLY GRADED SAND, very fine, trace silt and fine to medium sand, round, medium dense, wet, slightly mottled
-1						
-2	29					
-3		0.0				
-4						
-5		0.1		ML		(4.9 - 5.7) SANDY SILT, nonplastic, dilatant, very fine to fine sand, little medium sand to small pebbles, soft, mottled
-6	26			CL		(5.7 - 8.8) LEAN CLAY, nonplastic, no dilatancy, hard, dry, greenish gray (GLEY1 5/10GY)
-7						
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
No analytical samples collected.

Bedrock Refusal at 11.5 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973320.18
Easting: 484759.37
Focus Area: 7

Drilled Depth (ft): 11.5
Surface Elevation (ft): 809.11

Descriptions By: KH

Well/Boring ID: **ASB-164**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9	34	0.0		ML		(8.8 - 9.8) SILT, medium to high plasticity, some very fine to fine sand, little clay, organics, soft to medium stiff, very moist, black to dark greenish gray
-10		0.0		CL		(9.8 - 11.5) LEAN CLAY, medium plasticity, no dilatancy, some very fine to fine sand, little medium, trace granules to small pebbles, moist to wet at 10.4 ft, slightly mottled, greenish gray (GLEY1 5/10GY)
-11						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
No analytical samples collected.

Bedrock Refusal at 11.5 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973299.27
Easting: 484754.61
Focus Area: 7

Drilled Depth (ft): 10.5
Surface Elevation (ft): 808.91

Descriptions By: KH

Well/Boring ID: **ASB-165**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 1.1) SILT, nonplastic, no dilatancy, little very fine to fine sand, trace clay, soft, dry, black
-1		0.6				
				SP		(1.1 - 2.5) POORLY GRADED SAND, very fine, little silt, trace coarse to granules, well sorted, medium dense, wet
-2	38					
				ML		(2.5 - 5.0) SILT, nonplastic, no dilatancy, some very fine to fine sand, trace medium to coarse, moist, black
-3		0.0				
-4						
-5		4.0		CL		(5.0 - 8.0) LEAN CLAY, nonplastic, no dilatancy, crumbly, reworked, dry, dark greenish gray (GLEY1 4/5GY)
-6	27					
-7		0.4				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-165_0-2 (20110906).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 10.5 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973299.27
Easting: 484754.61
Focus Area: 7

Drilled Depth (ft): 10.5
Surface Elevation (ft): 808.91

Descriptions By: KH

Well/Boring ID: **ASB-165**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				ML		(8.0 - 10.5) SILT, some very fine to coarse sand, little small to large pebbles, trace clay, soft, mottled black
-9	15	0.1				
-10						

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-165_0-2 (20110906).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 10.5 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973290.11
Easting: 484771.80
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 809.87

Descriptions By: KH

Well/Boring ID: **ASB-166**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.3) CONCRETE
				SP		(0.3 - 1.0) POORLY GRADED SAND, fine to medium, little coarse, trace very coarse, round to subround, well sorted, loose, moist
-1		2.7		SM		(1.0 - 1.7) SILTY SAND, fine to medium, little coarse
-2	21			SP		(1.7 - 4.7) POORLY GRADED SAND, fine to medium, trace coarse to very coarse, broken cobbles throughout, moist to dry, fill material with broken glass, very dark greenish gray (GLEY1 3/10GY) seam
-3		19.5				
-4						
-5		5.8		FILL		(4.7 - 5.6) Broken Glass, wet
-6	28			CL		(5.6 - 8.0) LEAN CLAY, medium plasticity, no dilatancy, little silt to fine sand, trace granules to small pebbles and broken large pebbles, soft to medium stiff, mottled, reworked
-7		19.8				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-166_2-4 (20110906).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973290.11
Easting: 484771.80
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 809.87

Descriptions By: KH

Well/Boring ID: **ASB-166**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				ML		(8.0 - 9.1) SILT, nonplastic, no dilatancy, some very fine to fine sand, very soft, wet
-9		632.6		CL		(9.1 - 9.6) LEAN CLAY, nonplastic, no dilatancy, slightly moist to dry, mottled, reworked
				CL		(9.6 - 10.9) LEAN CLAY, medium plasticity, no dilatancy, little silt, trace organics, medium dense, moist, black, petrol odor
-10	28					
-11		636.6		CL		(10.9 - 11.9) SANDY LEAN CLAY, very fine to medium, little granules to medium pebbles, round to subround, medium stiff, very moist, mottled, reworked, dark greenish gray (GLEY2 4/10BG), petrol odor
-12				SANDSTONE		(11.9 - 12.0) SANDSTONE

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-166_2-4 (20110906).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973294.46
Easting: 484769.28
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 809.85

Descriptions By: KH

Well/Boring ID: **ASB-167**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.1) POORLY GRADED SAND, very fine to very coarse, little silt, round to angular, well sorted, loose, dry
-1		3.8				
				CL		(1.1 - 1.9) SANDY LEAN CLAY, nonplastic, no dilatancy, very fine to fine sand, little medium sand and silt, medium stiff to stiff, mottled, reworked
-2	26			SP		(1.9 - 3.2) POORLY GRADED SAND, very fine to very coarse, little silt, round to angular, well sorted, dry
-3		10.4				
				ML		(3.2 - 4.5) SILT, medium plasticity, no dilatancy, little clay and very fine sand, organics, soft, moist, black
-4						
				CL		(4.5 - 8.4) LEAN CLAY, nonplastic to low plasticity, no dilatancy, little silt to fine sand, medium stiff, slightly moist to dry, slightly mottled, reworked
-5		2.3				
-6	44					
		10.4				
-7						
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-167_0-2 (20110906), ASB-167_6-8 (20110906), ASB-167_8-10 (20110906).
Samples analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals, (Arsenic and TCLP Arsenic for [6-8] only).
End of Boring – 12 ft.

Date Start/Finish: 9/6/2011 / 9/6/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973294.46
Easting: 484769.28
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 809.85

Descriptions By: KH

Well/Boring ID: **ASB-167**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				CL		(8.4 - 10.5) LEAN CLAY, medium plasticity, no dilatancy, little silt, trace organics, medium dense, moist, black, petrol odor
-9		656.7				
-10	31					
				CL		(10.5 - 11.6) SANDY LEAN CLAY, nonplastic, no dilatancy, little silt and large pebbles, soft to very soft, wet, mottled
-11		480.1				
				SANDSTONE		(11.6 - 12.0) SANDSTONE, very fine sand, crumbles, dry to slightly moist
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-167_0-2 (20110906), ASB-167_6-8 (20110906), ASB-167_8-10 (20110906).
Samples analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals, (Arsenic and TCLP Arsenic for [6-8] only).
End of Boring – 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973375.74
Easting: 484682.27
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.61

Descriptions By: KH

Well/Boring ID: **ASB-168**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SW		(0.0 - 1.0) WELL GRADED SAND, very fine to medium, little silt and very coarse sand to medium pebbles, subangular to subround, poorly sorted, loose, dry, black
-1		1.3		SP		(1.0 - 1.8) POORLY GRADED SAND, very fine to fine, little silt and very coarse, trace small pebbles, round to subangular, well sorted, loose, slightly moist
-2	24			SP		(1.8 - 4.0) POORLY GRADED SAND, fine to medium, little coarse to very coarse, trace granules to medium pebbles, subround to round, well sorted, loose to medium dense, slightly moist to moist
-3		0.7				
-4				SW		(4.0 - 6.9) WELL GRADED SAND, fine to very coarse, some granules, little small pebbles, trace silt, round to subround, poorly sorted, moist
-5		0.9				
-6	28					
-7		0.2		CL		(6.9 - 8.0) LEAN CLAY, medium plasticity, no dilatancy, some silt to coarse sand, medium stiff, wet, mottled
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-168_0-2 (20110907), ASB-168_4-6 (20110907).
Samples analyzed for VOCs, GRO, DRO.
End of Boring – 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973375.74
Easting: 484682.27
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.61

Descriptions By: KH

Well/Boring ID: **ASB-168**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SP		(8.0 - 9.0) POORLY GRADED SAND, fine to very coarse, mostly medium to coarse, little granules, trace silt to very fine sand and small to medium pebbles, subround to angular, well sorted, medium dense, wet
-9		0.2		ML		(9.0 - 10.5) SILT, nonplastic to low plasticity, no dilatancy, little very fine sand, trace clay, organics, moist, black
-10	38					
				CL		(10.5 - 10.8) LEAN CLAY, medium plasticity, no dilatancy, little very fine sand, trace medium sand and silt, soft, very moist, gray (GLEY1 6/N)
-11		0.0		CL		(10.8 - 12.0) LEAN CLAY, low to medium plasticity, no dilatancy, medium stiff to stiff, moist, mottled
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-168_0-2 (20110907), ASB-168_4-6 (20110907).
Samples analyzed for VOCs, GRO, DRO.
End of Boring – 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973346.12
Easting: 484694.28
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 809.67

Descriptions By: KH

Well/Boring ID: **ASB-169**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 2.3) POORLY GRADED SAND, very fine to fine, little coarse to small pebbles, trace medium pebbles and silt, round to angular, well sorted, loose, dry to slightly moist
-1		0.0				
-2	29					
				SP		(2.3 - 6.3) POORLY GRADED SAND, fine to medium, mostly medium, little coarse to very coarse, trace granules, round to subround, well sorted, medium dense, slightly moist to wet at 5.5 ft
-3		0.0				
-4						
-5		0.0				
-6	39					
				ML		(6.3 - 6.6) SILT, nonplastic, no dilatancy, some very fine to medium sand, soft, wet
				CL		(6.6 - 7.0) LEAN CLAY, medium plasticity, no dilatancy, little very fine to fine sand, trace medium to very coarse, soft, very moist, mottled
-7		0.0		ML		(7.0 - 8.5) SILT, nonplastic, no dilatancy, little very fine to fine sand and organics, trace clay, medium stiff to soft, moist, black
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-169_3-5 (20110907).
Sample analyzed for VOCs, SVOCs, DRO, RCRA Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973346.12
Easting: 484694.28
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 809.67

Descriptions By: KH

Well/Boring ID: **ASB-169**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				ML		(8.5 - 9.5) SILT, low to medium plasticity, some clay, little very fine to fine sand and organics, medium stiff to soft, moist, black
-9		0.0				
				CL		(9.5 - 12.0) LEAN CLAY, low plasticity, no dilatancy, medium stiff, moist, mottled, fine sand laminations
-10	30					
		0.0				
-11						
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-169_3-5 (20110907).
Sample analyzed for VOCs, SVOCs, DRO, RCRA Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973335.16
Easting: 484708.64
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.22

Descriptions By: KH

Well/Boring ID: **ASB-170**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.4) CONCRETE
				FILL		(0.4 - 1.1) FILL
-1		1.4				
				SP		(1.1 - 2.3) POORLY GRADED SAND, very fine to fine, little silt, trace medium sand, well sorted, loose to medium stiff, slightly moist, black
-2	30					
				CL		(2.3 - 8.6) LEAN CLAY, nonplastic, no dilatancy, stiff, slightly moist to dry to wet at 6.8 ft, very slightly mottled, sand seam of very fine to medium sand, little coarse to granules , reworked, seams of medium plasticity
-3		0.8				
-4						
-5		1.6				
-6	37					
-7		1.4				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
ASB-170_0-2 (20110907) collected and analyzed for VOCs, SVOCs, PCBs, TAL Metals.
ASB-170_4-6 (20110907 collected and analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973335.16
Easting: 484708.64
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.22

Descriptions By: KH

Well/Boring ID: **ASB-170**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				ML		(8.6 - 10.2) SILT, nonplastic, no dilatancy, some very fine sand, trace clay, organics, medium stiff to stiff, slightly moist, black
-9		0.8				
-10	37					
				CH		(10.2 - 11.4) FAT CLAY, medium to high plasticity, dilatant, little silt to very fine sand, very soft to soft, very moist to wet
-11		1.0				
				CL		(11.4 - 12.0) LEAN CLAY, medium plasticity, some silt to fine sand, trace coarse sand to medium pebbles, stiff, moist, slight mottling, reworked
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
ASB-170_0-2 (20110907) collected and analyzed for VOCs, SVOCs, PCBs, TAL Metals.
ASB-170_4-6 (20110907 collected and analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973270.77
Easting: 484755.89
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 809.47

Descriptions By: KH

Well/Boring ID: **ASB-171**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 1.3) FILL
-1		0.8				
-2	30			CL		(1.3 - 2.5) LEAN CLAY, low to medium plasticity, no dilatancy, some very fine to fine sand, medium stiff to stiff, moist, slightly mottled
-3		0.6		CL		(2.5 - 3.5) LEAN CLAY, medium plasticity, no dilatancy, little clay and very fine sand, medium stiff, moist, black
-4				CL		(3.5 - 6.4) LEAN CLAY, low to medium plasticity, no dilatancy, some very fine to fine sand, medium stiff to stiff, moist to wet at 6.2 ft, slightly mottled
-5	34	0.7				
-6						
-7		0.5		SP		(6.4 - 7.6) POORLY GRADED SAND, medium to coarse, little silt to very fine and very coarse, round to subround, well sorted, loose, wet
-8				ML		(7.6 - 10.2) SILT, nonplastic, no dilatancy, some very fine to fine sand, organics, soft to medium stiff, moist to wet, black

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-171_1-3 (20110907).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973270.77
Easting: 484755.89
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 809.47

Descriptions By: KH

Well/Boring ID: **ASB-171**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.7				
-10	34					
				SM		(10.2 - 11.8) SILTY SAND, very fine to medium, little coarse to small pebbles, round to angular, medium dense to dense, poorly sorted, wet, mottled, reworked
-11		0.3				
-12				LIMESTONE		(11.8 - 12.0) LIMESTONE

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-171_1-3 (20110907).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973268.96
Easting: 484798.70
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 810.33

Descriptions By: KH

Well/Boring ID: **ASB-172**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.4) CONCRETE
				SP		(0.4 - 2.2) POORLY GRADED SAND, fine to coarse, mostly fine to medium, round to subround, well sorted, medium dense, slightly moist
-1		4.5				
-2	24					
				ML		(2.2 - 4.7) SANDY SILT/SILTY SAND, nonplastic, dilatant, very fine sand, round, dense, wet, black, petrol odor
-3		14.9				
-4						
				CL		(4.7 - 7.4) LEAN CLAY, nonplastic, no dilatancy, medium dense, dry, shale pieces
-5						
-6	19					
-7		212				
				ML		(7.4 - 8.5) SILT, nonplastic, no dilatancy, little very fine to fine sand, trace clay, round, organics, medium stiff, moist, black
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-172_1-3 (20110907).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973268.96
Easting: 484798.70
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 810.33

Descriptions By: KH

Well/Boring ID: **ASB-172**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				CL		(8.5 - 9.2) LEAN CLAY, medium plasticity, trace silt, medium stiff, moist, black
-9		575.7				
				CL		(9.2 - 11.5) LEAN CLAY, medium plasticity, trace silt, medium stiff, moist to wet at 11.5 ft, slightly mottled black and very dark greenish gray (GLEY1 3/10Y)
-10	46					
-11		532.6				
				ML		(11.5 - 12.0) SANDY SILT, nonplastic, very fine sand, soft, wet
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-172_1-3 (20110907).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973268.81
Easting: 484778.51
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 809.94

Descriptions By: KH

Well/Boring ID: **ASB-173**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.3) CONCRETE
				SP		(0.3 - 0.8) POORLY GRADED SAND, fine to medium, little coarse, trace very coarse to small pebbles, round to subangular, well sorted, slightly moist
-1		1.0		CL		(0.8 - 2.8) LEAN CLAY, little silt to fine sand, organics, subround to subangular, dry to slightly moist, mottled
-2	30					
-3		2.5		SM		(2.8 - 4.0) SILTY SAND, medium to coarse, round, wet at 3.3 ft,
-4				ML		(4.0 - 5.0) SANDY SILT, nonplastic, slightly dilatant, very fine to medium sand, organics, broken glass, very moist to wet, black, petrol odor
-5		386.2		ML		(5.0 - 5.5) SILT, nonplastic to low plasticity, no dilatancy, little very fine to fine sand, trace clay, medium stiff, moist, black
				CL		(5.5 - 8.9) LEAN CLAY, low plasticity, no dilatancy, medium stiff, dry to slightly moist, greenish gray (GLEY1 5/10GY), bluish black (GLEY2 2.5/10B) and dark greenish gray (GLEY2 4/5BG)
-6	34					
-7		398.3				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-173_1-3 (20110907).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973268.81
Easting: 484778.51
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 809.94

Descriptions By: KH

Well/Boring ID: **ASB-173**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		817.6		CL		(8.9 - 11.5) LEAN CLAY, low to medium plasticity, no dilatancy, little clay, organics, medium stiff, moist to very moist, mottling black and bluish gray (GLEY2 5/5B), petrol odor
-10	44					
-11		373.7				
				LIMESTONE		(11.5 - 12.0) LIMESTONE
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-173_1-3 (20110907).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973257.61
Easting: 484748.95
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.03

Descriptions By: KH

Well/Boring ID: **ASB-174**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 1.0) FILL
-1		0.0		ML		(1.0 - 1.2) SILT, low plasticity, no dilatancy, some very fine to fine sand, little clay, medium stiff, slightly moist, black
				CL		(1.2 - 2.7) LEAN CLAY, medium plasticity, medium stiff to stiff, moist, mottled, very fine to coarse sand seam, subangular to subround, dry
-2	28					
-3		1.0		ML		(2.7 - 3.2) SILT, nonplastic, dilatant, some very fine to fine sand, soft to medium stiff, wet, black
				SP		(3.2 - 4.0) POORLY GRADED SAND, very fine to medium, little coarse sand and silt, trace very coarse to medium pebbles, well sorted, moist, brown
-4				CL		(4.0 - 7.2) LEAN CLAY, nonplastic, no dilatancy, dry to slightly moist, mottled, reworked
-5		1.1				
-6	35					
-7		1.0				
				SP		(7.2 - 8.8) POORLY GRADED SAND, fine to medium, little coarse, trace silt and very coarse to small pebbles, subangular to subround, well sorted, wet
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-174_4-6 (20110907).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/7/2011 / 9/7/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973257.61
Easting: 484748.95
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.03

Descriptions By: KH

Well/Boring ID: **ASB-174**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.4		CL		(8.8 - 11.6) LEAN CLAY, medium plasticity, dilatant, little silt to very fine sand, organics, wet, black, reworked
-10	22					
-11						
-12				LIMESTONE		(11.6 - 12.0) LIMESTONE

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-174_4-6 (20110907).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973238.92
Easting: 484800.66
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 810.11

Descriptions By: KH

Well/Boring ID: **ASB-175**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.2) CONCRETE
				SP		(0.2 - 1.6) POORLY GRADED SAND, fine to medium, mostly medium, trace coarse to granules, round to subround, well sorted, medium dense, slightly moist
-1		5.3				
				CL		(1.6 - 2.5) LEAN CLAY, low to medium plasticity, no dilatancy, trace silt to fine sand, medium stiff to stiff, slightly moist, black
-2	33					
				SP		(2.5 - 4.4) POORLY GRADED SAND, very fine to fine, trace silt, round to subround, well sorted, slightly moist to moist, black, petrol odor
-3		730.5				
-4						
				CL		(4.4 - 4.9) LEAN CLAY, medium plasticity, no dilatancy, some very fine sand, little silt, trace fine to medium sand, subround to round, organics, medium stiff, moist, black, petrol odor
-5		902.8		CL		(4.9 - 8.7) LEAN CLAY, nonplastic, no dilatancy, medium stiff to stiff, dry, slightly mottled, greenish gray (GLEY1 5/5G)
-6	32					
-7		18.1				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-175_4-6 (20110908).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973238.92
Easting: 484800.66
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): 810.11

Descriptions By: KH

Well/Boring ID: **ASB-175**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9	34	70.8		ML		(8.7 - 9.9) SILT, low plasticity, no dilatancy, some very fine sand, little clay, slightly moist to moist, black, organic odor
-10				CH		(9.9 - 10.9) FAT CLAY, medium to high plasticity, little silt to very fine to fine sand, trace very coarse sand to medium pebbles, very moist, mottled
-11		7.0		CL		(10.9 - 11.3) LEAN CLAY, low to medium plasticity, no dilatancy, very stiff, slightly moist, mottled
				LIMESTONE		(11.3 - 12.0) LIMESTONE
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-175_4-6 (20110908).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973224.58
Easting: 484763.20
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.12

Descriptions By: KH

Well/Boring ID: **ASB-176**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.6) POORLY GRADED SAND, fine to medium, little coarse, round to subround, well sort, medium dense, moist
				CL		(0.6 - 4.0) LEAN CLAY, nonplastic, no dilatancy, medium stiff, slightly moist, slightly mottled, dark greenish gray (GLEY1 4/10Y), SANDY SILT, very fine sand seam at 0.6 ft; SILT, little very fine to medium sand seam at 3.4 ft, very dark grayish brown (10YR 3/2)
-1						
-2	16	1.5				
-3						
-4				CL		(4.0 - 6.3) LEAN CLAY, low plasticity, no dilatancy, moist, mottled, shale pieces
-5						
-6	24	1.6				
				ML		(6.3 - 6.6) SILT, some very fine to medium sand, trace coarse to granules, angular to subangular, soft, very moist to wet
				CL		(6.6 - 8.6) LEAN CLAY, low plasticity, no dilatancy, moist, mottled, shale pieces
-7						
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-176_8-10 (20110908).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973224.58
Easting: 484763.20
Focus Area: 4

Drilled Depth (ft): 12
Surface Elevation (ft): 810.12

Descriptions By: KH

Well/Boring ID: **ASB-176**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		861.6		ML		(8.6 - 9.9) SILT, nonplastic, no dilatancy, some very fine sand, little clay, organics, medium stiff, slightly moist, black
-10	38			ML		(9.9 - 10.8) SILT, little very fine sand, trace clay and organics, soft, very moist to wet, petrol odor
-11		840.5		SM		(10.8 - 11.8) SILTY SAND, very fine to coarse sand, little very coarse to small pebbles, trace medium pebbles, organics, very moist, mottled, broken bedrock pieces, yellowish brown (10YR 5/6) and black
-12				LIMESTONE		(11.8 - 12.0) LIMESTONE

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-176_8-10 (20110908).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 12 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973270.33
Easting: 484853.44
Focus Area: 6

Drilled Depth (ft): 7
Surface Elevation (ft): 809.10

Descriptions By: KH

Well/Boring ID: **ASB-177**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 0.8) FILL - very fine to coarse sand, little very coarse to medium pebbles, trace silt, round to angular
-1				SP		(0.8 - 1.8) POORLY GRADED SAND, medium, little coarse to very coarse, trace granule, subround to subangular, well sorted, loose to medium dense, slightly moist
-2	32	0.9		SP		(1.8 - 3.2) POORLY GRADED SAND, fine to coarse, little very coarse to granules, trace small pebbles, subround to subangular, well sorted, loose to medium dense, slightly moist
-3				CL		(3.2 - 5.2) LEAN CLAY, nonplastic, no dilatancy, medium stiff, dry to slightly moist, crumbly, hard pieces, greenish gray (GLEY1 5/5GY)
-4		0.9				
-5	26			SP		(5.2 - 6.2) POORLY GRADED SAND, fine to medium, trace silt and very coarse to small pebbles, round to subangular, well sorted, medium dense, very moist
-6		1.4		GP		(6.2 - 6.4) POORLY GRADED GRAVEL, medium to large pebbles, little very fine to medium sand, trace silt, subround, well sorted, dense, wet
				CL		(6.4 - 7.0) LEAN CLAY, nonplastic, no dilatancy, very stiff to hard, crumbly, dry, dark greenish gray (GLEY1 4/5GY)
-7						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-177_4-6 (20110908).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 7 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973218.76
Easting: 484888.68
Focus Area: 6

Drilled Depth (ft): 4
Surface Elevation (ft): 810.19

Descriptions By: KH

Well/Boring ID: **ASB-178**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.4) POORLY GRADED SAND, very fine to medium, mostly medium, little coarse, trace very coarse to medium pebbles, round to subround, well sorted, medium dense, very moist
				CL		(0.4 - 4.0) LEAN CLAY, nonplastic to low plasticity, medium stiff to hard, moist to dry, dark greenish gray (GLEY1 4/5G) and light greenish gray (GLEY1 7/10GY)
-1		0.0				
-2	39					
		0.0				
-3						
-4						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-178_0-2 (20110908).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
Bedrock Refusal at 4 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973206.23
Easting: 484928.88
Focus Area: 6

Drilled Depth (ft): 4.5
Surface Elevation (ft): 810.91

Descriptions By: KH

Well/Boring ID: **ASB-179**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.4) POORLY GRADED SAND, fine to coarse, little very coarse, trace granules to small pebbles, round to subangular, well sorted, dense, moist
				CL		(0.4 - 4.0) LEAN CLAY, nonplastic, no dilatancy, medium stiff to hard, dry, crackled, dark greenish gray (GLEY1 4/10GY), weathered shale
-1		0.0				
-2	42					
-3		0.0				
-4						
	6			SHALE		(4.0 - 4.5) SHALE

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-179_0-2 (20110908).
Sample analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 4.5 ft.

Date Start/Finish: 9/8/2011 / 9/8/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973190.94
Easting: 484963.62
Focus Area: 6

Drilled Depth (ft): 4
Surface Elevation (ft): 811.13

Descriptions By: KH

Well/Boring ID: **ASB-180**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.4) POORLY GRADED SAND, fine to coarse, mostly medium, little very coarse to granules, trace small to medium pebbles, round to subangular, well sorted, medium dense, very moist
				CL		(0.4 - 4.0) LEAN CLAY, nonplastic, no dilatancy, medium stiff to hard, dry, crackled, dark greenish gray (GLEY1 4/5G), weathered shale
-1		0.0				
-2	37					
-3		0.0				
-4						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-180_0-2 (20110908), ASB-180_2-4 (20110908).
Samples analyzed for VOCs, SVOCs, GRO, DRO, PCBs, TAL Metals.
Bedrock Refusal at 4 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973248.93
Easting: 484830.14
Focus Area: 6

Drilled Depth (ft): 11
Surface Elevation (ft): 810.34

Descriptions By: KH

Well/Boring ID: **ASB-181**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.8) CONCRETE
-1		0.7		SW		(0.8 - 1.6) WELL GRADED SAND, very fine to very coarse, mostly very coarse, little granules to small pebbles, trace medium pebbles and silt, subround to subangular, poorly sorted, very moist
-2	34			CL		(1.6 - 2.4) LEAN CLAY, nonplastic, no dilatancy, very stiff, dry, slightly mottled, greenish gray (GLEY1 5/10GY)
				ML		(2.4 - 2.6) SANDY SILT, very fine to coarse sand, subangular to subround, wet, black
-3		40.1		SP		(2.6 - 4.6) POORLY GRADED SAND, fine, round to subround, well sorted, medium dense, moist, gray
-4						
-5		28.6		ML		(4.6 - 5.7) SILT, low to medium plasticity, no dilatancy, little clay and very fine to fine sand, trace medium sand, organics, broken glass, moist, black
-6	28			CL		(5.7 - 8.0) LEAN CLAY, medium to high plasticity, no dilatancy, little silt to very fine sand, trace fine sand and small to medium pebbles, organics, medium stiff, moist, black mottled
-7		87.6				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-181_6-8 (20110909).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 11 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973248.93
Easting: 484830.14
Focus Area: 6

Drilled Depth (ft): 11
Surface Elevation (ft): 810.34

Descriptions By: KH

Well/Boring ID: **ASB-181**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8	45	102.6		ML		(8.0 - 9.6) SILT, medium to high plasticity, little very fine to fine sand, broken glass, organics, very moist to wet, black; sandy silt seam, very fine to fine sand, subround
-9						
-10		5.3		CL		(9.6 - 11.0) LEAN CLAY, medium to low plasticity, no dilatancy, medium stiff to hard, moist to slightly moist, mottled, dark yellowish brown (10YR 4/6) and olive gray (5Y 4/2); silt to very fine sand lamination
-11				LIMESTONE		(11.0 - 11.0) LIMESTONE

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-181_6-8 (20110909).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 11 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973298.95
Easting: 484808.03
Focus Area: 6

Drilled Depth (ft): 11.5
Surface Elevation (ft): 810.02

Descriptions By: KH

Well/Boring ID: **ASB-182**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CL		(0.0 - 4.2) LEAN CLAY, little very fine to fine sand, subround, organics, medium stiff to very stiff, moist to slightly moist, olive (5Y 5/3) and greenish gray (GLEY1 5/5G), petrol odor
-1		29.3				
-2	41					
-3		723.9				
-4				CL		(4.2 - 4.9) LEAN CLAY, nonplastic, no dilatancy, medium stiff, slightly moist to dry, slightly mottled, crumbly
-5		719.3		ML		(4.9 - 5.6) SILT, low to medium plasticity, little clay and very fine sand, organics, medium stiff, black, odor
-6	49			CL		(5.6 - 8.3) LEAN CLAY, medium to high plasticity, no dilatancy, medium stiff to stiff, black to dark greenish gray (GLEY1 4/10Y) at 7.1 ft
-7		419				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-182_2-4 (20110909).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 11.5 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011 **Drilling Company:** Stevens Drilling & Environmental **Driller's Name:** Dan Hunter **Drilling Method:** Geoprobe **Sampling Method:** Macrocore	**Northing:** 4973298.95 **Easting:** 484808.03 **Focus Area:** 6 **Drilled Depth (ft):** 11.5 **Surface Elevation (ft):** 810.02 **Descriptions By:** KH	**Well/Boring ID:** **ASB-182** **Client:** Ford Motor Company **Location:** Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				CL		(8.3 - 11.5) LEAN CLAY, organics, medium stiff to stiff to hard, moist to slightly moist, mottled, odor; very coarse sand to medium pebbles, subangular, little silt from 8.8 to 9 ft
-9		95.2				
	46					
-10						
		91.8				
-11						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:

ft: feet

NA: Not applicable/not available

Coordinates given in UTM Zone 15N, elevation given in NGVD 29.

Collected sample ASB-182_2-4 (20110909).

Sample analyzed for VOCs, GRO, DRO, TAL Metals.

Bedrock Refusal at 11.5 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973312.01
Easting: 484838.50
Focus Area: 6

Drilled Depth (ft): 7
Surface Elevation (ft): 808.85

Descriptions By: KH

Well/Boring ID: **ASB-183**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.9) POORLY GRADED SAND, very fine to medium sand, little coarse to granules, trace small to medium pebbles and silt, subangular to angular, well sorted, yellow (10YR 7/6) to black
-1		0.3		CL		(0.9 - 4.0) LEAN CLAY, nonplastic, no dilatancy, stiff, moist to dry, dark greenish gray (GLEY1 4/5G) to light greenish gray (GLEY2 7/10G), weathered shale pieces
-2	44					
-3		0.0				
-4				SHALE		(4.0 - 6.7) SHALE, weathered, nonplastic, no dilatancy, medium stiff to hard, dry, crumbly, dark greenish gray (GLEY1 4/10GY) to greenish gray (GLEY1 5/10GY)
		0.0				
-5						
	45					
-6		0.0				
-7				SHALE		(6.7 - 7.0) SHALE, dark greenish gray (GLEY1 4/10GY)

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-183_0-2 (20110909).
Sample analyzed for VOCs, GRO, DRO, TAL Metals.
Bedrock Refusal at 7 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973468.51
Easting: 484772.44
Focus Area: 6

Drilled Depth (ft): 10
Surface Elevation (ft): 810.30

Descriptions By: KH

Well/Boring ID: **ASB-184**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.9) POORLY GRADED SAND, fine to coarse, little very coarse, trace granules to small pebbles, subangular to subround, well sorted, slightly moist
-1		0.0		CL		(0.9 - 1.2) LEAN CLAY, medium to low plasticity, no dilatancy, little very fine to fine sand, trace medium sand, very stiff, greenish black (GLEY1 2.5/10GY)
				ML		(1.2 - 4.3) SILT, nonplastic to low plasticity, no dilatancy, some fine sand, little very fine sand, trace medium sand and clay, moist, black
-2	37					
-3		0.0				
-4						
				CL		(4.3 - 8.4) LEAN CLAY, low to medium plasticity, no dilatancy, some silt, little very fine to fine sand, medium stiff, moist, mottled greenish gray (GLEY1 6/5GY) and olive (5Y 4/4)
-5		0.0				
-6	50					
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-184_2-4 (20110909).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
Bedrock Refusal at 10 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011 **Drilling Company:** Stevens Drilling & Environmental **Driller's Name:** Dan Hunter **Drilling Method:** Geoprobe **Sampling Method:** Macrocore	**Northing:** 4973468.51 **Easting:** 484772.44 **Focus Area:** 6 **Drilled Depth (ft):** 10 **Surface Elevation (ft):** 810.30 **Descriptions By:** KH	**Well/Boring ID:** **ASB-184** **Client:** Ford Motor Company **Location:** Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				CL		(8.4 - 9.9) LEAN CLAY, nonplastic to low plasticity, no dilatancy, medium stiff to stiff, moist, mottled greenish gray (GLEY1 5/10GY) and olive (5Y 5/4)
-9	45	0.0				
				LIMESTONE		(9.9 - 10.0) LIMESTONE
-10						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:

ft: feet

NA: Not applicable/not available

Coordinates given in UTM Zone 15N, elevation given in NGVD 29.

Collected sample ASB-184_2-4 (20110909).

Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.

Bedrock Refusal at 10 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973315.05
Easting: 484918.74
Focus Area: 6

Drilled Depth (ft): 8
Surface Elevation (ft): 829.27

Descriptions By: KH

Well/Boring ID: **ASB-185**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.9) POORLY GRADED SAND, very fine to fine, little medium and silt, trace coarse to medium pebble, round to subround, well sorted, loose to medium dense, slightly moist
-1		0.0				
-2	34			ASPHALT		(1.9 - 2.4) ASPHALT, piece of old lot
				SP		(2.4 - 2.6) POORLY GRADED SAND, fine to medium, little coarse to granules, round to subangular, well sorted, moist
				CL		(2.6 - 4.0) LEAN CLAY, nonplastic to low plasticity, no dilatancy, little very fine sand to granules, trace small to medium pebbles, organics, very stiff to hard, slightly moist, mottled
-3		0.0				
-4				CL		(4.0 - 5.3) LEAN CLAY, nonplastic, no dilatancy, very stiff to hard, slightly moist to dry, slightly mottled, greenish gray (GLEY1 5/5GY) and yellowish brown (10YR 5/6), rust colorations
-5		0.0				
				CL		(5.3 - 5.9) LEAN CLAY, broken rock pieces, reworked, olive (5Y 5/4)
-6	49			CL		(5.9 - 6.3) LEAN CLAY, nonplastic, no dilatancy, very stiff to hard, slightly moist to dry, slightly mottled, greenish gray (GLEY1 5/5GY) and yellowish brown (10YR 5/6), rust colorations
				SHALE		(6.3 - 8.0) SHALE, weathered, dark greenish gray (GLEY1 4/10GY)
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-185_0-2 (20110909), ASB-185_4-6(20110909).
Samples analyzed for VOCs, SVOCs, RCRA Metals.
End of Boring – 8 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973293.74
Easting: 484928.85
Focus Area: 6

Drilled Depth (ft): 8
Surface Elevation (ft): 828.35

Descriptions By: KH

Well/Boring ID: **ASB-186**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 0.4) POORLY GRADED SAND, fine to medium, little coarse to granules, trace small to medium pebbles and silt, round to subangular, well sorted, loose to medium dense, slightly moist
				CL		(0.4 - 6.7) LEAN CLAY, low plasticity, slightly moist to dry, mottled greenish gray (GLEY1 5/10GY) and yellowish brown (10YR 5/6); very fine sand to granule seam, trace small pebbles, round to subangular from 1.5 to 2.2 ft
-1		0.0				
-2	30					
-3		0.0				
-4						
-5		0.0				
-6	46					
-7		0.0		SHALE		(6.7 - 8.0) SHALE, weathered, dark greenish gray (GLEY1 4/10GY)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-186_0-2 (20110909), ASB-186_4-6(20110909).
Samples analyzed for VOCs, SVOCs, RCRA Metals.
Bedrock Refusal at 8 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973374.86
Easting: 484986.70
Focus Area: 5

Drilled Depth (ft): 10.5
Surface Elevation (ft): 831.91

Descriptions By: KH

Well/Boring ID: **ASB-187**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 0.9) SILT, nonplastic, little very fine to medium sand, trace clay, organics, medium stiff, slightly moist, black
-1		0.0		SP		(0.9 - 4.3) POORLY GRADED SAND, fine to medium, little coarse to granules, trace small to medium pebbles, subround to subangular, moist; silt seam from 1.7 to 2.1 ft, some very fine to fine sand, little medium to coarse sand and clay, black
-2	30					
-3		0.0				
-4						
-5		0.0		SW		(4.3 - 5.1) WELL GRADED SAND WITH GRAVEL, medium to very coarse, some granules to medium pebbles, trace large pebbles and clay to silt, subround to angular, poorly sorted, moist
-6	43			CL		(5.1 - 8.0) LEAN CLAY, nonplastic, no dilatancy, hard, slightly moist to dry, reworked, greenish gray (GLEY1 5/5GY), weathered shale pieces
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-187_2-4 (20110909).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
Bedrock Refusal at 10.5 ft.

Date Start/Finish: 9/9/2011 / 9/9/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973374.86
Easting: 484986.70
Focus Area: 5

Drilled Depth (ft): 10.5
Surface Elevation (ft): 831.91

Descriptions By: KH

Well/Boring ID: **ASB-187**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8		0.0		ML		(8.0 - 8.7) SILT, nonplastic, no dilatancy, some very fine to fine sand, little medium to very coarse, very soft, wet
				SP		(8.7 - 8.9) POORLY GRADED SAND, fine to very coarse, little granules, trace small to medium pebbles, round to subangular, well sorted, loose to medium dense, wet
-9	46			SHALE		(8.9 - 10.5) SHALE, weathered
		0.0				
-10						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-187_2-4 (20110909).
Sample analyzed for VOCs, SVOCs, DRO, PCBs, RCRA Metals.
Bedrock Refusal at 10.5 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973332.47
Easting: 484350.13
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 719.85

Descriptions By: RO

Well/Boring ID: **ASB-188**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
-1		0.4		CL		(0.7 - 2.5) SANDY LEAN CLAY, fine to coarse sand, trace gravel, moist, very dusky red (2.5YR 2.5/2)
-2	2.5					
		0.7		CL		(2.5 - 8.7) LEAN CLAY, plastic, trace sand, some relic fracturing like highly weathered rock, greenish gray (GLEY1 5/10Y); clayey sand seams from 4 to 6 ft, iron staining from 6 to 8 ft
-3						
		0.8				
-4						
-5		1.3				
-6	4					
-7		1.4				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-188_0-2 (20110912), ASB-188_4-6 (20110912), ASB-188_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973332.47
Easting: 484350.13
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 719.85

Descriptions By: RO

Well/Boring ID: **ASB-188**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				LIMESTONE		(8.7 - 9.0) LIMESTONE, crushed, dry, white (2.5Y 8/1)
-9		0.7		SP		(9.0 - 10.1) POORLY GRADED SAND, fine to coarse, grading to fine with depth, moist to wet, trace iron staining
-10	4.5			CL		(10.1 - 11.3) LEAN CLAY, organic, peat odor, soft, moist, light greenish gray (GLEY2 8/10G)
-11		0.3		LIMESTONE		(11.3 - 11.6) LIMESTONE, crushed rock/gravel, dry, white (2.5Y 8/1)
				SP		(11.6 - 12.0) POORLY GRADED SAND, fine to medium, moist, very dark brown (10YR 2/2)
-12				SP		(12.0 - 14.7) POORLY GRADED SAND WITH GRAVEL, fine to medium, trace clay, slightly moist, dark gray (7.5YR 4/1)
-13	3	0.2				
-14						
				SP		(14.7 - 15.0) POORLY GRADED SAND, fine, slightly moist, white (5Y 8/1); broken up sandstone
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-188_0-2 (20110912), ASB-188_4-6 (20110912), ASB-188_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973326.86
Easting: 484355.97
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 719.79

Descriptions By: RO

Well/Boring ID: **ASB-189**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
-1		0.6		CL		(0.7 - 6.5) LEAN CLAY WITH GRAVEL, low plasticity, hard, greenish gray (GLEY1 5/5G) with dark brown mottling, metal piece at 2 ft, structural fractures throughout, weathered limestone pieces, increasing gravel with depth
-2	2.5					
-3		0.7				
-4						
-5		0.5				
-6	3					
				SANDSTONE		(6.5 - 6.8) SANDSTONE, rocks/gravel, dry
-7		0.8		CL		(6.8 - 9.6) LEAN CLAY, organic, trace fine to coarse sand, small roots, dry
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-189_0-2 (20110912), ASB-189_4-6 (20110912), ASB-189_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973326.86
Easting: 484355.97
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 719.79

Descriptions By: RO

Well/Boring ID: **ASB-189**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.8				
-10	3.3			SP		(9.6 - 11.0) POORLY GRADED SAND, fine to coarse, trace gravel, moist, dark reddish brown (5YR 3/2)
-11		0.5		SC		(11.0 - 12.0) CLAYEY SAND, fine to medium, moist, white (5YR 8/1)
-12				SP		(12.0 - 12.6) POORLY GRADED SAND, fine, some gravel/limestone, dry, very pale brown (7.5YR 7/3)
-13	2.5	0.3		SP		(12.6 - 13.8) POORLY GRADED SAND, fine, uniform, lightly moist, white (5Y 8/1)
-14		0.5		SANDSTONE		(13.8 - 15.0) SANDSTONE, broken down into fine sand, uniform, sandstone rock at 14.5 ft, banded layers 1-2mm of light brown to dark brown
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-189_0-2 (20110912), ASB-189_4-6 (20110912), ASB-189_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973322.68
Easting: 484351.07
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 719.94

Descriptions By: RO

Well/Boring ID: **ASB-190**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
				SP		(0.7 - 1.0) POORLY GRADED SAND, fine to coarse, moist, brown (10YR 4/3)
-1		0.5		CL		(1.0 - 4.0) LEAN CLAY, trace sand, dry, greenish gray (GLEY2 6/10BG) and some mottling with dark brown, weathered limestone pieces, fill
-2	3.1					
-3		0.2				
-4				CL		(4.0 - 7.5) SANDY LEAN CLAY WITH GRAVEL, fine to coarse, some small rounded rocks, moist, lots of mottling between brown (5YR 4/2), black (GLEY2 2.5/10BG) and greenish gray (GLEY2 6/10BG), minor iron staining
-5		0.7				
-6	4					
-7		0.4				
-8				SP		(7.5 - 8.0) POORLY GRADED SAND, medium, trace rounded rocks, moist, dusky red (10R 3/2)

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-190_0-2 (20110912), ASB-190_8-10 (20110912), ASB-190_10-12 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973322.68
Easting: 484351.07
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 719.94

Descriptions By: RO

Well/Boring ID: **ASB-190**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				CL		(8.0 - 10.5) LEAN CLAY, with limestone gravel, greenish gray (GLEY2 6/10BG) with some tan mottling
-9		0.2				
-10	3.6					
		0.3		CL		(10.5 - 11.5) LEAN CLAY WITH GRAVEL, trace sand, moist, mottling between greenish gray (GLEY2 6/10BG), greenish black (GLEY2 2.5/10BG), and strong brown (7.5YR 5/6)
-11				CL		(11.5 - 12.0) LEAN CLAY, organic, mica flakes, slightly moist, mottled, greenish black (GLEY2 2.5/10BG)
-12				SC		(12.0 - 13.0) CLAYEY SAND, fine to coarse sand, gravel, moist, dark brown (7.5YR 3/2)
-13		0.1		SP		(13.0 - 15.0) POORLY GRADED SAND, fine, uniform, slightly moist, white (5Y 8/1), iron staining, minor stratification with darker bands
	3					
-14		0.4				
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-190_0-2 (20110912), ASB-190_8-10 (20110912), ASB-190_10-12 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973320.08
Easting: 484348.46
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 720.10

Descriptions By: RO

Well/Boring ID: **ASB-191**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
				SP		(0.7 - 1.0) POORLY GRADED SAND WITH GRAVEL, fine to coarse, base for concrete
-1		0.3		CL		(1.0 - 6.0) LEAN CLAY, weathered limestone (gravel-size) pieces, dry, mottling with dark brown, minor iron staining
-2	2.5					
-3		0.1				
-4						
-5		1.0				
-6	2			SP		(6.0 - 8.3) POORLY GRADED SAND, medium to coarse, gravel, moist, brown (10YR 4/3)
-7		0.8				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-191_0-2 (20110912), ASB-191_4-6 (20110912), ASB-191_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973320.08
Easting: 484348.46
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 720.10

Descriptions By: RO

Well/Boring ID: **ASB-191**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				SP		(8.3 - 9.0) POORLY GRADED SAND, fine to medium, trace coarse sand, dry, light gray (10YR 7/1)
-9		0.9		CL		(9.0 - 11.7) LEAN CLAY, trace sand, moist, mottled greenish gray (GLEY2 6/10BG), greenish black (GLEY2 2.5/10BG), and brownish yellow (10YR 6/8)
-10	3.5					
-11		0.6				
				CL		(11.7 - 13.5) LEAN CLAY, organic, mica flakes, slightly moist, greenish black (GLEY2 6/10BG)
-12						
-13						
	1	0.2		SP		(13.5 - 15.0) POORLY GRADED SAND, fine, very weathered, slightly moist, white (5Y 8/1), minor stratification with darker bands
-14						
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-191_0-2 (20110912), ASB-191_4-6 (20110912), ASB-191_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973314.60
Easting: 484348.87
Focus Area: 11

Drilled Depth (ft): 12
Surface Elevation (ft): 720.16

Descriptions By: RO

Well/Boring ID: **ASB-192**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 12.0) POORLY GRADED SAND WITH GRAVEL, round, moist to dry, grayish brown (10YR 5/2); clayey sand lens from 3 to 3.5 ft; root at 3.9 ft; very hard at 8 ft
-1		0.0				
-2	2					
-3		0.0				
-4						
-5		0.1				
-6	3					
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-192_0-2 (20110912), ASB-192_4-6 (20110912), ASB-192_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 12 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973314.60
Easting: 484348.87
Focus Area: 11

Drilled Depth (ft): 12
Surface Elevation (ft): 720.16

Descriptions By: RO

Well/Boring ID: **ASB-192**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.0				
-10	4					
-11		0.0				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-192_0-2 (20110912), ASB-192_4-6 (20110912), ASB-192_8-10 (20110912).
Samples analyzed for Lead, TCLP Lead. Baseline PID reading of 0.7 ppm.
End of Boring – 12 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973240.03
Easting: 484381.71
Focus Area: 11

Drilled Depth (ft): 2
Surface Elevation (ft): 715.27

Descriptions By: RO

Well/Boring ID: **ASB-193**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				CONCRETE		(0.0 - 0.7) CONCRETE
-1	1	0.1		CL		(0.7 - 2.0) SANDY LEAN CLAY, fine to coarse sand, moist, brown
-2						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-193_1-3 (20110912).
Sample analyzed for VOCs, SVOCs, RCRA Metals, Cyanide. Baseline PID reading of 0.7 ppm.
Refusal at 2 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973212.52
Easting: 484390.89
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 732.52

Descriptions By: RO

Well/Boring ID: **ASB-194**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ASPHALT		(0.0 - 0.5) ASPHALT
				SC		(0.5 - 1.5) CLAYEY SAND, moist, yellowish brown (10YR 5/6)
-1		0.4				
				CL		(1.5 - 4.0) SANDY LEAN CLAY, fine to coarse, minor organics and roots, greenish black (GLEY2 2.5/10BG) and greenish gray (GLEY2 5/10BG) mottling, organic odor
-2	3					
-3		0.0				
-4				SHALE		(4.0 - 5.0) SHALE, weathered and some clay, greenish gray (GLEY2 5/10BG)
-5		0.0		OL/OH		(5.0 - 5.8) SANDY ORGANIC SOIL, peat, fine sand, slightly moist, greenish black (GLEY2 2.5/10BG)
				SHALE		(5.8 - 7.0) SHALE, weathered and some clay, greenish gray (GLEY2 5/10BG)
-6	4					
-7		0.0		CL		(7.0 - 12.5) SANDY LEAN CLAY, fine to medium, moist, dark yellowish brown (10YR 3/6) mottled with darker brown, slight diesel odor and transition to darker brown and black (10YR 2/1) at 8 ft; small pieces of asphalt at 9 ft; wet lens at 12.3 to 12.5 ft
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-194_10-12 (20110912), ASB-194_13-15 (20110912).
Samples analyzed for VOCs, SVOCs, RCRA Metals, Cyanide. Baseline PID reading of 0.7 ppm.
Refusal (Concrete) at 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973212.52
Easting: 484390.89
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 732.52

Descriptions By: RO

Well/Boring ID: **ASB-194**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.3				
-10	4					
-11		3.1				
-12						
				LIMESTONE		(12.5 - 13.0) LIMESTONE, partially weathered, moist, clay matrix greenish gray (GLEY2 6/5BG)
-13				CL		(13.0 - 13.5) SANDY LEAN CLAY WITH GRAVEL, moist, dark yellowish brown (10YR 3/4)
	3			SANDSTONE		(13.5 - 14.2) SANDSTONE, dry, pale red (10R 6/4)
-14		0.1				
				CL		(14.2 - 15.0) SANDY LEAN CLAY WITH GRAVEL, round, moist, yellowish brown (10YR 5/8)
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-194_10-12 (20110912), ASB-194_13-15 (20110912).
Samples analyzed for VOCs, SVOCs, RCRA Metals, Cyanide. Baseline PID reading of 0.7 ppm.
Refusal (Concrete) at 15 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973198.61
Easting: 484380.55
Focus Area: 11

Drilled Depth (ft): 10
Surface Elevation (ft): 732.82

Descriptions By: RO

Well/Boring ID: **ASB-195**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SC		(0.0 - 1.0) CLAYEY SAND WITH GRAVEL, angular, moist, yellowish brown (10YR 5/6)
-1		0.0		CL		(1.0 - 3.0) SANDY LEAN CLAY WITH GRAVEL, limestone pieces, moist, greenish black (GLEY1 2.5/5GY)
-2	3.5					
-3		0.1		CL		(3.0 - 3.5) SANDY LEAN CLAY, organic, moist, bluish black (GLEY2 2.5/10B)
-4				CL		(3.5 - 7.2) LEAN CLAY, organics and small roots, moist, greenish gray (GLEY2 5/10BG) with tan mottling, increase mottling with depth
-5		0.0				
-6	4					
-7		3.4				
				SP		(7.2 - 7.8) POORLY GRADED SAND WITH GRAVEL, greenish black (GLEY2 2.5/10G), slight petrol odor
-8				SC		(7.8 - 8.0) CLAYEY SAND, fine to coarse, some gravel, dry, interbedded layers of bluish black (GLEY2 2.5/5PB) and very dark brown (10YR 2/2)

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-195_6-8 (20110912), ASB-195_8-10 (20110912).
Samples analyzed for VOCs, SVOCs, RCRA Metals, Cyanide. Baseline PID reading of 0.7 ppm.
Refusal at 10 ft.

Date Start/Finish: 9/12/2011 / 9/12/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973198.61
Easting: 484380.55
Focus Area: 11

Drilled Depth (ft): 10
Surface Elevation (ft): 732.82

Descriptions By: RO

Well/Boring ID: **ASB-195**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SP		(8.0 - 10.0) POORLY GRADED SAND WITH GRAVEL, angular, trace clay, very dark bluish gray (GLEY2 3/5PB)
-9	2	0.5				
-10						

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-195_6-8 (20110912), ASB-195_8-10 (20110912).
Samples analyzed for VOCs, SVOCs, RCRA Metals, Cyanide. Baseline PID reading of 0.7 ppm.
Refusal at 10 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973189.07
Easting: 484299.96
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 724.51

Descriptions By: KH

Well/Boring ID: **ASB-196**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.3) POORLY GRADED SAND, very fine to medium, some silt, little coarse to granules, trace small to large pebbles, subangular to subround, very loose, dry, very dark grayish brown (2.5Y 3/2)
-1						
				SP		(1.3 - 2.4) POORLY GRADED SAND, fine to medium, mostly medium, little granules to small pebbles, very loose, slightly moist, light yellowish brown (2.5Y 6/4)
-2	38					
		0.1		CL		(2.4 - 4.0) CLAY, trace organics, reworked fill
-3						
-4				SP		(4.0 - 4.9) POORLY GRADED SAND, very fine to medium, some silt, little coarse to granules, trace small to large pebbles, subangular to subround, very loose, dry, very dark grayish brown (2.5Y 3/2)
				SP		(4.9 - 5.1) POORLY GRADED SAND, fine to medium, mostly medium, little granules to small pebbles, very loose, slightly moist, light yellowish brown (2.5Y 6/4)
-5		0.1		CL		(5.1 - 6.2) LEAN CLAY, low plasticity, no dilatancy, some fine sand to granules, medium stiff to stiff, slightly moist, mottled greenish gray (GLEY1 5/10GY)
-6	48					
				SP		(6.2 - 7.6) POORLY GRADED SAND, fine to coarse, mostly medium to coarse, little very coarse sand to granules, trace silt, subangular to subround, broken glass and sandstone, loose, slightly moist
-7		0.1				
				CL		(7.6 - 8.0) LEAN CLAY, nonplastic to low plasticity, trace granules, subangular, medium stiff, slightly moist, greenish gray (GLEY1 6/5G), reworked
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-196_4-6 (20111104).
Sample analyzed for VOCs, SVOCs, GRO, DRO, TAL Metals.
End of Boring – 15 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973189.07
Easting: 484299.96
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 724.51

Descriptions By: KH

Well/Boring ID: **ASB-196**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8				SP		(8.0 - 8.7) POORLY GRADED SAND, very fine to medium, some silt, little coarse to granules, trace small to large pebbles, subangular to subround, very loose, dry, very dark grayish brown (2.5Y 3/2)
-9		0.1		ML		(8.7 - 10.6) SANDY SILT, low plasticity, no dilatancy, little clay, very fine to medium sand, moist, mottled dark yellowish brown (10YR 3/4)
-10	48					
-11		0.1		SP		(10.6 - 11.6) POORLY GRADED SAND, fine to medium, little granules, trace silt and small to medium pebbles, subangular to subround, loose, moist
				CL		(11.6 - 12.0) LEAN CLAY, nonplastic to low plasticity, no dilatancy, little fine sand, trace medium sand, stiff, moist, dark greenish gray (GLEY1 4/10GY), reworked
-12				SP		(12.0 - 13.7) POORLY GRADED SAND, very fine to medium, some silt, little coarse to granules, trace small to large pebbles, subangular to subround, very loose, dry, very dark grayish brown (2.5Y 3/2)
-13		0.2				
	36					
				CL		(13.7 - 14.0) LEAN CLAY, nonplastic to low plasticity, trace granules, subangular, medium stiff, slightly moist, greenish gray (GLEY1 6/5G), reworked
-14		0.1		SP		(14.0 - 15.0) POORLY GRADED SAND, medium, some fine, trace granules to small pebbles, round to subround, loose, moist
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-196_4-6 (20111104).
Sample analyzed for VOCs, SVOCs, GRO, DRO, TAL Metals.
End of Boring – 15 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973217.11
Easting: 484300.58
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 721.46

Descriptions By: KH

Well/Boring ID: **ASB-197**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.6) POORLY GRADED SAND, fine to coarse, mostly medium, little very coarse to granules, trace small to large pebbles, subround to angular, very loose, dry, pale yellow (2.5Y 7/4)
-1						
-2	38			CL		(1.6 - 4.6) LEAN CLAY, nonplastic, no dilatancy, medium stiff, slightly moist to dry, crumbly, dark greenish gray (GLEY1 4/10GY), reworked
		0.1				
-3						
-4						
-5		0.1		CL		(4.6 - 6.1) LEAN CLAY, nonplastic, no dilatancy, trace organics, medium stiff, slightly moist to dry, crumbly, dark greenish gray (GLEY1 4/5GY), reworked
-6	46			ML		(6.1 - 6.9) SILT, nonplastic to low plasticity, no dilatancy, some very fine to medium sand, little clay, trace organics, subangular to subround, dry, crumbly, weathering, black
-7		0.1		SP		(6.9 - 8.8) POORLY GRADED SAND, fine to very coarse, mostly medium to coarse, trace granules to medium pebbles, subangular to round, loose, dry to moist, broken glass at 8 ft
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-197_4-6 (20111104).
Sample analyzed for VOCs, SVOCs, GRO, DRO, TAL Metals.
End of Boring – 15 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973217.11
Easting: 484300.58
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 721.46

Descriptions By: KH

Well/Boring ID: **ASB-197**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.1		CL		(8.8 - 10.8) LEAN CLAY, low plasticity, no dilatancy, medium stiff to stiff, moist, mottled, reworked, rust colorations
-10	44					
-11		0.1		LIMESTONE		(10.8 - 11.1) LIMESTONE
				SP		(11.1 - 12.0) POORLY GRADED SAND, fine to coarse, mostly coarse, subangular to subround, loose, moist, broken rock
-12				SP		(12.0 - 13.0) POORLY GRADED SAND, very fine to coarse, mostly fine, little very coarse, trace silt, round to subround, loose, dry, broken rock
-13	36	0.1		CL		(13.0 - 14.2) LEAN CLAY, nonplastic, no dilatancy, mixed with sandy silt, trace small to medium pebbles and organics, medium stiff, mottled, rust colorations, reworked
-14		0.1		ML		(14.2 - 14.5) SANDY SILT, nonplastic, no dilatancy, very fine to coarse, little very coarse, subangular to round, black
				ML		(14.5 - 14.7) SANDY SILT, nonplastic, no dilatancy, very fine to fine sand, trace clay, dark brown (10YR 3/3)
-15				CL		(14.7 - 15.0) LEAN CLAY, nonplastic, no dilatancy, mixed with sandy silt, trace small to medium pebbles and organics, medium stiff, mottled, rust colorations, reworked

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-197_4-6 (20111104).
Sample analyzed for VOCs, SVOCs, GRO, DRO, TAL Metals.
End of Boring – 15 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973214.13
Easting: 484369.40
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 720.26

Descriptions By: KH

Well/Boring ID: **ASB-198**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				ML		(0.0 - 4.7) SANDY SILT, nonplastic, no dilatancy, very fine to medium, little coarse, trace very coarse to medium pebbles and organics, soft, dry, dark yellowish brown (10YR 4/4)
-1						
-2	23	0.1				
-3						
-4						
-5		0.5		ML		(4.7 - 9.2) SANDY SILT, nonplastic, no dilatancy, very fine to fine, little medium, trace coarse to medium pebbles and clay, organics, soft to medium stiff, moist, dark gray (2.5Y 3/1)
-6	43					
-7		0.9				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-198_6-8 (20111104).
Sample analyzed for VOCs, SVOCs, GRO, DRO, TAL Metals.
End of Boring – 15 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973214.13
Easting: 484369.40
Focus Area: 11

Drilled Depth (ft): 15
Surface Elevation (ft): 720.26

Descriptions By: KH

Well/Boring ID: **ASB-198**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.4				
				CL		(9.2 - 10.4) LEAN CLAY, nonplastic, no dilatancy, little fine to coarse sand, trace very coarse sand to small pebbles and organics, subround to angular, medium stiff to stiff, slightly moist, reworked
-10	39					
				ML		(10.4 - 10.8) SANDY SILT, nonplastic, no dilatancy, very fine to medium , mostly fine, trace clay, medium stiff to stiff
-11		0.3		CL		(10.8 - 11.2) LEAN CLAY, nonplastic, no dilatancy, little fine to coarse sand, trace very coarse sand to small pebbles and organics, subround to angular, medium stiff to stiff, slightly moist, reworked
				ML		(11.2 - 13.7) SANDY SILT, nonplastic to low plasticity, no dilatancy, very fine to medium, round to subround, little coarse to granules and clay, subround to angular, stiff to hard, slightly moist, black
-12						
		0.6				
-13						
	38					
-14		0.1		SM		(13.7 - 14.5) SILTY SAND, very fine to medium, some coarse to granules, trace small pebbles, round to angular, medium dense, slightly moist, dark yellowish brown (10YR 4/6)
				SP		(14.5 - 15.0) POORLY GRADED SAND, fine to very coarse, mostly medium, little very coarse to granules, round to subangular, loose, slightly moist, yellowish brown (10YR 5/4)
-15						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected sample ASB-198_6-8 (20111104).
Sample analyzed for VOCs, SVOCs, GRO, DRO, TAL Metals.
End of Boring – 15 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973611.48
Easting: 484324.46
Focus Area: 9

Drilled Depth (ft): 7
Surface Elevation (ft): 807.11

Descriptions By: KH

Well/Boring ID: **ASB-199**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0	37	0.2		ML		(0.0 - 2.3) SANDY SILT, very fine to fine, trace medium to coarse, soft, slightly moist, black
-1						
-2		0.1		SM		(2.3 - 2.9) SILTY SAND, fine to coarse, mostly fine to medium, subangular to subround, loose, slightly moist, dark yellowish brown (10YR 3/4)
-3				SP		(2.9 - 5.1) POORLY GRADED SAND, fine to granules, mostly coarse to very coarse, trace small pebbles and silt, round to subangular, loose, dry to slightly moist
-4	18	0.1				
-5				SM		(5.1 - 6.5) SILTY SAND, very fine to coarse, mostly coarse, round to subangular, loose, wet
-6				CL		(6.5 - 7.0) LEAN CLAY, low plasticity, no dilatancy, some very fine to fine sand, little medium, trace silt, soft, moist, mottled
-7						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-199_0-2 (20111104), ASB-199_2-4 (20111104).
Samples analyzed for VOCs, GRO, DRO, PAHs, Lead.
Bedrock Refusal at 7 ft.

Date Start/Finish: 11/4/2011 / 11/4/2011
Drilling Company: Stevens Drilling & Environmental
Driller's Name: Dan Hunter
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: 4973576.85
Easting: 484335.01
Focus Area: 9

Drilled Depth (ft): 8
Surface Elevation (ft): 807.12

Descriptions By: KH

Well/Boring ID: **ASB-200**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 2.4) POORLY GRADED SAND, fine to very coarse, mostly medium to coarse, little granules, trace small pebbles, round to subangular, very loose, moist
-1		0.1				
-2	25					
				CL		(2.4 - 4.5) LEAN CLAY, low plasticity, no dilatancy, some very fine to fine sand, trace silt and granules to medium pebbles, round to subround, soft to medium stiff, moist, light olive brown (2.5Y 5/3)
-3		0.0				
-4						
				CL		(4.5 - 6.5) SANDY LEAN CLAY, low plasticity, no dilatancy, very fine to fine sand, trace silt and granules to medium pebbles, round to subround, very soft, very moist, light olive brown (2.5Y 5/3) with gray/white discolorations
-5		0.0				
-6	48					
				SP		(6.5 - 7.6) POORLY GRADED SAND, medium to very coarse, mostly coarse, little silt to fine sand, round to subround, loose to medium dense, wet
-7		0.0				
				CL		(7.6 - 8.0) SANDY LEAN CLAY, medium plasticity, no dilatancy, very fine to coarse sand, mostly fine to medium, trace silt, medium stiff, moist
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available
Coordinates given in UTM Zone 15N, elevation given in NGVD 29.
Collected samples ASB-200_0-2 (20111104), ASB-200_4-6 (20111104).
Samples analyzed for VOCs, GRO, DRO, PAHs, Lead.
Bedrock Refusal (Limestone) at 8 ft.

Date Start/Finish: 10/29/2012 / 10/29/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 4

Drilled Depth (ft): 8
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-254**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				OH		(0.0 - 0.7) SILTY LOAM, some roots and organic matter, trace large pebbles, slightly moist, black (5YR 2.5/1)
-1		54.0/4.0		SM		(0.7 - 1.5) SILTY SAND, some large pebbles, trace roots and organic matter, slightly moist, black (5YR 2.5/1)
				SM		(1.5 - 1.8) SILTY SAND, some granules, well sorted, black (5YR 2.5/1)
-2	35			CL		(1.8 - 3.4) LEAN CLAY, medium plasticity, some silt, little fine sand, medium stiff, very dark grayish brown (10YR 3/2)
-3		1.6/1.2				
				SP		(3.4 - 5.3) POORLY GRADED SAND, fine, little silt, well sorted, slightly moist, olive brown (2.5YR 4/3), trace granules from 4 ft
-4						
-5		2.2				
				CL		(5.3 - 8.0) LEAN CLAY, low plasticity, medium stiff, dry, light olive brown (2.5YR 5/4)
-6	48					
-7		1.6/1.9				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-254_0-2 (20121029), ASB-254_4-5 (20121029)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (0-2), and RCRA metals.
Bedrock Refusal at 8 ft.

Date Start/Finish: 10/29/2012 / 10/29/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 4

Drilled Depth (ft): 8.5
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-255**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				OH		(0.0 - 1.1) LOAM, some granules, little fine sand, trace organic roots/matter, dry, dark brown (7.5YR 3/2)
-1		4.7/1.8		SP		(1.1 - 3.0) POORLY GRADED SAND, coarse, some fine to medium, well sorted, moist, very dark brown (10YR 2/2)
-2	40					
-3		0.9/0.9		SP		(3.0 - 3.4) POORLY GRADED SAND, medium, trace clay, well sorted, brown (7.5YR 4/3)
				CH		(3.4 - 4.4) FAT CLAY, high plasticity, trace medium sand, medium stiff, light olive brown (2.5YR 5/4)
-4						
				CH		(4.4 - 8.0) FAT CLAY, high plasticity, trace fine to medium sand, medium stiff, moist to dry at 5.4 ft, light yellowish brown (2.5Y 6/3) to pale olive (5Y 6/3) at 5.4 ft
-5		0.7				
-6	47					
-7		0.9				
-8						
		2.5		CL		(8.0 - 8.5) LEAN CLAY, hard, dry, greenish gray (GLEY1 5/5GY)

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-255_0-2 (20121029), ASB-255_8-8.5 (20121029)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (0-2), and RCRA metals.
End of Boring – 8.5 ft.

Date Start/Finish: 10/29/2012 / 10/29/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 9

Drilled Depth (ft): 11.5
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-256**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 1.5) FILL: medium to large pebbles
-1		--/0.7				
				SP		(1.5 - 2.1) POORLY GRADED SAND, coarse, trace granules, well sorted, moist
-2	32					
				CL		(2.1 - 4.8) LEAN CLAY, low plasticity, soft, black (5Y 2.5/1)
-3		0.7				
-4						
				SP		(4.8 - 6.4) POORLY GRADED SAND, very fine to fine, well sorted, moist, black (5Y 2.5/1)
-5		0.7				
-6	48					
				SP		(6.4 - 8.3) POORLY GRADED SAND, medium, well sorted, very moist, yellowish brown (10YR 5/4)
-7		0.4				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-256_3-4 (20121029), ASB-256_9-10 (20121029)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (3-4), and RCRA metals.
Bedrock Refusal (Shale) at 11.5 ft.

Date Start/Finish: 10/29/2012 / 10/29/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 9

Drilled Depth (ft): 11.5
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-256**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				SP		(8.3 - 10.3) POORLY GRADED SAND, very fine to fine, well sorted, moist, black (5Y 2.5/1)
-9		0.8/1.8				
	42					
-10						
		1.2		CL		(10.3 - 11.5) LEAN CLAY, hard, greenish gray (GLEY1 5/5GY)
-11						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-256_3-4 (20121029), ASB-256_9-10 (20121029)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (3-4), and RCRA metals.
Bedrock Refusal (Shale) at 11.5 ft.

Date Start/Finish: 10/29/2012 / 10/29/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 9

Drilled Depth (ft): 8.5
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-257**

Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 1.5) Ballast Rock
-1						
-2				ML		(1.5 - 3.5) SANDY SILT, low plasticity, very fine sand, very dark brown (7.5YR 2.5/3), trace granules, moist, and very dark grayish brown (2.5Y 3/2) from 3 to 3.5 ft
-3		0.8/0.7				
-4				ML		(3.5 - 5.0) SANDY SILT, no plasticity, medium to coarse sand, little granules, moist, dark grayish brown (2.5Y 4/2), trace medium to large pebbles from 3.75 to 4 ft
-5		--/0.4		CL		(5.0 - 7.0) SANDY LEAN CLAY, very fine to medium sand, trace small pebbles, dark grayish brown (2.5Y 4/2)
-6	48					
-7		0.6		CL		(7.0 - 8.5) LEAN CLAY, medium plasticity, very hard, moist, greenish gray (GLEY1 5/5GY) with lenses of olive (5Y 5/6), saturated at 8 ft
-8	28					

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-257_1.5-2 (20121029), ASB-257_6-8 (20121029)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (1.5-2), and RCRA metals.
End of Boring – 8.5 ft.

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-258**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SP		(0.0 - 1.0) POORLY GRADED SAND WITH CLAY, coarse, some granules to small pebbles, well sorted, moist, black (10YR 2/1)
-1		0.0/0.0		CL		(1.0 - 4.1) LEAN CLAY, low plasticity, silty, trace granules, soft, moist at 4 ft, olive (5Y 5/3) with interbeds of black (5Y 2.5/1)
-2	33					
-3		0.0/0.0				
-4				CL		(4.1 - 6.5) LEAN CLAY, low plasticity, some medium sand, trace granules, greenish gray (GLEY1 5/10GY)
-5		0.0				
-6	30			ML		(6.5 - 9.1) CLAYEY SILT, no plasticity, very soft, black (5Y 2.5/1) to olive gray (5Y 4/2)
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-258_1-3 (20121030), ASB-258_6-7 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (1-3), and RCRA metals.
End of Boring – 12 ft.

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-258**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.0/0.0				
				CL		(9.1 - 9.9) LEAN CLAY, medium plasticity, trace coarse sand, hard, moist, light olive brown (2.5Y 5/3)
-10	46			CL		(9.9 - 10.6) SANDY LEAN CLAY, coarse sand, some granules, trace small pebbles, light olive brown (2.5Y 5/6)
				CL		(10.6 - 12.0) LEAN CLAY, medium plasticity, hard, olive (5Y 5/3) transition to greenish gray (GLEY1 5/10GY)
-11		0.0/0.0				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-258_1-3 (20121030), ASB-258_6-7 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (1-3), and RCRA metals.
End of Boring – 12 ft.

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-259**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				SM		(0.0 - 1.3) SILTY SAND, fine, some granules, trace organic matter, dry, dark olive brown (2.5Y 3/3)
-1		0.0/0.0				
				SP		(1.3 - 2.0) POORLY GRADED SAND WITH CLAY, coarse, trace granules, well sorted, very moist, strong brown (7.5YR 5/6)
-2	32			CH		(2.0 - 2.9) FAT CLAY, high plasticity, medium stiff, black (10YR 2/1)
-3		0.0/0.0		CL		(2.9 - 4.5) LEAN CLAY, low plasticity, trace medium sand, olive (5Y 5/4)
-4						
				CL		(4.5 - 6.9) LEAN CLAY, medium plasticity, hard, dry, greenish gray (GLEY1 5/5G)
-5		0.0/0.0				
-6	40					
-7		0.0		CL		(6.9 - 8.6) LEAN CLAY, low plasticity, very soft, moist, black (5Y 2.5/2)
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-259_1-2 (20121030), ASB-259_4-6 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (4-6), and RCRA metals.
Bedrock Refusal (Shale) at 12 ft.

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-259**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
				CL		(8.6 - 12.0) LEAN CLAY, medium to high plasticity, hard, wet, interbedded olive (5Y 5/4) and greenish gray (GLEY1 5/10GY)
-9						
-10	47					
		0.0				
-11						
-12						

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-259_1-2 (20121030), ASB-259_4-6 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (4-6), and RCRA metals.
Bedrock Refusal (Shale) at 12 ft.

ARCADIS
Infrastructure · Water · Environment · Buildings

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-260**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 1.1) Ballast Rock
-1		0.0/0.0		CL		(1.1 - 3.1) LEAN CLAY, no plasticity, high dilatancy, soft, moist, yellowish brown (10YR 5/8)
-2	34					
-3		0.0		ML		(3.1 - 5.1) CLAYEY SILT, no plasticity, medium dilatancy, trace coarse sand, moist, black (5Y 2.5/1)
-4						
-5		0.0		SP		(5.1 - 5.9) POORLY GRADED SAND WITH CLAY, medium, trace granules, well sorted, moist, dark olive brown (2.5Y 3/3)
-6	34			CL		(5.9 - 9.3) LEAN CLAY, no plasticity, soft, black (5Y 2.5/1)
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-260_1-2 (20121030), ASB-260_7-8 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (1-2), and RCRA metals.
End of Boring – 12 ft.

Date Start/Finish: 10/30/2012 / 10/30/2012 **Drilling Company:** Stevens Drilling & Environmental **Driller's Name:** John Tokkesdal **Drilling Method:** Geoprobe **Sampling Method:** Macrocore	**Northing:** NA **Easting:** NA **Focus Area:** 7 **Drilled Depth (ft):** 12 **Surface Elevation (ft):** NA **Descriptions By:** PB	**Well/Boring ID:** **ASB-260** **Client:** Ford Motor Company **Location:** Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.0				
				CL		(9.3 - 12.0) LEAN CLAY, medium plasticity, hard, greenish gray (GLEY1 5/5G) with lenses of olive yellow (5Y 6/6)
-10	45					
-11		0.0				
-12						

Remarks:

ft: feet

NA: Not applicable/not available

Collected samples ASB-260_1-2 (20121030), ASB-260_7-8 (20121030)

Samples analyzed for VOCs, SVOCs, DRO, PCBs (1-2), and RCRA metals.

End of Boring – 12 ft.

ARCADIS
Infrastructure · Water · Environment · Buildings

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-261**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
0				FILL		(0.0 - 0.7) Ballast Rock
-1		0.0		CL		(0.7 - 4.8) LEAN CLAY, medium plasticity, some coarse sand, trace granules, hard, olive (5Y 5/4)
-2	30					
-3		0.0				
-4						
-5		0.0/0.0		CL		(4.8 - 5.4) LEAN CLAY, no plasticity, some silt to fine sand, very soft, black (5Y 2.5/1)
-6	36			CL		(5.4 - 9.6) LEAN CLAY, medium plasticity, some granules, medium stiff, dry, dark greenish gray (GLEY1 4/10Y)
-7		0.0				
-8						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-261_0.5-2 (20121030), ASB-261_9-11 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (0.5-2), and RCRA metals.
Bedrock Refusal (Shale) at 12 ft.

Date Start/Finish: 10/30/2012 / 10/30/2012
Drilling Company: Stevens Drilling & Environmental
Driller's Name: John Tokkesdal
Drilling Method: Geoprobe
Sampling Method: Macrocore

Northing: NA
Easting: NA
Focus Area: 7

Drilled Depth (ft): 12
Surface Elevation (ft): NA

Descriptions By: PB

Well/Boring ID: **ASB-261**
Client: Ford Motor Company

Location: Saint Paul, MN

DEPTH (feet)	Recovery (inches)	PID (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description
-8						
-9		0.0				
				CL		(9.6 - 12.0) LEAN CLAY, no plasticity, some silt, very soft, moist, black (5Y 2.5/1)
-10	32					
-11		0.0				
-12						

ARCADIS
Infrastructure · Water · Environment · Buildings

Remarks:
ft: feet
NA: Not applicable/not available

Collected samples ASB-261_0.5-2 (20121030), ASB-261_9-11 (20121030)
Samples analyzed for VOCs, SVOCs, DRO, PCBs (0.5-2), and RCRA metals.
Bedrock Refusal (Shale) at 12 ft.

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-115
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/22/11
Prepared by	KAH
Start Time and Date	1130 8/22/11
Finish Time and Date	8/22/11 1340
PID or FID with Lamp Size	
Calibration Gas/Time/Results	—

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Don Hunter
Drilling Method	~~macrocore~~ geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 42'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-1	12			0-12 Sand/Gravel, very sandy
		1-2			17.2	
			—			
					28.9	
					36.3	
1212		5-8	27			0-10 CLAY little med-coarse sand tr silt med ~~plasticity~~ v.soft-soft
					26.7	odor mottled green/blue/gray, moist → broken rock
						12-16 SILT some v.f-fine sand, black, moist
					524.1	16-27 SAND silty f-coarse, mostly med cobble-size little v. coarse-granule, tr med pebble
						strong odor, wet, black, poor sort
						v. mottled green/gray/black
1220		8-12	48			5-3½ SAND f-granule, mostly coarse, odor, poor sort, loose, little silty
					327.2	sub-sub
						3½-8 SILT mottled green/gray/brown hard-v. hard odor
						8-16 broken up rock, sand v.f-coarse, and gravel tr. silt
		—	—		98.2	16-48 SILT v. soft-v. hard (Till) GLEY 1 4/10GY dk greenish gray

Refusal @ 12' → shale

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-116
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/22/11
Prepared by	KAH
Start Time and Date	8/22/11 1545
Finish Time and Date	8/22/11 1634
PID or FID with Lamp Size	
Calibration Gas/Time/Results	—

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	9'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 9'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) in	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1634		0-2	22		3.0	0-4 SILT dry, w/sand (vf-~~med~~)
					2.8	4-7.5 pounded rock
						7.5-22 SILT and SAND vf-med tr. ~~coarse~~-granules subr.-suba slightly damp tr. clay, nonplastic, no dilatency med stiff
1550		4.5-8	37		54.8	0-~~10~~ SILT AND SAND (vf-~~fine~~, mostly fine) subr dry-moist, little coarse- small pebble pounded rock @ 12.5" small-lg pebbles subr mottled yellow/gray brown
						19-24 SILT mottled nonplastic no dilatency slightly damp stiff-v. stiff tr organics
					1.8	24-30 SILTY little sand fine-med-coarse, subr (dry) tr. granule-small pebble crumbly, nonplastic, no dilatency GLEY 1 5/10GY 2.5Y 5/6 lt olive brown
						30-37 SILT mottled, non plastic no dilatency, slightly damp, stiff tr organics
1615		8-9	26		2.0	0-9 SILT with sand (vf-~~fine~~) mostly fine subr wet lose
						9-26 SILT mottled, non plastic, no dilatency, v. stiff dry crumbly 5Y 5/3
						9' refusal - shale

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-117
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/23/11
Prepared by	KAH
Start Time and Date	8/23/11 0900
Finish Time and Date	8/23/11 1020
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1014		0-4	36		2.7	0-1;	SAND	m-d-v. coarse; little granule-small pebble		poor sort, sub-rnd		
						5.5-7	SILT	little f-med sand		silt, mod plastic	no dilatancy	tr clay
					3.6	11-29	SILT	little f-med. sand		tr clay	mottled (rewerked)	tr v. coarse-small pebble
								stiff				
					2.4	29-36	SILT	mod stiff-stiff		slack, no-little plasticity	tr clay	little v.f sand
						no dilatancy tr organics						
0912		5-8	46		1.4	0-22	SAND	f-v. coarse, mostly med-coarse, sub-rnd				little granule, tr small pebble
						wet, poor sort, loose						
						6-9, 17-20	~~SAND AND SILT~~	SANDY SILT		vf-med grained, wet, v. soft		
					1.9	22-39	SAND	vf-fine		little silt, wet, med dense, round, well sort		mottled
						GLEY 1 5/5GY		5Y 5/2		GLEY 1 5/5GY		
						31-46,	SAND	v.f-v. coarse		mostly med-coarse	little granule-med pebble	
						poor sort, wet, sub-rnd				tr med pebbles, sub-a		
0835		5-12				Recovery - Lost macro to extract macrocore from casing.						
						shale @ bottom of tubing		GLEY 1 4/10GY				

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-118
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	
Prepared by	KAH
Start Time and Date	8/23/11 1045
Finish Time and Date	8/23/11 1350
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	13'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 13'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1330		0-4	31			0-4 sloughed
					0.0	4-12 SANDY SILT (vf-med) dry no plasticity/dilatency med stiff black
						12-25
					0.0	25-31 SILT little sand (vf-med) no plasticity/dilatency med, black moist
1130		5-8	36			0-4 sloughed
					0.1	4-12 SANDY SILT (v.f-fine, round) tr medium v soft moist no dilatency, little - no plasticity black
					0.0	12-31 SANDY SILT (vf-med) little coarse-granule, mottled, slightly damp no dilatency, no plasticity tr clay (in lenses) med-high plasticity
					3.7	31-38 SILT little sand, organics wet, no plasticity soft little dilatency black wet
1148		8-12	48			0-15 raa wet
					11.4	15-25 SAND med-v. coarse, mostly coarse tr granule-med pebble petrol odor, black, mica sheets (2mm)
					0.1	25-48 SHALE, mottled tr organics clay low plasticity
						30-32 coarse sand seam @ ~45° angle little silt
1205		12-13	9			0-9 raa SHALE clay, little silt, sand (vf-coarse) moist, stiff-v stiff low plasticity tr organics GLEY 1 5/5G 5Y 6/6 5Y 5/4

13' refusal (bedrock)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-119
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/23/11
Prepared by	KAH
Start Time and Date	8/23/11 1450
Finish Time and Date	8/23/11 1700
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1625		0-4	39"			0-30.5 SAND
					0.0	0-16 f-md mostly md little silt coarse-granule to small pebble
						pebbles rock between 11-12' poor sort, dry subr-subc
						16-30.5 med, tr coarse-granule well sort subr, slightly damp
					0.0	30.5-39 SILT some sand (vf-med, subr-subc) little clay mottled
						dry, crumbly v. stiff-hard
1555		5-8	46			0-6 sleugh
					0.0	6-27.5 silt some sand vf-f, rare pebble, no dilatency
						little clay black moist
						27.5-40 SILT, vf sand little clay v. soft med plastic
						no dilatency w/sand moist 5Y 5/2
						@ 37" increased sand content SANDY SILT fine
					0.0	40-46 SHALE mottled Clay med plastic v. stiff-hard
						no dilatency, moist tr silt
1610		8-12	43		0.0	0-20 sea
						20-36 CLAY little silt dry low plastic crumbly
						36-43 SHALE hard dry GLEY 1 4/10GY

ARCADIS

Unconsolidated Boring Log

Boring/Well	MW-120
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/24/11
Prepared by	KAH
Start Time and Date	8/24/11 0900
Finish Time and Date	08/24/11 ~~0900~~ 0950
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11.5'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device Dimensions	macrocore 2" x 10.5'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0945		0-4	11			0-2 Pounded pack						
						2-8 SAND med ~~fine~~ coarse - v. coarse - granule subr-subr loose dry poor sort						
						8-11 CLAYEY SILT some sand f-med, dry crumbly med stiff						
							GLEY 1 5/5GY					
838		5-8	42		0.3	0-32 SILT little clay/sand (vf-fine) dry-slightly damp (27") crumbly low plasticity v. soft-soft color change @ 26.5"						black
					0.1	32-~~42~~ SANDY SILT (fine subr) slightly dilatent low plasticity moist little med-v coarse, tr granule soft-med stiff				5Y 4/2		
						35-37 SAND little silt, f-coarse subr-subr dense moist						
0852		8-11.5	45		0.2	0-13 ~~SANDY little silt~~ wet SILTY SAND vf-med. mostly fine little coarse subr-subr loose wet						
						13-45 CLAY little silt weathered shale mottled v. stiff-hard manipulable moist→dry pounded rock @ 30" v. hard @ 40"				5Y 4/4		
						11.5 EOB refusal due to bedrock						GLEY 1 5/10GY

ARCADIS

Unconsolidated Boring Log

Boring/Well	BSB-121
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/24/11
Prepared by	KAH
Start Time and Date	8/24/11 1117
Finish Time and Date	8/24/11 1240
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1148 ~~[illegible]~~		0-4	~~3~~8			0-8 Gravel						
1225		0-4	36			0-7 Gravel						
						7-~~[illegible]~~ CLAY mottled stiff low plasticity, no dilatancy						GLEY 1 4/5G 5Y 4/4
						~~[illegible]~~ tr silt reworked						GLEY 2 3/10B (Little)
					794	23-36 SANDY SILT moist-dry soft-med dense						
						f-med grained sub-sub little coarse-med pebble poor sort						
1122		5-8	34			0-3 Slough						
					775.6	3-28 SANDY CLAYEY SILT tr organics, vf-med sub-rnd						
						moist, black tr coarse-small pebbles strong petrol odor						
						12-15" pounded rock, 24" pounded rock						
					657.4	28-34 SANDY SILT little clay vf-med subr stiff-v. stiff						
						nonplastic-little plastic mottled slightly moist						
1135		8-12	45		515.6	0-13.5 SANDY SILT vf-vc coarse subr-subr moist, soft petrol odor						little clay little-med plastic dilatant
						11-13 SAND seam med-coarse wet tr strong petrol odor black						
						13.5-25 SILT moist, tr organics, clay, silt pebble moist black						
					400.9	25-40 SANDY SILT vf-fine v. soft tr clay nonplastic wet organics petrol odor						GLEY 1 5/5GY
						40-45 SANDY SILT med subr soft-med dense wet petrol odor						
						tr organics, mottled GLEY 1 6/~~[illegible]~~ 5GY						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-122
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/24/11
Prepared by	KAH
Start Time and Date	8/24/11 1400
Finish Time and Date	8/24/11 1455
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
14												
1408		2-4	24			0-10 Rounded rock, gravel						
					133.7	10-24 CLAY v stiff non plastic no dilatancy mottled						
						~~SILT~~ Silt seam @ 22" (black organic)						
1410		4-8	43			0-7 rounded rock						
					149.2	7-23 CLAY mod stiff mottled low plasticity no dilatancy ~~mottled~~						
						7-11 SILT some sand vf-med tr coarse slightly damp silty						
					166.9	23-33 SILT some sand vf-fine tr med moist tr clay, very silty black						
						strong petrol odor						
					494.6	33-43 SAND little silt fine-coarse mostly med. wet, strong petrol						
						odor, subrnd tr v. coarse - small pebble						
1421		8-12	48			0-48 SAND fine rnd-subr well sorted med dense, wet						
					454.1	mostly med						
					271-8							

EOB Refusal @ 12'

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-123
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/24/11
Prepared by	KAH
Start Time and Date	8/24/11 1524
Finish Time and Date	8/24/11 1640
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	10.5'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 10.5'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1550		0-4	32			0-11 Fill						
						11-20 CLAY				mottled v. stiff low plasticity no dilatency tr organics tr sand fine-med		slightly moist
					180.3	20-25 SILT		tr clay/sand		organics	dry - slightly damp	med stiff black
					153.2	25-32 CLAY		mottled tr silt/v.f-fine sand		low plasticity	no dilatency	
						1g pebble @ 27"					slightly ~~moist~~ damp	
1525		5-8	46		1420	0-36 CLAY		mottled tr silt		highly plastic	moist, no dilatency	v. soft - stiff
						slight petrol odor					to dry	
					600.3	36-46 SILT		tr clay little sand		slight petrol odor		
						organics black		crumbly		dry - slightly damp		
						44-46 color change		damp		Some sand vf-fine round		
								v. soft		2.5 Y 3/1		
1538		8-10.5	22			0-12.5 SILT		tr clay		v. soft wet, tr organics, vf-fine sand		5Y 4/1
						v. slight odor						
					627.3	12.5-19 SILTY SAND		wet vf-fine - v coarse		subangular	wet, poor sort	
								mostly med		black color 12.5-15"		strong petrol odor
					676.3	19-22 SANDY SILT		dry		crumbly no plasticity/dilatency		
						1g pebble @ 19"						2.5Y 5/4
						Refusal @ 10.5' Limestone						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ADB-124
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/24/11
Prepared by	KAH
Start Time and Date	8/24/11 1655
Finish Time and Date	8/24/11 1930
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1800		~~0-5~~	37			0-7 Fill						
		1-5			0.4	7-24 CLAYEY SILT				med dense	black	slightly damp
						no plasticity/dilatency				little sand (vf-med sub-r)		
					0.0	24-37 SAND/GRAVEL		F-grained		little silt, small-med pebble		
						poor sort		slightly damp		sub-a - sub-r		
1705		5-8	46			0-4 SILTY SAND		med - v. coarse		tr small-med pebble	poor sort	dry sub-a - sub-r
					0.0	4-9 SAND		coarse		little v. coarse well sort	moist	sub-r loose
					0.0	9-17 CLAY		mottled		vs stiff - hard,	damp - dry	nonplastic/no dilatency
						17-19" small-med pebbles						
						GLEY 1 5/5G		2.5Y 5/6				
						GLEY 1 5/5GY @ base						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-125
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/25/11
Prepared by	KAH
Start Time and Date	8/25/11 818
Finish Time and Date	8/25/11 920
PID or FID with Lamp Size	/
Calibration Gas/Time/Results	100 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	/
Drop Height	/
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	/
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0850		1-5	33			0-9½ SAND vf-medium little silt, tr coarse-granule dry poor sort loose-med dense						tr small-med pebble
						9½-11 powdered rock						
					0.0	11-12½ SAND med-v. coarse mostly coarse subr-subr loose dry poor sort						tr. granules
						12½-15½ SILTY SAND (fill)						
					0.0	15½-19 SAND coarse-granule mostly coarse tr little-med pebble damp poor sort subrndr						
						19-33 CLAY tr silt dry no plasticity/dilatency hard, v. stiff tr sand						vf-fine rock @ 26'
0826		5-8	[redacted] 30			0-5 SILTY CLAY little sand vf-coarse sbr-subr, med plasticity v. soft wet → due to hydrovac						
					0.0	5-28 CLAY tr vf-fine sand, silt dry/crumbly no-little plasticity no dilatency med stiff-v stiff						
					0.0	28-36 SHALE hard dry (clay shale) GLEY 1 4/5G (dk greenish gray)						
						8' EOB refusal due to shale/bedrock						

BORLOG.XLS.xls
08/22/2011

ARCADIS

Unconsolidated Boring Log

Boring/Well	HSB-126
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/25/11
Prepared by	KAH
Start Time and Date	8/25/11 1040
Finish Time and Date	8/25/11 1145
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2' x 8'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1115		0-4	39			0-9 Fill (sand/Gravel angular, v.f sand - lg pebble)
					0.0	9-19½ Clayey SILT damp crumbles black no plasticity/dilatency med stiff little sand vf-fine round tr med-gravel
					0.0	19½-29 CLAY mottled damp tr sand/silt vf-med subr med stiff no-little plasticity, no dilatency
						29-34½ pond rock (lg-v. lg pebbles, subr) rock flour seams ~~gray~~ white/gray
1052		4-8	46		0.0	0-46 CLAY mottled damp no-little plasticity no dilatency med stiff - hard → to dry at base
					0.0	trace lg angular pebbles @ 24-28", 31-33", 44"
						31-36 → little small-lg pebbles angular
						tr organics/rock flour 9"-16"
						8' refusal due to shale/bedrock

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-127
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/25/11
Prepared by	KAH
Start Time and Date	8/25/11 1313
Finish Time and Date	8/25/11 1405
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Don Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2'x42'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1340		0-4	38			0-3 SAND little silt vf-med moist med little coarse & granule damp poor sort suba-subr loose
					5.0	3-25½ SILT little clay damp black med dense little plasticity/no dilatency tr organics
					1.2	25½-32 silty clay little sand (vf-med) damp mottled low plasticity no dilatency tr organics
						32-38 SANDY SILT med grained damp med dense
1313		5-8	34		0.3	0-34 CLAY silty tr sand vf-med mottled damp-dry no plasticity/dilatency
					0.0	coarse sand seams @ 7", 11", 20", 23", 29" soft-hard
						1g pebble, angular @ 29"
1325		8-12	37		0.0	0-6½ clayey sandy SILT wet v. soft v.f-coarse suba sand nonplastic
						6½-[illegible] silty SAND/GRAVEL v.f-granule little small pebble, tr med-lg pebble
					0.0	suba-subr wet poor sort dense
						15-19 silty CLAY mottled dry stiff-vstiff nonplastic/no dilatency

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-123
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/25/11
Prepared by	KAH
Start Time and Date	8/25/11 1420
Finish Time and Date	8/25/11 1730
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	10.5'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 10 1/2'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1425		2-4	25			0-8 silty SAND vf-coarse, mostly fine little granule-small pebble tr med pebbles-lg pebbles, wet (from hydro set)						
					0.0	8-20 silty CLAY no-low plasticity no dilatency stiff-v. stiff little sand vf-med mottled						
						12-13½ SILT black some sand vf-f stiff damp-dry						
						20-25 SILT some sand vf-fine round-subr damp loose-med stiff tr small-lg pebbles subr very crumbly						
1440		4-8	37½			0-8 SANDY SILT wet vf-fine little med-granule tr small-mid pebble vr soft						
					0.0	8-22 SAND AND SILT trace very black v. dense vf-med sand subr-round sl to up						
					0.0	22-34 CLAY little silt tr f-med sand low-med plasticity no dilatency med stiff med sand seam @ 30" tr small-lg pebbles						
						34-37½ SAND vf-med mostly med wet med dense tr silt well sort						
1450		8-10½	36		0.0	0-12 SAND v.f-med mostly fine little silt wet med dense well sort						
					0.0	12-36 clayey SILT mottled slightly dry and stiff-hard little sand vf-med round						

GLEY 5/5GY

rust color seams @ 27½, 29, 30, 32, 33½'

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-129
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/26/11
Prepared by	KAH
Start Time and Date	8/26/11 0750
Finish Time and Date	8/26/11 1000
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	/
Drop Height	/
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	/
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
0800		0-4	31			0-3½ silty sandy FILL little granule-med pebble
					0.1	3½-26 clayey SILT little vf-f-med round-sub c no plasticity/dilatency
						slightly damp med stiff-soft black
						27" med pebble subc
					0.1	27-31 SANDY SILT vf-med little v coarse-granule tr small-med pebble
						dry med stiff black
0803		4-8	40			0-3½ Slough
					0.0	3½-25 Silty SAND wet f-vc coarse, mostly med-coarse sub-sub 2.5 Y 4/3
						little granule-small pebbles, tr med pebbles poor sort
						20-24 sandy SILT vf-coarse sub-sub stiff moist
						25-27 rock
					0.0	27-40 ~~silty~~ clayey sandy ~~SILT~~ vf-coarse little v. coarse-small pebble
						tr med pebble mottled med stiff slightly moist 2.5 Y 4/3
						no-little plasticity no dilatency GLEY 1 6/5G
0838		8-12				* Stuck in core tube
					0.0	8-9 SAND fine-v. coarse mostly med sub-sub
						tr granule-small pebble poor sort wet
					0.0	10-11 sandy silt little clay med dense moist
						vf-v. coarse sub-sub tr granule-med pebble

11-12 SHALE hard weathered rust colors evident dry
GLEY 1 4/5G
12' refusal bedrock/shale

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-130
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/26/11
Prepared by	KAH
Start Time and Date	8/26/11 1050
Finish Time and Date	8/26/11 1140
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	
Sample Device	macrocore
Dimensions	2"x8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1254		0-4	28			0-3 Fill wet						
					0.0	3-7½ Silty SAND/GRAVEL v.f - coarse, mostly fine little granule-small pebbles tr med pebbles wet						
					0.0	7½-25 SILT little v.f sand, clay no-little plasticity no dilotency black moist organics						
						25-28 saa w/ lg pebbles						
1100		4-8	48			0-4 saa wet						
					0.2	4-18 SAND v.f-v. coarse, mostly med subr little granule trace small-med pebble, silt wet poor sort, dense broken lg pebbles @ 14-16"						
					0.0	18-48 clayey SILT mottled little v.f sand med stiff-hard GLEY1 5/10GY 10 YR 4/2 little-no plasticity moist-v. dry						
						color change @ 27" 5 Y 5/4 dry @ 32"						
						38" hard @ 41"						
						8' EOB bedrock/shale refusal						mottling v. distinct 19-29" then less pronounced but still evident 7-27"

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-131
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/26/11 1245
Prepared by	KAH
Start Time and Date	8/26/11 ↓
Finish Time and Date	8/26/11 1340
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery "	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1255		0-4	40			0-9½ Sandy SILT vf-med subr soft-med stiff no plasticity/dilatency						
						4-6 broken asphalt						
					0.0	9½-18 clayey SILT little sand vf-f, tr medium dry no plasticity/dilatency						
						block med stiff-stiff						
						18-27 CLAY little sand v.f-fine trace silt low plasticity no dilatency						
						med stiff slightly damp mottled 10YR 3/3						10YR 4/6
					0.0	27-34 Sandy SILT vf-med mostly med slightly damp tr v. coarse-small pebble						
						med pebbles @ 29" 1g pebble @ 33"						
						34-39 SAND dry vf-med trace clay little granule-small pebble dry, poor sort sub-subr						
						39-40 broken up sandstone 7.5 YR 7/6						
1310		4-8	45			0-4 SAND coarse, tr v. coarse, subr-round, tr granule wet, well sort						
						loose						
					0.0	4-12 SAND f-med, mostly med, little coarse, tr vc coarse-small pebble						
						subr-subr dry poor sort						
						12-23 SAND f-med, mostly med tr coarse-small pebble, wet, well sort med dense subr-round						
					0.0	23-40 silty CLAY mottled dry weathered v stiff-hard						
						8' refusal due to shale/bedrock						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-132
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/26/11
Prepared by	KAH
Start Time and Date	8/26/11 1405
Finish Time and Date	8/26/11 1435
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	4'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1408		0-4	39			0-2 SAND tr silt vf-med mostly fine tr coarse – small pebble subr-subang, poor sort dry block						
						2-7 sandy SILT vf sand round tr v coarse-small pebble subr dry poor sort loose-med dense med pebbles @ 5"-6" 10 YR 6/6 color change @ 6" 5 Y 5/3						
					0.0	7-22 sandy SILT vf-fine round trace clay slightly damp med dense no plasticity/dilatency block tr coarse-lg pebbles angular-subr						
					0.0	22-39 CLAY trace silt, vf-med sand round, mottled v low-no plasticity, no dilatency slightly moist (moldable) to dry dust seams @ 36, 38, 39" (color) ~~tr granule-small pebble~~						
						4' refusal due to shale/bedrock EOB						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-133
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/1/11
Prepared by	KAH
Start Time and Date	9/1/11 1128
Finish Time and Date	9/1/11 1220
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.7

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1142		0-4	29		0.0	0-29 SAND vf	little med-coarse	fr vi coarse-granule	round-sub r			
					0.0		slightly moist-moist (19")	well sort	loose-med dense		10 YR 4/4	
						~~29~~ color change @ 24" to black → asphalt 24-29"						
1154		4-8	46			0-10 slough (concrete powder)						
						10-22 sandy silty clay w/broken up ~~clasts~~ dolomitic?						
												ranging from granule-lg pebble size
					0.0	22-40 CLAY	mottled	hard	slightly moist-dry	no plasticity/dilatancy		
						reworked @ 36"						
					0.0	40-46 Shale	GLEY 1 5/5G					
						EOB 8' Shale						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-134
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/26/11
Prepared by	KAH
Start Time and Date	8/26/11 1525
Finish Time and Date	8/26/11 1600
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1530		0-4	40		0.0	0-14 SAND f-med little coarse-v coarse tr granules damp
						& round-subr poor sort loose
					0.5	14-20.5 silty SAND vf-fine little med EAH tr v coarse-med pebble
						poor sort dry subr-subr med dense
					0.0	20.5-28 see color change → black
						28-40 SILT some vf-f sand med stiff slightly damp no plasticity/dilatency
						black tr clay
						color change @ 36" "less black"
1545		4-8	44		0.0	0-3 see wet
					0.0	3-9 SAND/GRAVEL vf-v.coarse subr-subround w/granule-med pebbles
						poor sort wet dense
					0.0	9-44 CLAY mottled tr vf-med sand round-subr
						moist to dry @ 21" med stiff
						med → no plasticity
						no dilatency

ARCADIS

Unconsolidated Boring Log

Boring/Well	SB-135
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/26/11
Prepared by	KAH
Start Time and Date	8/26/11 1625
Finish Time and Date	8/26/11 1740
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Don
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	9'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 9'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1630		0-4	31/2			0-4 slough/asphalt						
					7.0	4-10 SAND v.f-med mottled red tr silt, v. coarse-small pebble poor sort dry black						
						pounded rock @ 9"						
					329.3	10-31/2 sandy SAND v.f-med subr red dense black little coarse-small pebble						
						dry petrol odor pounded rock 12-13 1/2" tr med pebbles						
1635		4-8	22		14.0	0-17 saa						
						wet @ 12" color change @ 5 1/2 to brownish						
						1g pebble @ 7-8"						
					694.4	17-22 sandy SILT v.f-fine sand round moist black						
						petrol odor tr-little clay plasticity low-med / no dilatency						
						1g pebble @ 20"						
						color change @ 21 1/2 GLEY1 4/10GY						
1650		8-9	12			0-3 1/2 silty SAND dry (sloughs)						
					293.2	3 1/2-9 1/2 sandy SILT vf-fine sand round moist GLEY1 4/10/GY						
						GLEY 1 7/5G @ 8"						
						strong petrol odor						
						9 1/2-12" pounded bedrock						
						9" EOB due to bedrock						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-136
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/29/11
Prepared by	KAH
Start Time and Date	8/29/11 0825
Finish Time and Date	8/29/11 0915
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100-1

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 11'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0830		0-4	44			0-4 sandy SILT slightly damp crumbly no plasticity/dilatency black vf-med sub-subr little v.coarse-granule to small-med pebble slight odor						
						4-6½ pounded rock						
					2.0	6½-13 SAND AND SILT vf-med mostly med little v. coarse med pebble poor sort slightly damp med dense						
					0.4	13-44 CLAY mottled little sand/silt vf-med to coarse-med pebble dry med stiff no plasticity/dilatency						
0840		4-8	24			0-2 SAND coarse-v. coarse mostly coarse subr loose well sort moist						
					8.2	2-8 sandy clay/silt dry nonplastic/dilatent soft-med stiff mottled vf-v.coarse subr-subr petrol odor						
						8-10 pounded rock						
					5.3	10-17 sandy SILT wet strong petrol odor vf-med mostly fine soft no plasticity/dilatency black						
						17-19 silty SAND vf-med mostly fine little coarse-granule subr-subr poor sort wet petrol odor						
					14.5	19-24 CLAY mottled dry no plasticity/dilatency slight petrol odor → to slightly moist soft-med stiff						
0854		8-11	42		0.7	0-18 silty SAND wet vf-fine to med-small pebble subr-subr poor sort						
						13-29 SILT moist low-med plasticity little vf-f sand little clay color change @ 21" black → GLEY 1 7/N						
						lg pebble 27-29'						
						29-34 ~~clayey SAND~~ SANDY silt slightly damp vf-med to coarse-med pebble subr-subr						
					0.7	34-42 CLAY v. stiff-hard slightly mottled slightly damp low plasticity 5Y 5/3						
						EOB @ 11' refusal due to bedrock/shale						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-137
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/29/11
Prepared by	KAH
Start Time and Date	8/29/11 1205
Finish Time and Date	8/29/11 1350
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 11'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1215		0-4	30.5			0-4½ SILT sandy v.f-med - v. coarse little granule - small pebble dry						
						no plasticity/dilatency sub-angular loose						
					0.2	4½-22½ CLAY some sand vf-fine sub- low plasticity no dilatency med stiff						
						dry - slightly moist slightly mottled tr v. coarse - med pebbles sub-rnd						
					0.3	22½-30½ CLAY tr silt some sand vf-f moitly v.c little coarse - small pebble						
						med plasticity mostly black med stiff 1g pebble @ bottom						
1220		4-8	40.5			0-19 see						
					0.0	19-34 SAND v.f-f round wet dense well sorted tr silt						
					0.0	34-40.5 mix of sand above, silt below, and clay below						
1230		8-11	46			0-8 sandy SILT vf wet no plasticity high dilatency v. soft						
					0.3	8-11 CLAY w/ high plasticity dilatent soft slightly mottled						
					0.4	11-46 CLAY mottled slightly moist-dry no plasticity/dilatency						
						v stiff - hard						
						28" brown smear and color change to GLEY 1 4/10Y						

BORLOG.XLS.xls
08/22/2011

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-138
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/29/11
Prepared by	KAH
Start Time and Date	8/29/11 1505
Finish Time and Date	8/29/11 1640
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	9'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1513		0-4	30			0-3 pounded concrete						
						3-6 SAND med-coarse mostly med tr v coarse - small pebble round-subr						
						dry-damp poor sort loose						
					0.0	6-15 sandy SILT (AND SAND) ~~moist~~ damp no plasticity/dilatency f-med, little coarse						
						tr v coarse - lg pebbles soft						
						15-17 pounded rock						
						17-22 SAND tr silt f-d coarse mostly f-med subr-round little granule-med pebble						
						damp-moist poor sort loose beginning to be wet @ 22"						
					0.0	22-30 Clay mottled damp tr silt/vf-f sand no plasticity/dilatency						
						hard rust color laminations @ 24½"						
1554		4-8	40			0-40 saa no laminations, dry GLEY 1 5/5 GY						
						@ 31" shale GLEY 1 4/10 GY						
						@ 19" angular med pebbles (18½-20½")						
						brown lamination @ 15"						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-139
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/29/11
Prepared by	KAH
Start Time and Date	8/29/11 1635
Finish Time and Date	8/29/11 1725
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1645		0-4	42		0.0	0-15 SAND little silt vf-med little coarse-granule to small pebble
						dry-slightly damp 4-7" black
						7-15" brown
						15-16½ CLAY little silt some sand vf-f tr med damp no-low plasticity
						no dilatency med stiff
						16½-23 SANDY SILT vf-fine damp tr vi coarse-med pebble
						no plasticity dilatency med stiff
					2.1	23-42 CLAY mottled / no plasticity/dilatency damp soft-med stiff-v. stiff
						tr silt
						rock flour @ 27" (seam) 36"
1700		4-8	48½			0-3½ sloughs
					3.1	3½-48½ CLAY mottled no plasticity/dilatency slightly damp-dry
						stiff-hard slight odor
					11.3	rock/sand seams @ 11, 17, 20" GLEY 1 5/5G
						v lg pebble @ 39"
						EOB @ 8' due to shale/bedrock

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-140
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/30/11
Prepared by	KAH
Start Time and Date	8/30/11 0805
Finish Time and Date	8/30/11 0850
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) in	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0814		0-4	36			0-2½ pounded concrete						
					2.8	2½-13 SAND AND SILT vf-med little angular-sbr coarse-med pebble						
						no plasticity/dilatency med dense block						
						13-15 SAND vf-med little coarse sbr-rnd med dense-dense damp						
						poor sort						
						15-20 silty SAND/GRAVEL vf sand - v.lg pebble sbr-angular poor sort						
						broken up slightly damp						
					1.6	20-36 CLAY mottled low plasticity no dilatency med stiff - stiff						
						sl. damp						
0825		4-8	45		2.0	0-40 saa damp-dry tr sand/gravel up to med-lg pebble sbr-ang						
						@ 30" 37'						
					2.2	40-45 SHALE GLEY1 4/5G						

BORLOG.XLS.xls
08/22/2011

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-141
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/30/11
Prepared by	KAH
Start Time and Date	8/30/11 930
Finish Time and Date	8/30/11 1020
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
935		0-4	40		1.0	0-13½ SAND	v.l - wh/lt	mostly medium		little silt	damp	subr-subr
						fr gravel - med pebble	poor sort		large - med			
					1.8	13½-40 CLAY	mottled	moist - dry		med plasticity		no dilatency
						med stiff - stiff	fr gravel angular-subr					
0945		4-8	46		2.8	0-34 sl wash						
					5.9	34-46 CLAY	slightly mottled	dry		low-no plasticity		no dilatency
						reworked below 37"		med-stiff - v stiff				
						pounded rock 7-9" - also a rust seam						
						rust seam @ 37", 25"						
						EOB 8' due to shale/bedrock						

BORLOG.XLS xls
08/22/2011

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-142
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/30/11
Prepared by	KAH
Start Time and Date	8/30/11 1050
Finish Time and Date	8/30/11 1120
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	4'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1055		0-4	36			0-3 sandy SILT dry blocky vstf little coarse-gran/med pebble lean no plasticity/dilatency
						3-11 SAND vf-med mostly f-med tr silt little coarse-med pebble
					2.2	subr-subr slightly damp poor sort med dense
						11-17 SAND vf-med mostly med tr coarse-granule damp well sort subr-rnd
						med dense
						17-35½ CLAY mottled low-med plasticity ~~damp~~ moist stiff
					3.2	~~blk~~ ~~Silt~~ ~~seam~~ silt seam pockets GLEY1 8/5 GY (between 19-22")
						23" ponded rock seam ↳ parting @ 26" organics
						35½-36 dolomitic limestone
						EOB due to dolomitic limestone (bedrock)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-143
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/30/11
Prepared by	KAH
Start Time and Date	8/30/11 1135
Finish Time and Date	8/30/11 1200
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	3'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 3'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1140		0-3	30			0-9½ silty SAND vf-coarse mostly med little v. coarse - small pebble						
					4.0	& med pebble	Subc-SR	med dense			slightly moist	poor sort
						9½-11½ SAND f-coarse mostly med				slightly moist	med dense	subr well sort
					4.7	11½-18 CLAY	slightly mottled	fr fine sand	subr-round			
						low-med plasticity				slightly moist	no dilatency	
						med stiff-stiff						
					4.8	18-30 Shale	GLEY 1 4/5 G			dry		

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-144
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/30/11
Prepared by	KAH
Start Time and Date	8/30/11 1325
Finish Time and Date	8/30/11 1425
~~PID~~ or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geo probe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 6'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1345		0-4	37			0-5 pounded concrete
					3.7	5-10 SAND f-med mostly med little coarse-v coarse to granule-small pebble rounded-subr med dense poor sort slightly moist
						10-25 ~~clay~~ SILT little sand, clay v.f-med moist, stiff no plasticity/dilatency mostly v.f-f to coarse-small pebbles
						10 YR 3/2 black @ 21.5-23
						Sandy silt seam (v.f-f) 20.5-21.5", 23-25"
					4.1	25-37 SAND to silt v.f-med mostly med to coarse-med pebble poor sort med dense slightly moist
						rust colored 27-30"
1355		4-8	46			0-6 Slough
					3.6	6-15 SAND v.f-med, med → f mostly @ 10" little coarse to v. coarse-granule well sort med dense subr-round @ 15" rust colored, granule-med pebble seam
					1.0	15-36 CLAY slightly mottled (unworked) slightly moist-dry no plasticity, no dilatency hard
						36-40 SHALE GLEY1 4/5G

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-145
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/30/11
Prepared by	KAH
Start Time and Date	8/30/11 1515
Finish Time and Date	8/30/11 1700
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2"x12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in.)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1520		0-4	30		2.1	0-10 Silty SAND f-m coarse, mostly f-med loose-med dense subr-subr little v coarse-fine pebble to med pebble poorly sort dry-damp
					2.8	10-30 sandy SILT tr-little clay vf-med subr-round little coarse-fine pebble low plasticity no dilatancy moist to med pebble
1525		4-6	19		2.9	0-9 sand wet @ 6"
						9-14 poured rock
					4.8	14-19 SAND f-med mostly med to coarse-v.coarse well sort subr-round loose wet
1530		6-8	28			0-8 sand
					4.1	8-28 SAND f-med ~~mostly~~ sand to coarse well sort wet med dense, loose
						color change @ 13.5', 20" 5Y 3/1 → 2.5Y 3/3 → 5Y 3/1
1545		8-12	48	2 5.6'	4.5	0-27 soil
						27-38 varved mottled clay, silt sand from above wet poor sort
					31.1	38-44 busted rock w/SH seam @ 41"
						44-48 CLAY mottled med st.ff-st.ff med plastic no dilatancy to med pebbles moist

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-146
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/31/11
Prepared by	KAH
Start Time and Date	8/31/11 0755
Finish Time and Date	8/31/11 0915
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0 ppm

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
0805		0-4	33			0-4 pounded concrete
					3.0	4-15½ SILT tr clay little v.f sand black slightly moist med stiff-stiff
						no plasticity/dilatency
					4.4	15½-30½ SAND
						15½-26 silty sand v.f-med, some coarse-granule little small-med pebble sub-sub
						poor sort slightly damp @ 20" pounded rock med dense-dense
						26-30½ sand f-med mostly med round-sub med dense-loose
						tr coarse-small pebble well sort
						30½-33 CLAY mottled slightly moist-dry no plasticity/dilatency hard
0810		4-8	34			0-7 slough
					3.5	7-12 silty SAND v.f-f tr med slightly damp well sort round-sub med dense
						12-18 Sand and Silt, v.f-med little v. coarse-granule tr small-med pebble
						dry-wet @ 17"
						18-21 sandy SILT wet black no plasticity dilatent w soft v.f-f sand
						@ 20" 1g pebble
					973.1	21-24 CLAY mottled ~~dry-saturated~~ dry-moist no plasticity/dilatency soft
						24-34 SILT soft black organic ~~petrol~~ odor slightly moist no plasticity
						no dilatency

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-146	Site Location	St Paul, MN
Project Number	DE000440.0001	Date	8/31/11
Client Name	Ford TLAT	Prepared by	KAH

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0820		8-10	4			0-5 slough						
						5-14.5 SILT some sand vf-f v moist no plasticity dilatent soft petrol odor						
					940.8	14.5 → 21 silty SAND/GRAVEL vf-med sand little coarse - med pebble						
						rounded - subang poor sort wet dense						
0830		10-12	48		99.8	0-24 silty SAND/SANDY SILT vf-f to med - v. coarse wet no plasticity						
						vs soft						
					18.2	24-48 CLAY mottled slightly moist - dry no plasticity/dilatency						
						v. stiff-hard	GLEY 1 8/10GY					
						12' EOB						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-147
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/31/11
Prepared by	KAH
Start Time and Date	8/31/11 0945
Finish Time and Date	8/31/11 1100
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
0955		0-4	28			0-4½ pounded concrete
						4½-10 SAND f-coarse mostly med tr v.coarse-small pebble dry, loose poor sort concrete lg pebble size @ 8-10"
					13.6	
						10-18 sandy SILT black dry crumbly no dilatency no plasticity v.f-fine med dense
					5.3	18-28 SAND v.f-med mostly med little coarse-granule tr small pebble-med pebble dry-slightly moist poor sort med dense subr-subr color change @ 25" 10YR 5/6 → 10YR 3/1
1000		4-8	30		1	0-9 slough
					14.8	9-19 SAND f-med mostly med little coarse tr v. coarse-med pebble rouna-subr moist med dense poor sort
					427.4	19-30 SAND vf-f-med mostly f-med tr coarse-small pebble organics to silt poor sort med dense wet-moist strong petrol odor black-gray black
1010		8-12	46			0-13.5 saa slight sheen visible wet
					421.3	13.5-18 SILT little clay organic v. moist high plasticity soft color change @ 15"
					849.9	18-32½ SAND AND CLAY, SAND, CLAY mottled varied petrol odor lg med-high plasticity mottled vf-med mostly vf-f no dilatency soft-med with moist SAND wet vf-coarse little v.coarse-small pebble, tr med pebble, poor sort, wet med dense

pounded rock: 25½-29

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-142	Site Location	St Paul, MN
Project Number	DE000440.0001	Date	8/31/11
Client Name	Ford TCAP	Prepared by	KAH

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
					24.8	32½-46	CLAY	mottled	v. stiff-hard	no-low plasticity, no dilatency		
						sl moist						
						reworked @ 44"						

651 485-4819

ARCADIS

Unconsolidated Boring Log

Boring/Well	MSB-148
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	8/31/11
Prepared by	KAH
Start Time and Date	8/31/11 1115
Finish Time and Date	8/31/11 1250
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	16'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	Macrocore
Dimensions	2" x 16'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1125		0-4	32			0-2 slough (paved concrete)
					2.4	2-32 SAND vf-med mostly med little coarse - small pebble to med pebble
					2.3	dry-slightly moist med dense poor sort sub-sub
1131		4-8	48		3.2	0-11 slough ↑
						11-36 sea wet @ 33" loose-med dense
					1060	36-48 SAND little silt (seam @ 38") vf-med mostly fine to coarse - small pebble
						wet black strong petrol odor med dense
1138		8-12	23		1651	0-15 slough
						15-23 sea ↑
1148		12-16	48		138.0	0-48 SAND fine little silt vf-fine little med to coarse-granule
						wet poor sort sub-round sheen visible in water
					301.9	strong petrol odor 10YR 3/2 change @ ~35"
						10YR 4/2

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-157
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/1/11
Prepared by	KAH
Start Time and Date	9/1/11 1415
Finish Time and Date	9/1/11 1505
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	99.7

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1428		0-4	33			0-4 sloughed (pounded concrete)						
					0.0	4-33 SAND	vf-med	little coarse				little granule to small-med pebble
					0.0	poor sort	med dense					slightly moist
						round-sub r						
1434		4-8	41		0	0-12 slough						
					0.0	12-41 saa						wet @ 26"
					0.0	26-41 SAND	med-v. coarse	mostly coarse-v. coarse				little granule-med pebble
						poor sort	wet	round-sub r	med dense			little silt
1441		8-12	33			0-11½ slough						
					0.0	11½-21 saa						
					33.4	21-30	sandy silt	vf-med	little coarse			little granule round-sub r wet
						dilatent	to clay	med plasticity		petrol odor		
					473.3	30-33 SAND	med-coarse	petrol odor	sheen visible	little v. coarse		granule
						round-sub r	to small pebble	loose	poor sort			
						EOB 12'						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-15B
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/1/11
Prepared by	KAH
Start Time and Date	9/1/11 1537
Finish Time and Date	9/1/11 1640
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.7

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1545		0-4	35			0-6 Slough (pounded concrete)						
					0.0	6-17 silty SAND vf-med little coarse-small pebble poor sort slightly moist round-subr med dense						
						17-26 Sandy SILT ~~[illegible]~~ tr-little clay mottled vf-f sand round-subr no/little plasticity no dilatency tr vi coarse-med pebbles slightly moist med stiff						
					0.0	26-35 SILT some sand vf-f round little clay black moist med dense med plasticity no dilatency organics						
1550		4-8	33			0-7½ Slough						
					187.4	7½-33 SAND vf-med little v. coarse-granule to small-med pebble poor sort round-subr slightly moist-wet @ 20"						pounded rock @ 14"
					490.5	color change @ 22" 25½" brown → 2.5Y 5/1 / 2.5Y 4/1 → black strong petrol odor @ 24"						
1600		8-12	46		631.5	0-6 see strong petrol odor						
					25.8	6-21 CLAY mottled vi sort wet petrol odor little sand/silt vf-fine, broken rock @ 11" broken rock/sand seam @ 15"						
					2.1	21.39½ CLAY moist-slightly moist vi hard reworked no plasticity dilatency						5Y 5/3
					10.7	39½-46 weathered shale GLEY 1 4/10GY						

EOB 12'

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-159
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/2/11
Prepared by	KAH
Start Time and Date	9/2/11 0805
Finish Time and Date	9/2/11 0925
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100 @

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" X 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) in	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0820		0-4	35			0-2½ slough						
					1.2	2½-35 SAND f-med little coarse-small pebble to med-lg pebble round-suba						
						poor sort med dense slightly moist-moist						
						odor begins @ 29" petrol odor strong 31-35"						
					92.4	color change to black @ 30"						
						31-33" CLAY moist						
						8-12 ~~sandy~~ silt vf-f little med-granule to small-med pebble little clay						
						low-med plasticity						
0826		4-8	38			0-10 slough						
					1057	10-38 Sandy SILT no plasticity/dilatency black med stiff v.f-f little med						
						to coarse-small pebble ~~wet~~ moist-wet strong petrol odor						
					842.5	16-17, 20½-25, 27, 28 30-31 silty SAND f-med to v coarse-small pebble						
						28-30 CLAY med stiff moist med-high plasticity						
0832		8-12	46			0-4½ slough						
					1264	4½-10 Sandy SILT vf-med little coarse to v.coarse-small pebble wet						
						10-24 SAND tr-little silt f-med ~~fine~~ little coarse-v coarse wet						
						poor sort suba-suba some visible black						

no plasticity dilatent strong petrol odor

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-159	Site Location	St Paul, MN
Project Number	DE000440.0001	Date	9/2/11
Client Name	Ford TCAP	Prepared by	KLt

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
						24-34 Silty sandy gravel, broken up rock wet - slightly moist petrol odor						
						wtr-v wash mottled day seam @ 27-29"						
					77.0	34-46 Clay mottled med stiff - vi stiff low plasticity no dilatancy						
						slightly moist						
						Silt-vf sand ~~flowing~~ @ 42"						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-160
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/2/11
Prepared by	KAH
Start Time and Date	9/2/11 1010
Finish Time and Date	9/2/11 1200
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1020		0-4	31			0-6 Sandy SILT dry-slight moist loose-med dense vf-f little coarse-granule						
					2.4	tr small-med pebble 7.5 Y 2.5/3						
						6-31 SAND AND SILT vf-med tr clay slightly moist med stiff						
					13.8	little coarse tr vi coarse-med pebble round-subr rust colorations near 26"						
						27-31 black silty petrol odor						
1026		4-8	35			0-8 Sloughed						
					534.3	8-14½ SILT black moist little vf sand petrol odor no plasticity/dilatancy						
						14½-32 SAND f-med little coarse-v. coarse tr granule-med pebble						
					1363	round-subr moist to wet @ 26" black petrol odor						
						32-35 SILT black no plasticity/dilatancy organics slightly moist petrol odor						
1033		8-12	50			~~SAND vf~~						
						8-12 SILT wet trace vf sand, clay grey-black @ 5" organics no plasticity/dilatancy						
					1200	12-19 silty sand/gravel med-vcoarse petrol odor moist some granule-small pebble to med pebble poor sort black						
					52.9	19-50 CLAY mottled red. stiff v stiff low plasticity no dilatancy						

marked top 4"

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-161
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/2/11
Prepared by	KAH
Start Time and Date	9/2/11 1200
Finish Time and Date	9/2/11 1300
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1205		0-4	23		0	0-2.3 SAND SILTY vf-med little coarse to v. coarse-med pebble
					1.4	dry-slightly moist med dense round-suba
						lg pebble @ 2.3" 10 YR 7/2
					.5	0-5 sandy SILT dry vf-fine little med-v. coarse tr granule-small pebble
						loose 10 YR 3/4
1210		4-8	FT			0-3½ slough lg pebble @ 3½
					178.4	3½-11 SAND black petrol odor wet vf-coarse well sort med dense
						round-suba
						11-17 SILT little clay black organic wet-v. moist med dense
						med-high plasticity no dilatancy little vf sand
1300		8-12				Lost rod down borehole
						No recovery
						13' EDB

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-162
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/6/11
Prepared by	KAH
Start Time and Date	9/6/11 0820
Finish Time and Date	9/6/11 0930
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0834		0-4	36			0-6 slough (broken up concrete)						
					6.8	6-36 CLAY mottled dry-moist little sand vf-fine tr silt med plasticity						
						broken rock @ 23,33" med stiff						
					0.3	10-17 SILT black moist trace-little clay no plasticity/dilatancy loose/soft-med						little vf-f sand
0840		4-8	32			0-19 CLAY mottled, low plasticity dry-moist, med dense						
					0.5	@ 672" med-high plasticity v. moist soft-v. soft						
						19-29 sandy SILT v moist soft to wet						
						vf-med subr-round little coarse to v. coarse-small pebble						lg pebble @ 25,26"
					0.4	29-32 silty SAND med-coarse little v. coarse wet loose round-subr poor sort						
						tr gravel-small pebbles						
0854		8-12	49			0-4 slough						
					0.7	4-8 silty SAND f-coarse v. moist tr v coarse-med pebble poor sort round-subr loose						
					0.3	8-15 CLAY mottled slightly moist shale @ 9-10½ stiff med dense						
						v. plasticity/dilatancy						
						bagged rock @ 13-15" wet						
					0.4	15-49 SILT, tr-little clay little sand vf v. moist-wet black color change @ 41"						
						@ 41" SILT some SAND vf-fine v. moist-wet soft						GLEY 1 5/5G4

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-163
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/6/11
Prepared by	KAH
Start Time and Date	9/6/11 1100
Finish Time and Date	9/6/11 1210
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1109		0-4	31			0-15 silty SAND/GRAVEL dry poor sort round-subr-angular v.f-med						
						some coarse-v. coarse little granule-med pebble						
					21.6	15-26 SILT black some sand v.f moist no plasticity/dilatancy soft-med dense						
						crumbly to clay slight odor						
					177.8	26-31 SAND f-coarse mostly med round-subr loose slightly moist well sort						
						tr v. coarse small pebble						
1114		4-8	23			0-2½ slough						
					1437	2½-16 SAND f-med mostly med trace coarse-med pebble moist-wet (@9")						
						well sort loose-med dense round-subr						
					668.2	color change black 10-16" 2.5Y 4/4 5-7"						
						slight-strong petrol odor @ ~10"						
					920.7	16-23 SILT organics v. moist petrol odor black tr clay little v.f sand med plasticity						
						no dilatancy soft-med dense						
1120		8-12	46			0-11½ slough						
					862.1	11½-14 saa						
						14-16 CLAY mottled						
					70.2	14-18 SAND AND CLAY crumbly moist-wet non plastic/dilatant						
						18-46 moist-dry mod stiff hard (@42") no plasticity/dilatancy						
						green-orange band @ 32" v fine sand/silt lamination						
						reworked @ 42"						

EOB Refusal @ 12'

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-164
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/6/11
Prepared by	KAH
Start Time and Date	9/6/11 1231
Finish Time and Date	9/6/11 1305
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11.5'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 10.5'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) in	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1239		0-4	29			0-3 SAND AND SILT slightly moist - dry v.f-f little med-coarse tr v. coarse sub pebble						
						tr clay non plastic / dilatent						
					0.0	3-29 SAND v.f wet round med dense dilatent well sorted						
						tr silt slightly mottled tr f-med grained color change @ 19"						
1244		4-8	26			0-6 sea (sloughs)						
						6-11 SANDY SILT mottled v.f-f little med - small pebble soft no plasticity						
						dilatent						
					0.1	11-26 CLAY dry no plasticity / dilatency hard						
						pointed rock @ 24" GLEY 1 5/10GY						
		8-11.5	34			0-3½ sloughs						
						3½-7½ sea						
					0.0	7½-17½ SILT some v.f-f sand organics tr moist soft-med stiff little clay						
						med-high plasticity black-dk gray (@ 15")						
					0.0	17½-27½ CLAY some sand moist med plasticity no dilatency						
						tr gravel-small pebble mostly v.f-f, little med slightly mottled						
						GLEY 1 5/10 GY						
						27½-34 pointed rock / wet little silt						
					—	11½' EOB refusal						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-105
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/6/11
Prepared by	KAH
Start Time and Date	9/6/11 1405
Finish Time and Date	9/6/11 1455
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	10.5'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 10.5'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1410		0-4	38		0.6	0-10 SILT dry little sand mf-f tr clay black soft no plasticity/dilatancy
						10-24 SAND mf little silt wet dilatant tr coarse-granule well sort med dense Color change @ 13"
					0.0	
					0.0	24-38 SILT some sand mf-f black moist tr med-coarse nonplastic/dilatant
1415		4-8	27		4.0	0-7 see
					0.4	7-27 CLAY dry reworked no plasticity/dilatancy crumbly GLEY 1 4/5GY hard broken rock/slate @27"
1420		8-10.5	15		0.1	0-15 SILT wet some sand, tr clay soft mottled black mtl ~6" mf-coarse little small-lg pebbles, moist broken
						10.5' EOB due to refusal (rocks)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-166
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/6/11
Prepared by	KAH
Start Time and Date	9/6/11 1525
Finish Time and Date	9/6/11 1640
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1531		0-4	21			0-1½ pounded concrete
						1½-5½ SAND f-med little coarse tr v. coarse moist loose poor sort round-subr
					2.7	5½-9 SILTY SAND f-med little coarse pounded rock @ 8½"
					19.5	9-21 SAND f-med tr coarse-v. coarse pounded/broken rock @ 11, 15, 18-20"
						moist-dry fill material – brown glass (especially 19-21")
						decaying substance @ 13" GLEY 1 3/10GY @ 9-11"
1538		4-8	28			0-5 slough
					5.8	5-11 broken glass, rock wet
					19.8	11-28 CLAY slightly mottled, reworked little silt, vf-f sand
						med plasticity no dilatency soft-med stiff tr broken rock, gravels small pebble
1545		8-12	28			0-7½ SILT some vf-f sand v wet v. soft no plasticity/dilatency
					632.6	7½-11 CLAY slightly mottled reworked slightly moist w/dry no plasticity/dilatency
						11-20 CLAY little silt block med plasticity no dilatency moist med dense
						petrol odor trace organics @ 19-20"
						20-27 CLAY AND SAND mottled reworked vf-med little granules-med pebbles
					1836.6	round-subr med dense v. moist & petrol odor GLEY 2 4/10GG
						27-28 sandstone
						12' EOB bedrock refusal

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-167
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/6/11
Prepared by	KAH
Start Time and Date	9/6/11 1645
Finish Time and Date	9/6/11 1850
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1648		0-4	28			0-8 SAND/GRAVEL vf-m coarse poor sort loose dry round-angular little silt						
					3.8	8-13 CLAY AND SAND mottled reworked vf-f little med med stiff-stiff little silt no plasticity/dilatency						
					10.4	13-22½ SAND/GRAVEL vf-m coarse poor sort dry round-angular little silt broken rock						
						22½-26 SILT moist black little clay organics little sand vf soft med plasticity no dilatency						
1654		4-8	44		2.3	0-6 see						
					10.4	6-44 CLAY slightly moist-dry reworked slightly mottled no-little plasticity no dilatency med stiff little silt, vf-f sand						
1700		8-12	31			0-3 see						
					656.7	3-18 CLAY little silt black med plasticity no dilatency moist med dense petrol odor trace organics						
						18-19 red sandstone						
						19-28 SAND AND CLAY wet mottled little lg pebbles broken rock little silt						
					480.1	soft-v. soft no plasticity/dilatency						
						28-31 vf sand sandstone crumbles dry-slightly moist						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-168
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 0750
Finish Time and Date	9/7/11 0850
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
0756		0-4	24			0-6 SAND v.f-med little silt, v. coarse - med pebble suba-subr poor sort dry loose black
					1.3	6-11 SAND v.f-f little silt, vi coarse broken rock tr small pebble
						round-suba loose slightly moist poor sort
					0.7	11-24 SAND f-med little coarse - v coarse tr granule - med pebble slightly moist - moist
						poor sort loose-med dense suba-round
0802		4-8	28		0.9	0-20 SAND f-v. coarse (gradually graded) some granule, little small pebble tr silt
						poor sort moist round-subr
					0.2	20-28 SILT mottled little clay some sand v.f. coarse wet
						med plastic no dilatency med stiff
0807		8-12	38	8 5	0.2	0-10 SAND f-v. coarse tr vf-silt mostly med-coarse poor sort wet suba-rnd
						med dense little granule tr small-med pebble
						10-23½ SILT tr clay low-no plasticity so moist little v.f sand no dilatency
					0.0	black organics
						23½-27 CLAY v moist soft little sand v.f tr med tr silt med plasticity
						no dilatency GLEY 1 6/N
					0.0	27-38 CLAY med stiff-stiff moist mottled low-moplasticity no dilatency

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-169
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 0918
Finish Time and Date	9/7/11 1010
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
0923		0-4	29			0-29 SAND
					0.0	0-17 vf-f little coarse - small pebble tr med pebble dry - slightly moist
						poor sort loose round angular tr silt
					0.0	17-29 f-med mostly med slightly moist little coarse - v. coarse
						tr granules poor sort round - subr med dense
0928		4-8	39		0.0	0-22 SAND sat / wet @ 15"
					0.0	22-25 SILT wet some sand vf - med no plasticity/dilatency soft
						25-29 CLAY mottled v. moist soft little sand vf-fine tr med - v. coarse
						med plasticity no dilatency
					0.0	29-39 SILT tr clay little vf-f sand organics moist black
						no plasticity dilatency med stiff - soft
0934		8-12	30			0-3½ sandy / low-med plasticity
					0.0	3½-11 sand
					0.0	11-30 CLAY mottled med stiff f sand lamination @ 20"
						low plasticity no dilatency moist

12' EOB bedrock (limestone?)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-170
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 1018
Finish Time and Date	9/7/11 1130
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12.25
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12.25'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1035		0-4	30			0-3 pounded concrete						
						3-8 Fill						
					1.4	8-17 SAND vf-f little-some silt to med poor sort slightly moist						
						loose-med stiff color change @ 9½" to black						
					0.8	17-30 CLAY slightly moist no plasticity/dilatency stiff reworked?						
						to dry v. slightly mottled						
						22-23½ sand seam vf-med little coarse-granule						
1040		4-8	37		1.6	0-37 saa						
						wet @ 26"						
					1.4	13½-14½, 24½-26 SILT seams little clay med plasticity no dilatency little sand						
						moist black						
1045		8-12	37			0-6 saa						
						6-20 SILT slightly moist organics some sand vf-f med stiff-stiff no plasticity/dilatency						
					0.8	black tr clay						
						20-31 SILT some clay med-high plasticity dilatent v. stiff-soft v. moist-wet						
					1.0	little vf sand reworked below 29"						
						31-37 CLAY reworked med plasticity slight mottling stiff some sand/silt; vf-f						
						tr coarse-med pebble moist						

1050 12-12.25 EOB refusal due to bedrock (limestone)

ARCADIS

Unconsolidated Boring Log

Boring/Well	MSB-171
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 1155
Finish Time and Date	9/7/11 1250
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1201		0-4	32			0-10 Fill (broken glass, sand)						
					0.8	10-19 CLAY mottled slightly med stiff - stiff moist some sand vf-f						
						low-med plasticity no dilatency						
					0.6	19-26 SILT moist black little clay vf sand med plasticity no dilatency						
						med stiff						
						26-30 CLAY see						
1206		4-8	31			0-6 slough						
				8/6		6-20 see wet @ 19" @ 16" lg pebble angular						
					0.7	20-31 SAND med-coarse little vf-silt wet little v. coarse round-subr						
						loose poor sort						
					0.5	24-25½ sandy SILT wet black vf-f little med soft						
						31-34 SILT black moist organic) some vf-f sand no plasticity/dilatency						
						soft-med stiff						
1211		8-12	34			0-7 slough						
					0.7	7-19 SILT see moist - wet broken rock 17-20"						
						19-32 clayey SILT/SAND mottled vf-med little coarse-small pebble round-angular						
					0.3	reworked wet med dense/dense poor sort						
						32.34 bedrock						

12' EOB bedrock (limestone)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-172
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 1320
Finish Time and Date	9/7/11 1445
PID or FID with Lamp Size	9
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1332		0-4	24			0-2½ pounded concrete
						2½-5½ SAND f-coarse mostly f-med slightly moist med dense ~~poor~~ sort
					4.5	round-sub.
						5½-13 broken rock (med-lg pebbles) oyster some CLAY slightly mottled hard slightly moist no plasticity/dilatency
					14.9	13-24 ~~Black~~ SANDY SILT / SILTY SAND black no plasticity
						hard @ 19" vf wet dense well sort round
						wet @ 19" petrol odor dilatent
1339		4-8	19			0-2½ sloughed
						2½-3½ saw
					212.6	3½-16½ CLAY dry no plasticity/dilatency med dense
						shale @ 16"
						16-19 SILT black moist organics little-some vf-f sand round
						med stiff no plasticity/dilatency tr-little clay
1347		8-12	46			0-5½ saw
					575.7	5½-40½ CLAY med stiff med plasticity moist
						5½-14 black trace silt ~~med plasticity moist~~
						14-40½ slightly mottled GLEY 1 3/10Y, Black
					532.6	40½-46 saw wet
						40½-42½ sandy SILT seam (vf sand) wet soft no plasticity
						12' EOB bedrock refusal

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-173
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 1435
Finish Time and Date	9/7/11 1535
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Don Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (~~ft~~) "	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1445		0-4	30			0-2 pounded concrete
						2-6 SAND f-med little coarse-tr v. coarse-small pebble poor sort slightly moist
					1.0	round-suba
						6-21 CLAY little silt, v.f-f sand organics · clay mottled/black @ 20"
						dry-slightly moist sand/gravel → vf sand-med pebble subr-suba
					2.5	broken rock @ 10½" FILL
						21-30 sandy SILT/SILTY SAND round med-coarse FILL
						wet @ 25" broken rock @ 25"
1457		4-8	31			0-8½ saa SANDY SILT black broken pieces of glass, organics FILL
					386.2	vf-med sand petrol odor v.moist-wet no plasticity slightly dilatent
						8½-13 SILT black little vf-f sand tr clay no-v low plasticity no dilatency
						moist med stiff
					398.3	13-34 CLAY dry, med stiff no-low plasticity no dilatency
						mottled slightly moist GLEY1 5/10GY GLEY1 2.5/10B
1458		8-12	44			0-6 Sicily
					817.6	6-9½ saa GLEY 2 4/5GB black
					373.7	9½-38 SILT black little clay low-med plasticity no dilatency moist-~~wet~~ v moist
						med stiff organics petrol odor GLEY2 5/5G mottling 35-75, beige @ 28" broken rock w/in silt grave-ly pebble
						38-44 broken bedrock
						12' EOB bedrock

BORLOG.XLS.xls
08/22/2011

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-174
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 1350
Finish Time and Date	9/7/11 1650
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	24'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1600		0-4	28			0-7 FILL
					1.0	7-8½ SILT some sand vf-f little clay med low plasticity no dilatency med stiff slightly moist black
						8½-19 CLAY mottled med stiff-stiff med plasticity moist
						13-14½ SAND seam vf-coarse poor sort subc-subr dry
						below 14½ reworked?
						19-22½ SILT some vf-f sand wet black soft-med stiff no plasticity dilatent
						22½-28 SAND brown little silt vf-med little coarse to vi coarse-med pebble
						moist poor sort broken rock
1606		4-8	35		1.1	0-24 CLAY mottled → reworked dry no plasticity/dilatency slightly moist
						~~stiff~~ 14½-16½ hard
				S3	1.0	24-35 SAND ~~vf~~-med tr silt wet little coarse to vi coarse-small pebble
						poor sort subc-subr
1614		8-12	22			0-4½ see
					0.4	4½-20 SILT little clay organics black wet med plasticity dilatent
						tr-little sand vf 16-20' reworked w/bedrock
						20-22 bedrock

EOB 12' bedrock refusal (limestone)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-175
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/8/11
Prepared by	KAH
Start Time and Date	9/8/11 0742
Finish Time and Date	9/8/11 0840
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.9

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0753		0-4	33			0-2 paved concrete						
					5.3	2-13 SAND f-med mostly med tr coarse-granule round-sub well sort slightly moist med dense broken rock @ 13"						
						13-13½ CLAY med stiff-stiff low-med plasticity slightly moist no dilatency tr vf sand/silt color changes @ 17½" → black						
					730.5	13½-33 SAND little-tr silt vf-f wood pieces @ 26" round-sub petrol odor broken rock @ 27-29" slightly moist-moist @ 29" well sort black						
		4-8	32			0-3½ see ↑						
					902.8	3½-7½ SILT organic black petrol odor little clay med plasticity moist no dilatency little-some sand vf tr f-med sub-rand med stiff						
					18.1	7½-32 CLAY dry med stiff-stiff no plasticity/dilatency GLEY 1 5/5G some spots hard slightly mottled						
0805		8-12	34			0-4½ slough ↑						
						4½-6 see ↑						
					70.8	6-16½ SILT black organic odor no plasticity/dilatency some vf sand tr-little clay slightly moist-moist @ 10½ med plasticity						
						16½-25 SILT little-some clay v. moist med-high plasticity little vf-f sand mottled little coarse-med pebbles						
					7.0	25-28 CLAY mottled v. stiff low-med plasticity no dilatency slightly moist						
						28-34 bedrock						
						EOB 12' bedrock refusal						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-176
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	09/08/11
Prepared by	KAH
Start Time and Date	9/8/11 0910
Finish Time and Date	9/8/11 1020
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.9

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
0930		0-4	16			0-2½ SAND f-med little coarse round-subrnd moist well sort med dense
					1.5	2½-16 CLAY slightly moist no plasticity/dilatency med stiff slightly mottled @ 12-14" GLEY 1 4/10Y broken rock @ 5-6"
						2½-3 vf sand/silt seam no plasticity/dilatency moist med stiff-soft
						13½-15 SILT little sand vf-med, clay moist 10 YR 3/2
0948		4-8	24		1.6	0-24 CLAY moist, but has been dry mottled low plasticity no dilatency
						rounded rock @ 8" shale pieces (med pebble size) throughout, especially 20-24"
						13½-15½ SILT some sand m moist-wet soft vf-med angular-subrnd
						black tr coarse-granule
0954		8-12	38			0-5½ CLAY saa
					861.6	5½-27 SILT
						5½-18 black med stiff some vf sand little clay no plasticity/dilatency organics
						little moist
				B3		18-27 m moist-wet tr organics petrol odor tr clay little vf sand soft
						27-38 SAND AND SILT v. moist mixed *broken bedrock mottled petrol odor
					840.5	reworked organics vf-med-coarse sand little m coarse-small pebble
						black 10 YR 5/6 tr med pebble (broken bedrock ?m)
						36-38 bedrock 10 YR 5/6

EOB 12' bedrock refusal

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-177
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/8/11
Prepared by	KAH
Start Time and Date	9/8/11 1050
Finish Time and Date	9/8/11 1120
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	99.9

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	7'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 7'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (%)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1055		0-4	32			0-6 FILL v.f-coarse sand tr silt little v.coarse-med pebble round-angular
					0.9	6-25½ SAND slightly moist loose-med dense poor sort subr-subr
						6-14 med little coarse-v. coarse tr granule
						14-25½ f-coarse little v. coarse-granule tr small pebbles
						25½-32 CLAY dry-slightly moist no plasticity/dilatency
						GLEY 1 5/5GY med stiff crumbly hard pieces
1103		4-7	26			0-3½ slough
					0.9	3½-10½ CLAY saa
						10½-19 SAND f-med little coarse, tr silt, v. coarse-small pebble
						poor sort round-subr v. moist med dense
				8/11		19-21 GRAVEL little sand (vf-med) tr silt
					1.4	med-lg pebbles subr wet dense poor sort
						21-26 CLAY v. stiff-hard slightly moist-dry no plasticity/dilatency
						GLEY 1 4/5GY crumbly
						EOB 7' SHALE refusal

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-178
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/8/11
Prepared by	KAH
Start Time and Date	9/8/11 1150
Finish Time and Date	9/8/11 1225
PID or FID with Lamp Size	
Calibration Gas/Time/Results	92.7

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	4'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (%)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1207		0-4	39			0-1 slough						
						1-4 SAND v.f-med mostly med little coarse to v.coarse med pebble						
					0.0	poor sort v. moist round-subr med dense						
						4-39 CLAY moist to dry @ 6 1/2" low-no plasticity med stiff-hard						
					0.0	GLEY 1 4/5G						
						GLEY 1 7/10GY pocket @ 37-38 inches						
						4' EOB SHALE refusal						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-179
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/8/11
Prepared by	KAH
Start Time and Date	9/8/11 1340
Finish Time and Date	9/8/11 1410
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.9

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	4'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1357		0-4	42		0.0	0-4 SAND fined-coarse little vi coarse to granule-small pebbles round-sub poor sort moist dense
					0.0	4-42 CLAY dry no plasticity/dilatancy med stiff-hard crackled GLEY 1 4/10GY weathered shale →?
		4-4.5				0-6 [redacted] SHALE
						4.5' EOB bedrock refusal (shale)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-180
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/8/11
Prepared by	KAH
Start Time and Date	9/8/11 1415
Finish Time and Date	9/8/11 1455
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.9

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	4'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) "	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1427		0-4	37		0.0	0-4 SAND fined-coarse little v. coarse-granule fr small-med pebs v. moist poor sort round-subr med dense mostly med
					0.0	4-37 CLAY/weathered shale dry no plasticity/dilatancy cracked, crumbly med stiff-hard GLEY 1 4/5G

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-181
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/9/11
Prepared by	KAH
Start Time and Date	9/9/11 1008
Finish Time and Date	9/9/11 1055
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 11'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1012		0-4	3.4			0-6½ slough (pounded asphalt/concrete)
					0.7	6½-13½ SAND vf - vcoarse little granule - small pebble tr med pebbles poor sort tr-little silt v. moist mostly vcoarse sub-subrn
						13½-20 CLAY dry v. stiff no plasticity/dilatency GLEY 1 5/10GY
					40.1	slightly mottled
						20-25 SAND f round-subr well sort moist gray med dense
						20-22½ sandy SILT wet black vf-coarse subr-subr
						25-34 SILT black moist organics broken glass low-med plasticity
						little sand vf-f tr med tr clay no dilatency
1017		4-8	28			0-4 slough
					28.6	4-12 SILT sand no glass transitioning to CLAY
						12-28 CLAY med stiff med plasticity no dilatency moist
					87.6	black → mottled @ ~22" organics little silt vf sand tr f sand
						lg pebble @ 17½, 21" tr small-med pebbles 12-20"
1025		8-11	45	8/3	102.6	0-18 SILT v. moist-wet blk little vf-f sand broken glass, organics med-high plasticity
						11-13 sandy silt vf-f sand subr 15-18 reworked w/clay broken rock
					5.3	18-44½ CLAY med stiff-hard moist-slightly moist med-low plasticity no dilatency
						mottled - reworked (0-40")

@40" 5Y 4/2

silt vf sand lamination @ 32" 10YR 4/6

44½-45 bedrock limestone

11' EOB bedrock refusal

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-182
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/9/11
Prepared by	KAH
Start Time and Date	9/9/11 1055
Finish Time and Date	9/9/11 1200
PID or FID with Lamp Size	PID (circled)
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11.5'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 11.5

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (~~ft~~ in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1102		0-4	41		29.3	0-41 CLAY slightly mottled moist-slightly moist (32"↑) organics
						tr-little v.f-f sand silt
						black 27-31½" → petrol odor GLEY 1 5/5G
					723.9	med stiff - v. stiff black
						5Y 5/3
1108		4-8	49			0-3
						3-49 see ↑
					719.3	3-11 CLAY slightly mottled slightly moist-dry no plasticity/dilatency
						crumbly med stiff sharp transition to ↓
						11-20 SILT little clay low-med plasticity moist odor black med stiff
						organics little v.f sand
					419.0	20-49 CLAY black until 38" then mottled w/ GLEY 1 4/10Y moist
						med-high plasticity no dilatency med stiff - stiff
1114		8-11.5	46			0-4½ slough
					75.2	4½-46 CLAY mottled organics @ 10" moist-slightly moist (23½) odor
						med stiff - stiff (17") - v stiff/hard (33")
					91.8	10-13½ reworked v. moist v. coarse-med pebbles some silty mottled hard clay pieces
						↓ wet

11.5' EOB refusal bedrock (limestone).

BORLOG.XLS.xls
08/31/2011

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-193
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/9/11
Prepared by	KAH
Start Time and Date	9/9/11 1400
Finish Time and Date	9/9/11 1450
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	7'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 7'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1410		0-4	44		0.3	0-10 Fill SAND vf-med little coarse-granule fr small-med pebble						
						little-fr ~~fine~~ silt dry poor sort sbr-ang						
						brown → 10YR 7/6 → black						
					0.0	10-44 CLAY moist/stiff → dry/crumbly @ ~18½"						
						36" broken weathered shale GLEY 1 4/5G						
					0.0	no plasticity/dilatancy						
						moist seam 32-33" pocket of GLEY 2 7/10G						
1418		4-7	45		0.0	0-45 saa dry/crumbly med stiff-hard						
						no plasticity/dilatancy GLEY 1 4/10GY						
					0.0	0-2 Shale						
						2-41 weathered shale GLEY 1 5/10 GY						
						41-45" Shale GLEY 1 4/10 GY						
						EOB 7' bedrock refusal						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-18
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/9/11
Prepared by	KAH
Start Time and Date	9/9/11 1220
Finish Time and Date	9/9/11 1310
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	10'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" X 10'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1227		0-4	37"			0-2 sloughs						
					0.0	2-8 SAND f-coarse little v. coarse to granules-small pebble slightly moist poor sort subr-subs						
						8-11½ CLAY v. stiff no-low plasticity little v.f-f sand to med						GLEY1 2.5/10GY
					0.0	11½-37 SILT black to little clay, vf sand little-some f sand low-no plasticity moist no dilatency to med						
						broken rock @ 18½, 15"						
1234		4-8	50			0-4 see transition to 2						
					0.0	4-50 CLAY some-to silt some vf-f sand → to sand						
						black to dark mottled @ ~ 26"						lg pebble @ 26"
					0.0	low-high plasticity moist no dilatency med stiff						
						brown/green mottled @ 38'						GLEY 1 6/5GY 5Y 4/4
												GLEY 1 5/10GY
						40-41" GLEY 1 7/10GY, GLEY 1 6/5GY seam						
1240		8-10	45			0-10 sloughs						
					0.0	10-44 CLAY mottled mod stiff-stiff moist						low-no plasticity
						GLEY 1 5/10GY 5Y 5/4						no dilatency
						22½" dk seam						
						44-45 Limestone						
						10' EOB bedrock refusal						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-185
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/9/11
Prepared by	KAH
Start Time and Date	9/9/11 1508
Finish Time and Date	9/9/11 1550
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1517		0-4	34			0-3 slough						
					0.0	3-16½ SAND		little silt/clay	vf-f	little med to coarse-med pebble		
						poor sort slightly moist round-subr						
						~~16½-20~~ silt pocket @ 7-8½"				loose-med dense		
						16½-20 old asphalt						
					0.0	20-22½ SAND moist		f-med	little coarse-granule	poor sort		
						round-subr						
						22½-34 CLAY v.stiff-hard		some little sand	vf-granule	to small-med pebble		
						low-no plasticity/dilatency		mottled	organics	slightly moist		
1523		4-8	49		0.0	0-28½ CLAY slightly mottled v.stiff		slightly moist-dry		no plasticity/dilatency		10YR 5/6
						mostly GLEY1 5/5GY hard		rust colorations		reworked towards bottom		
					0.0	28½-49 weathered shale → shale		GLEY1 4/10GY				
						16-23½ reworked broken rock pieces worked into clay						
						5Y 5/4 hard						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-186
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/9/11
Prepared by	KAH
Start Time and Date	9/9/11 1545
Finish Time and Date	9/9/11 1630
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.1

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1552		0-4	30			0-3 sloughed
					0.0	3-8 SAND fr med little coarse w coarse - granule to small-med pebble, silt poor sort slightly moist round-suba loose-med dense lg pebble @7-8'
						8-30 CLAY mottled low plasticity slightly moist
					0.0	GLEY 1 5/10GY 11-16½ some sand mf-granule to small pebbles
						10YR 5/6 broken rock @16" round-suba
1600		4-8	46		0.0	0-31 sand slightly moist-dry organic @ 21" beginning reworked @ 22"
					0.0	31-46 weathered shale GLEY 1 4/10GY
						8' EOB bedrock refusal (shale)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-187
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9/7/11
Prepared by	KAH
Start Time and Date	9/7/11 1700
Finish Time and Date	9/7/11 1800
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.4

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	10.5'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 10.5'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1711		0-4	30			0-3 sloughL
					0.0	3-7 SILT some CLAY no plasticity slightly moist little v.f-med sand black organics med stiff
					0.0	7-30 SAND f-med little coarse-granule, small-med pebbles moist subr-subA. broken rock @ 16½-18½" 13" 20-22" 10"
						12½-16" — SILT some sand v.f-f little med-coarse black little-some clay
1721		4-8	43			0-3 sloughL
					0.0	3-12 SAND/GRAVEL med-v.coarse some granule-med pebble & lg pebbles poor sort subr-angular moist tr silt/clay
						12-19 CLAY hard reworked slightly moist-dry no plasticity/dilatency GLEY 1 5/5GY
					0.0	19-21½ busted rock
						21½-43 CLAY → weathered shale @ ~25" CLAY dry reworked no plasticity/dilatency GLEY 1 5/5GY
1732		8-10.5'	46			0-12 SILT some sand v.f-f little med-v.coarse WET no plasticity/dilatency (SLOP)
					0.0	12-16 SAND wet f-v.coarse little granule tr small-med pebbles round-subA poor sort loose-med dense
					0.0	16-46 weathered shale (slightly moist-dry)
						EOB 10.5' bedrock refusal (shale)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-18B
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	~~KAH~~ BO
Start Time and Date	9-12-11 900
Finish Time and Date	
PID or FID with Lamp Size	11.
Calibration Gas/Time/Results	99.3

Boring Location Sketch

FM 44/134/140

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	15'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 15'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) 2.5	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	3.5			8" CONCRETE
					0.6	0.7-3.5 SANDY CLAY, MOIST FINE TO COARSE SAND FRACTION, TRACE GRAVEL 2.5YR 2.5/2
					0.7	~~0.7-3~~ 2.5-3 CLAY W TRACE SAND, MOIST, PLASTIC, SOME RELIC FRACTURES LIKE HIGHLY
					0.8	~~3-4~~ 3-4 SAME AS 0.7-3 WEATHERED ROCK GLEY 1 5/10Y
						4-8
		4-8	4.5	4-6	1.3	~~4-8~~ SAA, SOME THIN (~1" SANDY CLAY CLAYEY SAND SEAMS,
				6-8	1.4	~~8~~ AND MINOR IRON STAINING
						~~8-8.3~~
		8-12	4.5			~~8.3-8.6 / FINE TO MEDIUM SAND, MOIST~~ LOAM 7/2
		~~12-14~~	~~4.0~~			8.3-8.6 / CRUSHED ROCK / GRAVEL / 2.5Y 8/1 LIMESTONE, DRY
						8.6-9.8 ORGANIC CLAY, PEAT LOOK, MOIST, LOW-DENSE GLEY 2 2.5/10G
				8-10	6.7	8-8.7 SAA
				10-R	6.3	8.7-9 CRUSHED ROCK / SAND, LIMESTONE ~~2.5Y~~ 2.5Y 8/1, DRY
						9-10.1 SAND, FINE TO COARSE ON TOP GRADING TO FINE W/ DEPTH, MOIST TO WET
						TRACE IRON STAINING
						10.1-11.3 ORGANIC CLAY, PEAT LOOK, MOIST, LOW-DENSE GLEY 2 2.5/10G
						11.3-11.6 CRUSHED ROCK / GRAVEL, LIMESTONE, DRY, 2.5Y 8/1
						11.6-12 FINE TO MEDIUM SAND, MOIST 10YR 2/2
		12-15	3	12-14	0.2	~~12-14.7~~ SAND, MEDIUM-FINE W/ TRACE CLAY AND SOME GRAVEL, LIGHTLY MOIST
						7.5YR 4/1 IN TOP 2.7 FT, BOTTOM
						14.7-15 FINE SAND, LIGHTLY MOIST, SUGAR LIKE 5Y 8/1
						DRILLER SAID IT WAS BROKEN UP ST. PETER SANDSTONE

0-2 940 } LEAD/
4-6 945 } TOLDED
6-10 950

☆ EMPTY BAGS READING 6.7

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-189
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	~~KAH~~ ne
Start Time and Date	1600
Finish Time and Date	
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.3

Boring Location Sketch

EN 44-134-146

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	15
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 15'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm) ☆	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	2.5	0-2	0.6	6" CONCRETE
				2-4	0.7	CLAY, W GRAVEL, HARD, LOW PLASTICITY, LOTS OF STRUCTURAL FRAGMENTS, & PIECE OF METAL AT ~2 FT, LARGER SO THIS IS LIKELY FILL
						GLEY 1 5/5G W/ SOME DARK BLACK MOTTLES, WEATHERED LIMESTONE
		4-8	3.0	4-6	0.5	4-6.5 SAA, BECOMING HARDER AND MORE GRAVELLY W/ DEPTH
				6-8	0.8	6.5-6.8 SANDSTONE ROCKS/GRAVEL, DRY
						6.8-8 BLACK OILY ORGANIC CLAY, DRY, LOTS OF ORGANICS/ROOTLETS
						9.6 TRACE SAND, FINE TO COARSE
		8-12	3.3	8-16	0.5	8-11.5 SAA
				16-12	0-5	RECOVERY
						9.6-11 SAND, FINE TO COARSE, TRACE GRAVEL, MOIST 5YR 3/2
						11-12 CLAYEY SAND, FINE TO MEDIUM, MOIST 5YR 8/1
		12-15	2.5	12-14	0.3	12-12.6 FINE SAND W SOME GRAVEL, SAND 10YR 7/3, GRAVEL IS LIMESTONE, DRY
				14-15	0.5	12.6-13.8 FINE SAND, UNIFORM, 5Y 8/1 LIGHTLY MOIST, SUGARY
						13.8-15 FINE SAND, UNIFORM, SANDSTONE ROCK AT 14.5, BANDED LAYERS 1-2 mm
						OF LIGHT BROWN TO DARK BROWN

☆ EMPTY BAGS READING 0.7

G-2 1040
4-6 1045
8-10 1050
} LEAD/FIELD LEAD

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-190
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	~~KAH~~ RG
Start Time and Date	1050
Finish Time and Date	
PID or FID with Lamp Size	
Calibration Gas/Time/Results	99.3

Boring Location Sketch

FM 44/134/140

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	15'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 15'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	3.0	G-2	0.5	8" CONCRETE
				2-4	0.2	0.7-1.0 SAND, ~~FINE~~ TO COARSE, MOIST, 10YR 4/3
						1-4 CLAY (FULLY WEATHERED LIMESTONE) DRY, TRACE SAND GLEY2 6/10BG
						SOME MOTTLING W/ DARK BROWN CLAY, LOOKS CHUNKY
		4-8	4.0	4-6	0.7	4-9.5 CLAY W/ SAND (FINE TO COARSE) AND GRAVEL, SOME SMALL ROUNDED
				6-8	0.4	ROCKS, MOIST LOTS OF MOTTLING BROWN (5YR 4/2) TO BLACK (GLEY2 2.5/10 BG)
						TO GLEY2 6/10BG. PLUS MINOR IRON STAINING,
			3.6			7.5-8 SAND, MEDIUM, MOIST, 10R 3/2, TRACE ROUNDED ROCK)
		8-12	~~4.0~~	8-10	0.2	8-10.5 CLAY W/ LIMESTONE GRAVEL (WEATHERED LIMESTONE)
				10-12	0.3	GLEY2 6/10BG W/ SOME ~~THIN~~ MOTTLING
						10.5-~~11~~ 11.5 CLAY W/ TRACE SAND AND SOME GRAVEL, LOTS OF MOTTLING
						GLEY2 6/10BG + GLEY2 2.5/10BG + 7.5 YR 5/6, MOIST
						11.5-12 ~~FRACTURED~~ ORGANIC CLAY, GLEY2 2.5/10BG, LIGHTLY MOIST, SOME
						MOTTLING, MICA FLAKES
		12-15	3.0	12-14	0.1	12-13 CLAYEY SAND W/ ROCKS AND GRAVEL, FINE TO COARSE, MOIST
				14-15	0.4	7.5YR 3/2
						13-15 FINE SAND, 5Y 5/1 SOME MINOR STRATIFICATION W/ DARKER
						BANDS, VERY UNIFORM, LIGHTLY MOIST, SOME IRON STAINING

~~F~~ EMPTY BAGS READING G-7

G-2 1115 LOAD
B-10 ~~1000~~ 1126 TCLP/EGW
10-12 1125

ARCADIS

Unconsolidated Boring Log

Boring/Well	SB-19
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	KAH RD
Start Time and Date	1120
Finish Time and Date	
PID or FID with Lamp Size	11.7
Calibration Gas/Time/Results	

Boring Location Sketch

EN 44/134/140

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	15
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 15'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	2.5	0-2	0.3	8" CONCRETE
				2-4	0.1	0.7-1 SAND w/ GRAVEL, FINE TO COARSE, SUBBASE FOR CONCRETE
						1-4 CLAY w/ LIMESTONE GRAVEL, (WEATHERED LIMESTONE PARTICLES)
						FEW MOTTLING w/ DARK BROWN, SOME MINOR IRON STAINING, DRY
		4-8	2.0	4-6	1.0	4-6 SAA, DRY
				6-8	0.8	6-8 SAND, MEDIUM TO COARSE, w/ GRAVEL, MOIST, 10YR 4/3
		8-12	3.5	8-10	0.9	8-8.3 SAA
				10-12	0.6	8.3-9 SAND, FINE TO MEDIUM, DRY, TRACE COARSE SAND, 10YR 7/1
						9-11.7 CLAY, MOTTLED COLOR w/ TRACE SAND, MOTTLED GREEN
						GLEY2 6/10BG + GLEY 2 4/5PB + 10YR 6/8, MOIST
						11.7-12 ORGANIC CLAY, GLEY 2 2.5/10BG, LIGHTLY MOIST, MICA FLAKES
		12-15	1.0	12-14	0.2	12-13.5 SAA
						13.5-15 SAND FINE 5Y 8/1, VERY UNIFORM, MINOR STRATIFICATION w/ DARKER BANDS, LIGHTLY MOIST
						@ PIECE OF METAL, LIKE REBAR, ACROSS SHOE, MAY HAVE LIMITED RECOVERY, BUT WOULD HAVE BEEN ~1 FT INTO NATIVE SAND

0-2 1150 GRAB/TCLP GRAB

4-6 1155

8-10 1200

* EMPTY BAGS READING 0.7

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-192
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	KAH RO
Start Time and Date	1205
Finish Time and Date	
PID or FID with Lamp Size	11.7
Calibration Gas/Time/Results	

Boring Location Sketch

FN 49/134/140

~1 FT OFF BUILDING

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	12
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm) *	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	2.0	0-2	0.0	GRAVELLY SAND, ROUNDED GRAINS, ~10 MOIST IN TOP 6" 10YR, 5/2
				2-4	0.0	CLAYEY SAND LENS FROM 3 TO 3.5 FT CHUNK OF WOOD (ROOT?) AT 3.9 FT
		4-8	3.0	4-6	0.0	SAA, SLIGHTLY MOIST, ROCKS ARE MIX, NO ONE SINGLE TYPE
				6-8	0.0	
		8-12	4.0	8-10	0.0	SAA, VERY HARD
				10-12	0.0	
						E.O.B. 12 FT BGS, STOPPED BECAUSE GRAVELLY SAND WAS BECOMING VERY VERY HARD AND WE DIDN'T WANT TO GET CLAY JAMMED IN SAMPLER

* NEW BAGS, AND "SANDWICH" PLASTIC WITH FREEZER

1230 0-2 LEAD/TCLP LEAD
1235 4-6
1240 6-10

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-193
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	KAH
Start Time and Date	145
Finish Time and Date	
PID or FID with Lamp Size	11.7
Calibration Gas/Time/Results	

Boring Location Sketch

FN 153

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	2
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 2'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-2	1.0			8" CONCRETE
				1-2	0.1	0.7 - 2.0 REAL SANDY CLAY, MOIST, BROWN, FINE TO COARSE SAND
						HIT REFUSAL AT 2 FT, HAD CONCRETE IN END OF SHOE
						- TRIED TO ADVANCE DOWN HYDROVAC HOLE, REFUSAL AT 3 FT
						CONCRETE IN SHOE AGAIN
						- TRIED TO CORE THROUGH OBSTRUCTION IN ORIGINAL HOLE USING
						STAR BIT, PUSHED IT FROM 2 TO 3 FT BGS BUT DIDN'T GET PAST
						- CORED 3RD HOLE W CONCRETE, TRIED TO GEOPROBE BUT HIT
						REFUSAL AT 3 FT
						COLLECTED SAMPLE FROM 1-2 FT BGS

NOTE: FIRST HOLE REFUSAL AT ~2 FT: 8" CONCRETE w/ CLAY FILL, HIT SECOND CONCRETE LAYER AT ~2 FT BGS → Brown SANDY CLAY, moist

0.1 ON PID

SECOND HOLE WENT DOWN HYDROVAC HOLE, GOT TO ~3 FT, HIT CONCRETE AGAIN LIKELY BIG CHUNKS RATHER THAN SECOND PAD DUE TO DIFFERENT DEPTHS

ARCADIS

Unconsolidated Boring Log

Boring/Well	~~SB-~~ 194
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	KAH RO
Start Time and Date	245
Finish Time and Date	
PID or FID with Lamp Size	11.7
Calibration Gas/Time/Results	99.3

Boring Location Sketch

FN 154

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	15
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 15'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	3	0-2	0.4	6" ASPHALT / BASE
				2-4	0.0	0.5-1.5 CLAYEY SAND, 10YR 5/6, SOME ANGULAR ROCK CHUNKS MOIST
						1.5-4 SANDY CLAY, FINE TO COARSE, MOIST GLEY2 2.5/10BG
						SOME MINOR ORGANICS, MOTTLING W/ GLEY2 5/10 BG
						SMALL ROOTS AND ORGANIC PIECES, ORGANIC ODOR
		4-8	4	4-6	0.0	4-5 PARTIALLY WEATHERED SHALE GLEY2 5/10 BG, SOME CLAY SOME
				6-8	0.0	CHUNKS W/ PLANAR FEATURES
						5-5.8 SANDY PEAT, LIGHTLY MOIST GLEY2 2.5/10BG, FINE SAND
						5.8-7 SAME AS 4-5
						7-8 CLAY W/ SOME SAND, FINE TO MEDIUM 10YR 3/6 MOTTLED W/ DARKER BROWN, MOIST.
		8-12	4	8-10	0.3	8-12 SAA, SLIGHT DIESEL ODOR, SMALL PIECE OF BITUMINOUS AT ~7 FT
				10-12	3.1	TRANSITIONING TO DARKER BROWN 10YR 2/1
		12-15	3	12-13	0.1	12-12.5 SAA WET LENS AT 12.3 TO 12.5
				13-15	0.1	12.5-13 PARTIALLY WEATHERED LIMESTONE, CLAY MATRIX GLEY2 6/5BG
						LIMESTONE ROCK AT 13 FT, MOIST
						13-13.5 CLAY W/ SAND/GRAVEL, 10YR 3/4, MOIST

REFUSAL AT 15 FT BGS, LOOKS LIKE CONCRETE

13.5-14.2 ROCK SHARDS, RED SANDSTONE, 10 R 6/4, DRY

14.2-15 SANDY CLAY W/ GRAVEL, ROUNDED GRAVEL, MOIST, 10YR 5/8

10-12 → 1515 SVOC VOC RCRA CYANIDE

13-15 → 1520

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB MT
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	9-12-11
Prepared by	~~KAM~~ RD
Start Time and Date	1530
Finish Time and Date	
PID or FID with Lamp Size	11.7
Calibration Gas/Time/Results	

Boring Location Sketch

EN 154/153

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	10'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 10'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
		0-4	3.5	0-2	0.6	0-1 CLAYEY SAND, w GRAVEL, MOIST, 10YR 5/6, ANGULAR GRAVEL						
				2-4	0.1	1-3 SANDY GRAVELLY CLAY, MOIST, MIX OF GRAVEL TYPES, LOTS OF LIMESTONE						
						GLEY 1 2.5/5G4						
						3-3.5 SANDY ORGANIC CLAY, MOIST, NO GRAVEL, GLEY 2 2.5/10B						
						3.5-4 CLAY, MOIST, GLEY 2 5/10BG w/ TAN MOTTLING AND SOME SMALL						
						ROOTS/ORGANICS						
		4-8	4	4-6	0.0	4-7.2 SAA LOSE COLOR MOTTLING, LIKE FILL SOIL						
				6-8	3.4	7.2-7.8 GRAVELLY SAND, DRY GLEY 2 2.5/10G, SLIGHT PETROLEUM ODOR						
						7.3-8 CLAYEY SAND, FINE TO COARSE, w/ GRAVEL AND ROCKS INTERBEDDED						
						LAYERS OF 10YR 2/2 AND GLEY 2 2.5/5PB, DRY						
		8-10	2.6	8-10	0.5	~~8-8.1 CLAY~~ 8.0 CHUNKS OF CONCRETE IN CORE.						
						8.1 - 10 GRAVELLY SAND w/ TRACE CLAY, GLEY 2 3/5PB LOTS OF						
						ANGULAR GRAVEL, LOOKS LIKE BROKEN UP ROCK, BUT GRAVEL IS DIFF						
						TYPES						
						10 FT REFUSAL, NO ROCK IN SHOE SO IT IS UNCLEAR WHAT CAUSED						
						REFUSAL						

G-F 1505 VOC
8-10 1405 SVOC
RCRA
CYANIDE

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB - 19b
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	11/4/11
Prepared by	KAH
Start Time and Date	11/4/11 0832
Finish Time and Date	11/4/11 0940
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100 ppm 0755

Boring Location Sketch

Drilling Contractor	Stevens Drilling & Environmental, Inc.
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	–
Drop Height	–
Total Depth Drilled	15'
Borehole Diameter	2"
Drilling Fluid Used	–
Sample Device	macrocore
Dimensions	2" x 4'

A Sample Time	B Sample ID & Type	C Sample Interval (ft bls)	D Sample Core Recovery (in)	E Blow Count	F PID (ppm)	G: 1 Density/Consistency, 2 Soil Color, 3 Grain Size Modifier, 4 Grain Size, 5 Secondary Characteristics, 6 Moisture Content, 7 to 9 Remarks and Other Characteristics
0855		0-1	14			HA - Refusal due to rip rap. Will proceed w/ geoprobe
0904		1-4	24		0.1	0-10 SAND vf-med some silt little coarse - granule tr small-lg pebble
						v loose dry sub-rnd 2.5Y 3/2
						10-16 SAND f-med well sorted little granule - small pebble v loose
						slightly moist 2.5Y 6/4
						16-17 broken rock
						17-24 fill rock tr organics → fill
0912		4-8	48		0.1	0-11 SAND slough from 0-10 above
						11-13 SAND slough from 10-16 above
					0.1	13-26 reworked CLAY ~~[illegible]~~ some SAND mottled slightly moist low plasticity no dilatancy
						med stiff-stiff fine-granule GLEY 1 5/10GY
						26-43 SAND f-coarse poorly med/coarse little coarse granule slightly moist
						sub-rnd loose tr silt gloss broken sandstone @ 32, 39-41 → FILL
						43-46 CLAY reworked med-low plasticity slightly moist med stiff
						GLEY 1 6/5G mottled tr granules sub-
0925		8-12	48		0.1	0-8 1/2 SC 0-10 from last interval
						8 1/2-31 SANDY SILT little clay vf-med mottled moist low plasticity no dilatancy
						10 YR 3/4

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASS-196	Site Location	St. Paul, MN
Project Number	DE000440.0001	Date	11/4/11
Client Name	Ford	Prepared by	KH

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
						31-35 broken rock						
					0.1	35-43 SAND f-med tr silt little gravel tr small-med pebbles						
						loose moist Subr.-subr						
						43-48 CLAY mottled non-low plasticity moist no dilatancy stiff						
						little f sand + med	GLEY 1 4/10GY					
0732		12-15	36		0.2	0-20 SC 0-10 from 1-4'						
						20-24 SC 43 46 from 4-8'						
						24-30.5 ~~SAND~~ ground rock						
						30.5-32 ground rock						
					1.0	32-36 SAND med sand + moist med-coarse sand						
						tr gravel-small pebbles						
						15' EOB						

D20	27.52	+28	117
WC	32.371	11	43
G20	32.381	10	46

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-197
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	11/04/11
Prepared by	KAH
Start Time and Date	11/4/11 1020
Finish Time and Date	11/4/11 1050
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 4'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1017		0-1.5	18			0-18 HA
1023		1.5-4	20		0.1	0-13 SAND f-coarse mostly med little vi coarse-granule tr small-lg pebble vi loose dry sub-sub-angular
						13-16 powdery sandstone 2.5Y 7/4
						16-20 CLAY reworked crumbly slightly moist-dry no plasticity/dilatancy med stiff GLEY 1 4/10Y
1028		4-8	46			0-6½ sloughed
					0.1	6½-24 CLAY saw (weathered shale) GLEY 1 4/5GY tr organics
						24-33 SILT some sand little clay v. fissured sub-sub- blocky tr organics no-low plasticity reworked no dilatancy dry weathering coarse crumbly
					0.1	33-46 SAND f-vi coarse mostly med-coarse little granules-med pebbles dry→moist @ 41" loose sub-round
1057		8-12	44			0-7 saw broken shale to 20"
					0.1	7-31 CLAY reworked mottled moist low plasticity no dilatancy med stiff-stiff mild colorations from 11-19"
						after 20" more like weathered shale
					0.1	31-34 KH bleached limestone (weak cementation)

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-197	Site Location	St. Paul, MN
Project Number	DE000440.0001	Date	11/4/11
Client Name	Ford	Prepared by	KH

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
						34-36 gray fossil rock						
						36-44 SAND/Broken rock f-coarse mostly coarse loose moist subr-subr						
1045		12-15	36		0.1	0-12 SAND vf-coarse mostly f tr silt little v. coarse broken rock						
						loose dry round-subr						
					0.1	12-36 reworked mottled CLAY med stiff no plasticity/dilatancy tr organics						
						mult colorations @ 21.5" mixed w/ sandy silt tr small-med pebbles						
						21.5-30 black sandy silt no plasticity/dilatancy						
						vf-coarse little v. coarse subr-round						
						30-32.5 sandy silt vf-f no plasticity/dilatancy 104 ft 3/3						
						tr clay						
						15' EOB						

OED 37.37 29 116
VC 32.490 13 42
GED 32.438 13 42

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-198
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	11/4/11
Prepared by	KAH
Start Time and Date	11/4/11
Finish Time and Date	11/4/11
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.0 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	15'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 15'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
1147		0-0.5				HA
1155		0.5-4	22		0.1	0-23 SANDY SILT wt-med little coarse tr v. coarse-med pebble no plasticity/dilatancy dry soft round-subr tr organics 10 YR 4/4
1200		4-8	43			6-7 saa
					0.5	7-13 SANDY SILT wt-[illegible] little med tr coarse-v coarse moist tr granule-med pebble
						tr clay, organics becoming more med wet @ 35" soft-med stiff
					0.9	no plasticity/dilatancy black @ 21" 2.5Y 3/1 v to 21"
1213		8-12	31			0-9 saa
						9-12 SAND/gravel rock transition to
					0.4	12-31 reworked CLAY mottled med/stiff-stiff tr organics no plasticity/dilatancy little f-coarse sand tr v. coarse-small pebble subr-subr-angular slightly moist
						23-27" sandy silt wt-med mottling from tr clay no plasticity/dilatancy med stiff-stiff
					0.3	31-39 SANDY SILT little clay no plasticity/dilatancy stiff-hard black slightly moist below plasticity wt-med round-subr little coarse granules subr-angl
1224		12-15	38		0.6	0-21 saa
					0.1	21-32 SILTY SAND vit-med some coarse-granule tr small pebble slightly moist med hard round-angular 10 YR 4/6

10 YR 5/3 4/6

32-38 SAND f-v. coarse, mostly med round-subr loose tr-little v. coarse-granule slightly moist 10 YR 5/4

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-199
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	11/4/11
Prepared by	KAH
Start Time and Date	11/4/11 1330
Finish Time and Date	11/4/11 1348
PID or FID with Lamp Size	
Calibration Gas/Time/Results	100.6

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	7'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 7'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1335		0-4	37		0.2	0-21 SANDY SILT	black	loft		dry-slightly moist	vf-f	trace med-coarse
						pushed rock @ 10"	black					
						21-27 SILTY SAND		f-coarse	mostly f med	soft	sub-sub-	slightly moist 10YR 3/4
					0.1	27-37 SAND,		f-granule	mostly coarse-v. coarse	tr small pebble	r-sub-	
						loose	dry-slightly moist			tr silt		
1342		4-7	18			0-6½ Same						
					0.1	6½-14 SILTY SAND		vf-coarse	mostly coarse	wet/moist	r-sub-	
						loose						
						14-18 CLAY		low plasticity	no dilatancy	moist		
						some vf-f sand	little med		tr silt	soft	mottled	
						7' Bedrock refusal						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-200
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St. Paul, MN
Date	11/4/11
Prepared by	KAH
Start Time and Date	11/4/11 1440
Finish Time and Date	11/4/11
(PID) or FID with Lamp Size	
Calibration Gas/Time/Results	100.0 ppm

Boring Location Sketch

Drilling Contractor	SDE
Driller & Helper	Dan Hunter
Drilling Method	geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8'
Borehole Diameter	2"
Drilling Fluid Used	none
Sample Device	macrocore
Dimensions	2" x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
1442		0-4	25		0.1	0-15 SAND f-v. coarse mostly med-coarse little granule tr small pebble moist r-sub-v. loose						
					0.0	15-25 CLAY some sand moist soft-med stiff low plasticity no dilatancy tr silt f-vf rounded-subr tr granule-med pebble 2.5Y 5/3						
1450		4-8	48		0.0	0-6 slough						
						6-30 saw v. soft v. moist becoming SAND gray/white discoloration @ 20-21"						
					0.0	30-43 SAND med-v. coarse mostly coarse rounded-subr trace-little silt-f wet loose-med dense						
						43-47 CLAY AND SAND vf-coarse mostly f-med moist med stiff tr silt med plasticity no dilatancy						
						8' Bedrock refusal Limestone						

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-254
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/29/12
Prepared by	P Buyarski
Start Time and Date	0830
Finish Time and Date	0930
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	—

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe & John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device Dimensions	macrocore 2' x 8'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) in	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
0830		0-4	25		54.0	0-6	silty loam with some roots and organic matter, trace fine gravel pebbles					dry 2.5Y 2.5/1
					4.0	6-13	silty sand with trace fine gravel pebbles, trace organic/root matter, pebbles fill soil					slight moist 2.5Y 2.5/1
					1.8	13-16	silty sand with granules, well sorted					dry 2.5Y 2.5/1
		[illegible]			1.4	16-30	silty clay with little fine sand, medium plasticity, medium hardness					10YR 3/2
					1.2	30-35	fine sand with little silt, well sorted, slightly moist.					2.5Y 4/3
		4-8	40		—	0-10	fill					
					2.2	10-16	Sand with trace granules					
					1.4	16-40	clay low plasticity, medium hardness, dry					2.5Y 5/4

ASB-254-0-4 (20121029 0920) VOC SVOC DRO PCB

Bedrock at 6.9 ft 6.75

ASB-254-4-5 (20121029 @0930) VOC SVOC DRO PCB

ARCADIS

Unconsolidated Boring Log

Boring/Well	SB-255
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/25/12
Prepared by	P Buyarski
Start Time and Date	10/26/12 0745
Finish Time and Date	
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	—

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	John and Joe
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	8.5
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 8.5'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
		0-4	4.0		1.7	0-11	loam with little fine sand and some granules trace organic matter/matter. dry					7.5yr 3/2
					1.0	11-30	coarse grained sand with some med-fine sand. moderately sorted. moist					10yr 2/2
					0.9	30-34	medium grained sand with trace clay. well sorted					7.5yr 4/3
					0.9	34-40	clay with trace medium sand. high plasticity. medium hard.					2.5yr 5/4
		4-8	4.7		—	0-5	dry slough					
					0.7	5-16	clay with trace fine-med sand, moist					2.5 y (0/3). high plasticity. medium hard
					0.9	16-43	sand. dry					5y 6/3
		8-12	4.5			43-44	large pebble → very large pebble					
						0-35	slough					
					2.5	35-45	clay. hard. dry.					Gley 1 5/5GY
						EOB at 40.5 ft						

SB-255_0-2 (20121029)
1000
VOC
SVOC
DRO
RRO
PCB

SB-255_8-8.5 (20121029)
1110
VOC
SVOC
DRO
RRO
PCB

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-256
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/29/12
Prepared by	P Buyarski
Start Time and Date	1115 10/29/12
Finish Time and Date	1145
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe & John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11.5'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 11.5'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft) in	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
		0-4	32		—	0-12 Fill. medium to coarse pebbles						
					0.7	12-17 coarse sand with trace granules. well sorted moist						
				sample →	0.7	17-32 clay. low plasticity. soft. 5Y 2.5/1						
		4-8	48			0-10 slough						
					0.7	10-29 fine - v fine sand. well sorted. moist 5Y 2.5/1						
					0.4	29-48 medium sand. well sorted. v moist 10yr 5/4						
		8-12	32		0.0	0-4 saa						
				sample →	1.8	4-29 fine to v. fine sand well sorted moist 5Y 2.5/1						
					1.2	29-32 clay. mod. plasticity EOB at 11.5ft, small	Grey 1 5/5-GY					

ASB 256 3-4 (10:20 29)
VOC SVOC PCB RCRA DRO
1135

ASB 256 9-10 (10:21 29)
VOC SVOC RCRA PCB
1145

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-257
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/29/12
Prepared by	P Buyarski
Start Time and Date	10/29/12 0930
Finish Time and Date	
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe & John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	8.5'
Borehole Diameter	2"
Drilling Fluid Used	
Sample Device Dimensions	macrocore 2" x 8.5'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
						Hand auger to 4 ft						
						0-1.5 ballast rock						
					0.8	1.5-2 sandy silt. V fine sand. low plasticity. well sorted.						7.5yr 2.5/3
					0.8	2-2.5 saa						
					0.8	2.5-3 saa						
					0.4	3-3.5 saa trace granules.						2.5 y 3/2 moist
					0.7	3.5-3.75 sandy silt. medium to coarse grained with little granules. no plasticity						2.5 y 4/2 moist
						3.75-4 saa with trace medium-large pebbles						
1305 start 2gals		4-8	4			0-12 slough						
					0.4	12-36 sandy clay with trace small pebbles						
		8-12	4	sampled	0.4	36-40 clay. med plasticity. very hard. moist				fine-med sand		2.5 y 4/2
						gley 1 5/5gy				lenses of		5y 5/6
		8-12	2		0.7	slough						
					7-24	saa; saturated						EOB at 8.5; bedrock

ASB-257-1.5-2(20121020) @ 1030
VOC SVOC RCRA DRO PCB

ASB 257-6-8 (20121030) 1240
VOC SVOC RCRA DRO

water ASB-257-8.5-8.5 (20121030) 0900
VOC SVOC RCRA DRO PCB

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-258
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/30/12
Prepared by	P Buyarski
Start Time and Date	10/30/12 0955
Finish Time and Date	
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	Isobutylene

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe and John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	
Drop Height	
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	33		0	0-8 coarse sand and clay with some granules and some small pebbles! poorly sorted moist 10yr 3/1
				Sample	0/0/0	8-33 clay and silt trace small granules. low plasticity. soft 5Y 5/3 and interbeds of 5Y 2.5/1
		4-8	30		—	0-8 sag/slough (mostly granules in it) moist
					0	8-19 clay with some medium sand and trace granules low plasticity. gley1 5/10y
				Sample	0	19-30 clay and silt. no plasticity very soft 5Y 2.5/1 pebbles
		8-12	46		0	0-5 sand with slough of small pebbles/ft
					0	5-13 sand unit 5Y 4/2
					0	13-22 clay. hard, trace coarse and medium plastic 2.5Y 5/3 moist
					0	22-30 clay and coarse sand with some granules and trace small pebbles. poorly sorted 2.5Y 5/1
					0	30-46 clay. hard. medium plasticity. 5Y 5/3 transitioning to clay i 5/10gy (shale) at 10 inches
						EOB at 12'

ASB-258-1-3 (20121030)
PCRA
DRO
SVOC
VOC
PCB
1027

ASB-258-6-7 (20121030)
PCRA
VOC
SVOC
DRO
1035

1130 a call - transformers order serial # capacity

• rail tracks volume of ballast rock L x H x W

ARCADIS

Unconsolidated Boring Log

Boring/Well	ASB-259
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/30/12
Prepared by	P Buyarski
Start Time and Date	10/30/12 1055
Finish Time and Date	
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe and John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	11.9'
Borehole Diameter	2"
Drilling Fluid Used	
Sample Device	Macrocore
Dimensions	2" x 11.9'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	32		0	0-11 fine sand and silt with 5% gravels and trace organic matter dry 2.5y 3/3
					0	10-16 clay and coarse sand, with trace gravels very moist. Mottled 7.5 yr 5/6
				sample	0	16-23 silty clay. high plasticity. medium hard. 10yr 2/1
					0	23-32 clay. low plasticity with trace medium sand. 5y 5/4
		4-6	40		0	0-5 sag
					0	5-29 clay medium plasticity, very dry and hard. grey 5/5g
					0	29-40 silty clay. low plasticity very moist. very soft 5y 2.5/2
		8-12	48		—	0-7 slough
					0	7-44 clay high plasticity hard, wet interbedded color 5y 5/4 and grey 5/10gy bedrock at 11.9 ft. end of boring

ASB-259-1-2
RCRA
DRO
VOC
SVOC
@ 1115

ASB-259-4-6
PCB
RCRA
DRO
VOC
SVOC
1120

ARCADIS

Unconsolidated Boring Log

Boring/Well	SB-2160
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/30/12 1250
Prepared by	P Buyarski
Start Time and Date	10/30/12 1250
Finish Time and Date	
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	Isobutylene

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe and John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
		0-4	34		0	0-9				Ballast rock		
				sample	0	9-20				silty clay. no plasticity. high dilatancy.		
					0					NO ST= soft-10 yr 5/10		
					0	20-34				clayey silt. no plasticity. med dilatancy. rad coarse sand		sy 2.5/1 moist
		4-8	34		—	0-9				slough from bucket		
					0	9-16				medium sand and clay with some fine gravels. well sorted		wet 2.5y 3/3 2.5-11
				sample	0	16-30				silty clay. no plasticity. soft		sy
		8-12	45		—	0-10				slough		
					0	10-15				sand		
					0	15-45				clay. hard. medium plasticity. lenses of		sy 6/6. Main color gley 1 5/5b
						EOB at 12 feet						

SB-2160 1-2 1305
PCB RCRA VOC SVOC DRO

4-9 1315
RCRA DRO VOC SVOC

BORLOG.xls
10/26/2012

ARCADIS

Unconsolidated Boring Log

Boring/Well	GSB-261
Project Number	DE000440.0001
Client Name	Ford TCAP
Site Location	St Paul MN
Date	10/30/12 1335
Prepared by	P Buyarski
Start Time and Date	10/30/12 1335
Finish Time and Date	
PID or FID with Lamp Size	11.7 eV
Calibration Gas/Time/Results	isobutylene

Boring Location Sketch

Drilling Contractor	Stevens Drilling and Environmental
Driller & Helper	Joe and John
Drilling Method	Geoprobe
Sampling Interval	4'
Hammer Weight	—
Drop Height	—
Total Depth Drilled	12'
Borehole Diameter	2"
Drilling Fluid Used	—
Sample Device	macrocore
Dimensions	2" x 12'

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (in)	Blow Count	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		0-4	30		0.0	0-5 bedrock rock
				sample	0.0	5-24 clay with some coarse sand and trace granules. Hard. medium plasticity. 5Y 5/4
		4-8	36			6-3 large rock in clay and crumbles
					0.0	3-7 sand
					0.0	7-13 clay silty clay with some fine sand. no plasticity. very soft, 5Y 2.5/1
					0.0	13-36 clay. some granules medium hard. dry medium plasticity. gley1 4/10y
		8-12	32			0-1 sandy
						1-13 sand
					0.0	13-31 silty clay. very soft. moist. no plasticity. 5Y 2.5/1
					0.0	31-32 transition to shale
						Bedrock at 12ft, EOB

GSB-261-0.5-2
RCRA
DRO
VOC
SVOC
1350

9-11
RCRA
DRO
VOC
SVOC
1400

Appendix B

Borehole Sealing Records and MDH Well Logs

Arcadis / Ford

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes, Chapter 1031

Minnesota Well and Boring Sealing No. H 289646
Minnesota Unique Well No. or W-series No. (Leave blank if not known)

WELL OR BORING LOCATION

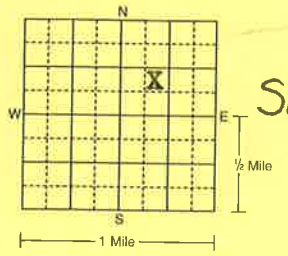
County Name: Ramsey

Township Name	Township No.	Range No.	Section No.	Fraction (sm. → lg.)
St. Paul	28N	23W	17	NE¼ SW¼ NE

GPS LOCATION: Latitude_____ degrees_____ minutes_____ seconds
Longitude_____ degrees_____ minutes_____ seconds

Numerical Street Address or Fire Number and City of Well or Boring Location: 966 Mississippi River Blvd, St. Paul

Show exact location of well or boring in section grid with "X."



Sketch map of well or boring location, showing property lines, roads, and buildings.

See attached map.

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above:
966 Mississippi River Blvd
St. Paul, MN 55115

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well owner's mailing address if different than property owner's address indicated above:

Date Sealed: Sept 9, 2011
Date Well or Boring Constructed: Sept 9, 2011

Depth Before Sealing: 12 ft.
Original Depth: 12 ft.

AQUIFER(S): [X] Single Aquifer [ ] Multiaquifer

WELL/BORING: [ ] Water-Supply Well [ ] Monit. Well [ ] Env. Bore Hole [X] Other temp.

STATIC WATER LEVEL: [ ] Measured [X] Estimated Date Measured 9/9/11
8 ft. [X] below [ ] above land surface

CASING TYPE(S): [ ] Steel [ ] Plastic [ ] Tile [ ] Other

WELLHEAD COMPLETION
Outside: [ ] Well House [ ] At Grade [ ] Pitless Adapter/Unit [ ] Buried [ ] Well Pit [ ] Other
Inside: [ ] Basement Offset [ ] Well Pit [ ] Buried [ ] Other

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
_____ in.	from _____ to _____ ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown
_____ in.	from _____ to _____ ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown
_____ in.	from _____ to _____ ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown

SCREEN/OPEN HOLE: Screen from _____ to _____ ft. Open Hole from _____ to _____ ft.

OBSTRUCTIONS: [ ] Rods/Drop Pipe [ ] Check Valve(s) [ ] Debris [ ] Fill [ ] No Obstruction
Type of Obstructions (Describe):
Obstructions removed? [ ] Yes [ ] No Describe:

PUMP: Type: [ ] Removed [ ] Not Present [ ] Other:

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
[X] No Annular Space Exists [ ] Annular Space Grouted with Tremie Pipe [ ] Casing Perforation/Removal
_____ in. from _____ to _____ ft. [ ] Perforated [ ] Removed
_____ in. from _____ to _____ ft. [ ] Perforated [ ] Removed
Type of Perforator:
[ ] Other:

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material: bentonite from 0 to 12 ft. _____ yards 1 bags
_____ from _____ to _____ ft. _____ yards _____ bags
_____ from _____ to _____ ft. _____ yards _____ bags

OTHER WELLS AND BORINGS: Other unsealed and unused well or boring on property? [ ] Yes [ ] No How many?

GEOLOGICAL MATERIAL	COLOR	HARDNESS OR FORMATION	FROM	TO
If not known, indicate estimated formation log from nearby well or boring.				
asphalt	black	hard	0	6"
sand/clay	dk brown		6"	6'
sand gravel	brown		6'	10'
clay	grey		10'	12'

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING
*eight test borings were completed to collect water samples and were grouted up immediately after sampling

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION
This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Environmental Services, Inc. 2255
Licensee Business Name *License or Registration No.*

Certified Representative Signature 556 *Certified Rep. No.* 9/23/11 *Date*

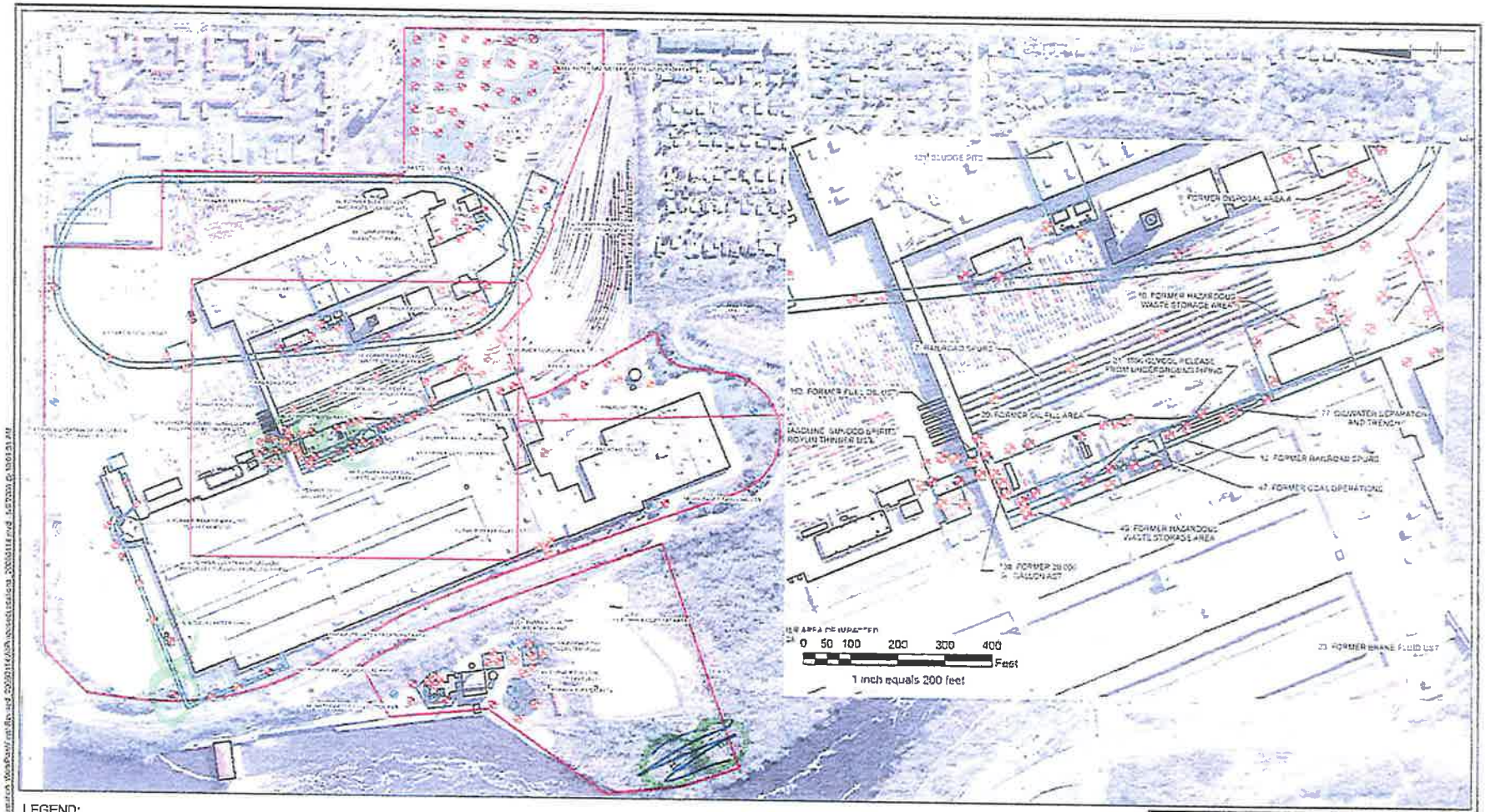
Dan Hunter
Name of Person Sealing Well or Boring

IMPORTANT-FILE WITH PROPERTY PAPERS-WELL OWNER COPY

H 289646

HE-01434-12 IC# 140-0423

9/09R



LEGEND:

Completed Locations
- Monitoring Well
- Soil Boring

Proposed Locations
- Monitoring Well
- Soil Boring

Exterior Feature

Ford Property Boundary

0 200 400 600 800 1,000 1,200
Feet

1 inch equals 400 feet

NOTE:
Imagery Source: United States Geological Survey High Resolution Orthoimagery for the Minneapolis-St. Paul, Minnesota Urban Area

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Proposed Soil and Groundwater Sampling Locations

ARCADIS

FIGURE
33

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784720

WELL OR BORING LOCATION

County Name: Ramsey

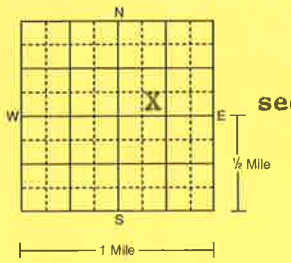
Township Name	Township No.	Range No.	Section No.	Fraction
St Paul	28N	23W	17	SE ¼ SW ¼ NE ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd St Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X". Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



AMW 11

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.
966 Mississippi River Blvd.
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
black top			0	1
gravel	yellow		1	3
silty sand	gray		3	9½

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS WELL OWNER COPY 784720

WELL/BORING DEPTH (completed): 9 1/2 ft. DATE WORK COMPLETED: Sept 13, 2011

DRILLING METHOD: [x] Cable Tool [x] Auger [ ] Driven [ ] Rotary [ ] Dug [ ] Jetted

DRILLING FLUID: ---

WELL HYDROFRACTURED? [ ] Yes [x] No From ____ ft. To ____ ft.

USE: [ ] Domestic [x] Monitoring [ ] Heating/Cooling [ ] Noncommunity PWS [ ] Environ. Bore Hole [ ] Industry/Commercial [ ] Community PWS [ ] Irrigation [ ] Remedial [ ] Elevator [ ] Dewatering [ ]

CASING MATERIAL: [ ] Steel [x] Plastic Drive Shoe? [ ] Yes [x] No [x] Threaded [ ] Welded

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 4½ ft.	____ lbs./ft.	____	8¼ in. to 9½ ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.

SCREEN: Make Johnson Type PVC Diam. 2" Slot/Gauze 10 Length 5' Set between 4½ ft. and 9½ ft. FITTINGS thread

OPEN HOLE: From ____ ft. To ____ ft.

STATIC WATER LEVEL: 6½ ft. [x] Below [ ] Above land surface Measured from grade Date measured 9/16/11

PUMPING LEVEL (below land surface): ____ ft. after ____ hrs. pumping 3 g.p.m.

WELLHEAD COMPLETION: [ ] Pitless/adapter manufacturer ____ Model ____ [ ] Casing Protection ____ [ ] 12 in. above grade [x] At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION: Well grouted? [ ] Yes [x] No Grout materials [ ] Neat cement [ ] Bentonite [ ] Concrete [ ] Other ____

neat cement bent.

From 0	To 2½ ft.	½	[ ] Yds.	[x] Bags
From 2½	To 3 ft.	1/3	[ ] Yds.	[ ] Bags
From ____	To ____ ft.	____	[ ] Yds.	[ ] Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? [ ] Yes [x] No

PUMP: [x] Not installed Date installed ____ Manufacturer's name ____ Model Number ____ HP ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ g.p.m. Type: [ ] Submersible [ ] L.S. Turbine [ ] Reciprocating [ ] Jet [ ]

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? [ ] Yes [x] No

VARIANCE: Was a variance granted from the MDH for this well? [ ] Yes [x] No TN# ____

WELL CONTRACTOR CERTIFICATION

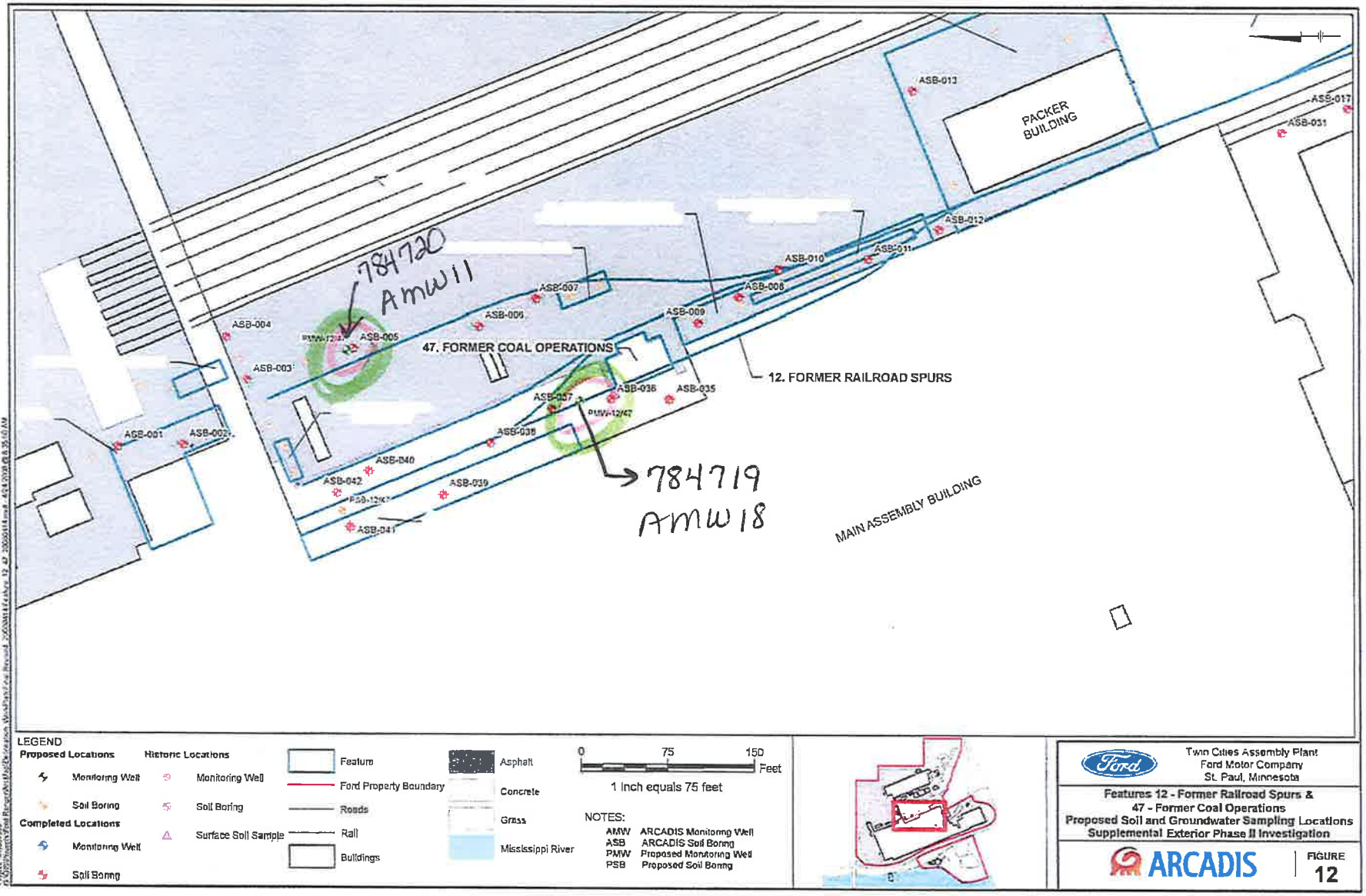
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env. Svc. Inc. 2255
Licensee Business Name Lic. or Reg. No.

Certified Representative Signature 556 9/26/11
Certified Rep. No. Date

Randy Johnson
Name of Driller

IC 140-0020 HE-01205-12 (Rev. 12/08)



W GLL

AT - GRADE

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO.: 784724

WELL OR BORING LOCATION

County Name: Ramsey

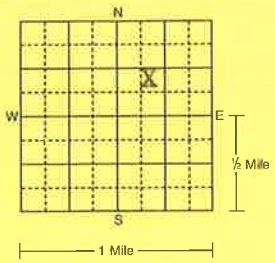
Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	NE¼ SW¼ NE¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd St Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X."



Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.

AMW 12

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.

966 Mississippi River BLvd
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
blacktop			0	1
gravel	yellow		1	3
silty sand	gray		3	11

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY

784724

WELL/BORING DEPTH (completed): 11 ft.

DATE WORK COMPLETED: Sept 13, 2011

DRILLING METHOD: ☐ Cable Tool ☐ Driven ☐ Dug ☒ Auger ☐ Rotary ☐ Jetted ☐ ____

DRILLING FLUID: ---

WELL HYDROFRACTURED? ☐ Yes ☒ No From ____ ft. To ____ ft.

USE: ☐ Domestic ☒ Monitoring ☐ Heating/Cooling ☐ Noncommunity PWS ☐ Environ. Bore Hole ☐ Industry/Commercial ☐ Community PWS ☐ Irrigation ☐ Remedial ☐ Elevator ☐ Dewatering ☐ ____

CASING MATERIAL: ☐ Steel ☒ Plastic — Drive Shoe? ☐ Yes ☒ No — ☒ Threaded ☐ Welded ☐ ____

CASING Diameter / Weight / Specifications:
- 2 in. to 6 ft. ____ lbs./ft. ____
- ____ in. to ____ ft. ____ lbs./ft. ____
- ____ in. to ____ ft. ____ lbs./ft. ____

HOLE DIAM.:
- 8¼ in. to 11 ft.
- ____ in. to ____ ft.
- ____ in. to ____ ft.

SCREEN: Make Johnson; Type PVC; Slot/Gauze 10; Set between 6 ft. and 11 ft.; Diam. 2"; Length 5'; FITTINGS thread

OPEN HOLE: From ____ ft. To ____ ft.

STATIC WATER LEVEL: 6' 8" ft. ☒ Below ☐ Above land surface; Measured from grade; Date measured 9/16/11

PUMPING LEVEL (below land surface): ____ ft. after ____ hrs. pumping 5 g.p.m.

WELLHEAD COMPLETION
- ☐ Pitless/adapter manufacturer ____ Model ____
- ☐ Casing Protection ____ ☐ 12 in. above grade
- ☒ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION: Well grouted? ☐ Yes ☐ No — Grout materials ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other ____

neat cement bent.

From 0	To 2	1	☐ Yds.	☒ Bags
From 2	To 4	1	☐ Yds.	☐ Bags
From ____	To ____ ft.	____	☐ Yds.	☐ Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? ☐ Yes ☒ No

PUMP: ☒ Not installed Date installed ____

Manufacturer's name ____

Model Number ____ HP ____ Volts ____

Length of drop pipe ____ ft. Capacity ____ g.p.m.

Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ ____

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE: Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# ____

WELL CONTRACTOR CERTIFICATION

This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

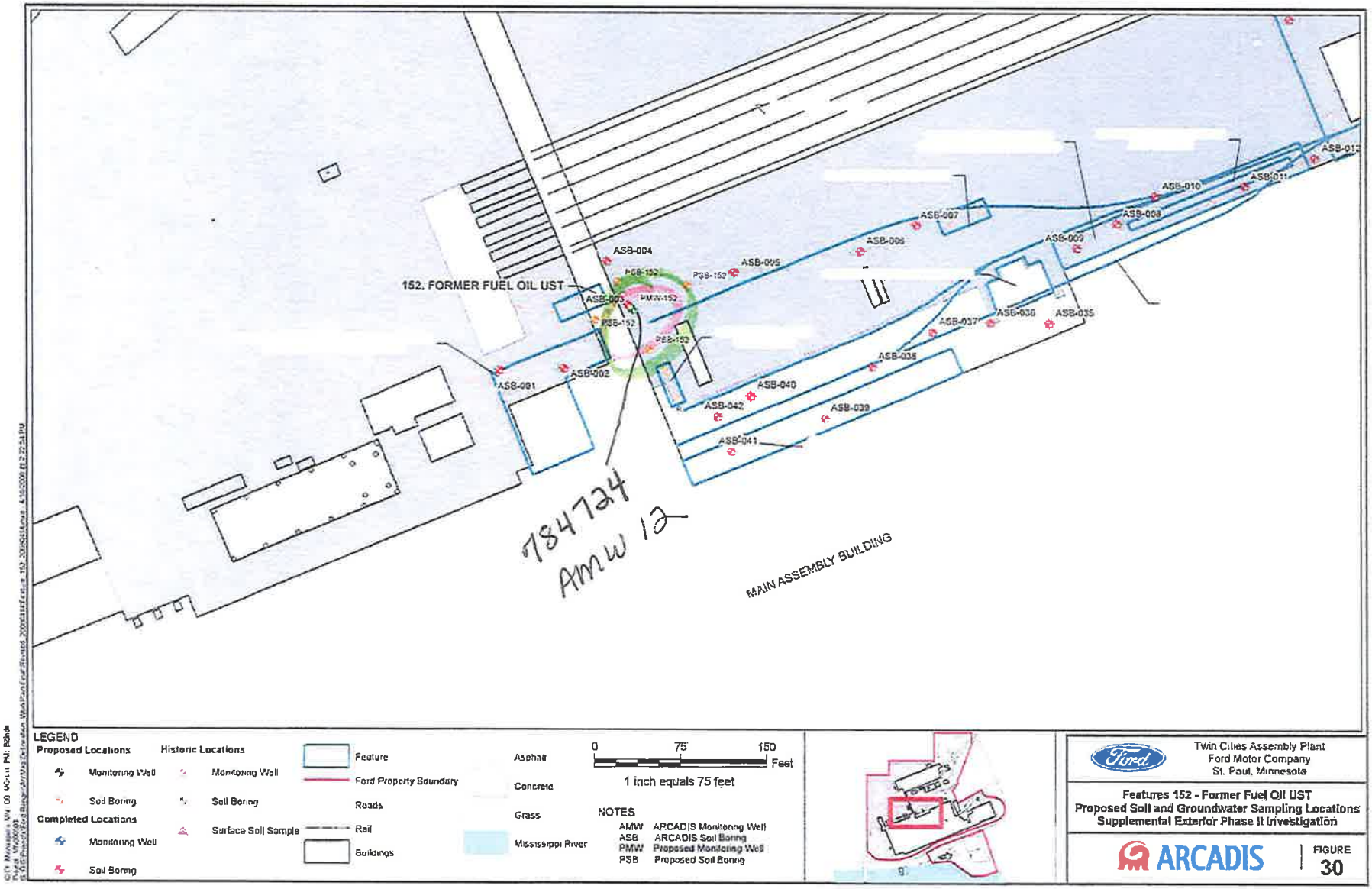
Stevens Drilling & Env. Svc. Inc. 2255
Licensee Business Name — Lic. or Reg. No.

Certified Representative Signature — 556 Certified Rep. No. — 9/26/11 Date

Randy Johnson
Name of Driller

IC 140-0020

HE-01205-12 (Rev. 12/08)



Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Features 152 - Former Fuel Oil UST
Proposed Soil and Groundwater Sampling Locations
Supplemental Exterior Phase II Investigation

ARCADIS | FIGURE 30

WELL

AT-GRADE

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784723

WELL OR BORING LOCATION

County Name: Ramsey

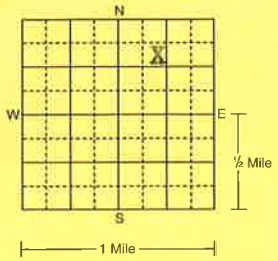
Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	SE, NW, NE

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd St Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X." Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



AMW 13

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.: 966 Mississippi River Blvd St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.:

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
black top			0	1
fill gravel	yellow		1	3
silty sand	gray		3	12

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.:

IMPORTANT - FILE WITH PROPERTY PAPERS WELL OWNER COPY 784723

WELL/BORING DEPTH (completed): 12 ft. DATE WORK COMPLETED: Sept 14, 2011

DRILLING METHOD: [ ] Cable Tool [ ] Driven [ ] Dug [X] Auger [ ] Rotary [ ] Jetted [ ]

DRILLING FLUID: ---

WELL HYDROFRACTURED? [ ] Yes [X] No From ____ ft. To ____ ft.

USE: [ ] Domestic [X] Monitoring [ ] Heating/Cooling [ ] Noncommunity PWS [ ] Environ. Bore Hole [ ] Industry/Commercial [ ] Community PWS [ ] Irrigation [ ] Remedial [ ] Elevator [ ] Dewatering [ ]

CASING MATERIAL: [ ] Steel [X] Plastic Drive Shoe? [ ] Yes [X] No [X] Threaded [ ] Welded [ ]

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 7 ft.	____ lbs./ft.	____	8¼ in. to 12 ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.

SCREEN Make Johnson Type PVC Diam. 2" Slot/Gauze 10 Length 5' Set between 7 ft. and 12 ft. FITTINGS thread

OPEN HOLE From ____ ft. To ____ ft.

STATIC WATER LEVEL 6½ ft. [X] Below [ ] Above land surface Measured from grade Date measured 9/16/11

PUMPING LEVEL (below land surface) ____ ft. after ____ hrs. pumping 3 g.p.m.

WELLHEAD COMPLETION: [ ] Pitless/adapter manufacturer ____ Model ____ [ ] Casing Protection [ ] 12 in. above grade [X] At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION: Well grouted [ ] Yes [X] No Grout materials [ ] Neat cement [ ] Bentonite [ ] Concrete [ ] Other neat cement bent.

From 0	To 2	ft. 1	Yds. [ ]	Bags [X]
From 2	To 5	ft. 1	Yds. [ ]	Bags [X]
From ____	To ____	ft. ____	Yds. [ ]	Bags [ ]
From ____	To ____	ft. ____	Yds. [ ]	Bags [ ]

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? [ ] Yes [X] No

PUMP: [X] Not installed Date installed ____ Manufacturer's name ____ Model Number ____ HP ____ Volts ____ Length of drop pipe ____ ft. Capacity ____ g.p.m. Type: [ ] Submersible [ ] L.S. Turbine [ ] Reciprocating [ ] Jet [ ]

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? [ ] Yes [X] No

VARIANCE: Was a variance granted from the MDH for this well? [ ] Yes [X] No TN# ____

WELL CONTRACTOR CERTIFICATION

This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env. Svc. Inc. 2255

Licensee Business Name Lic. or Reg. No.

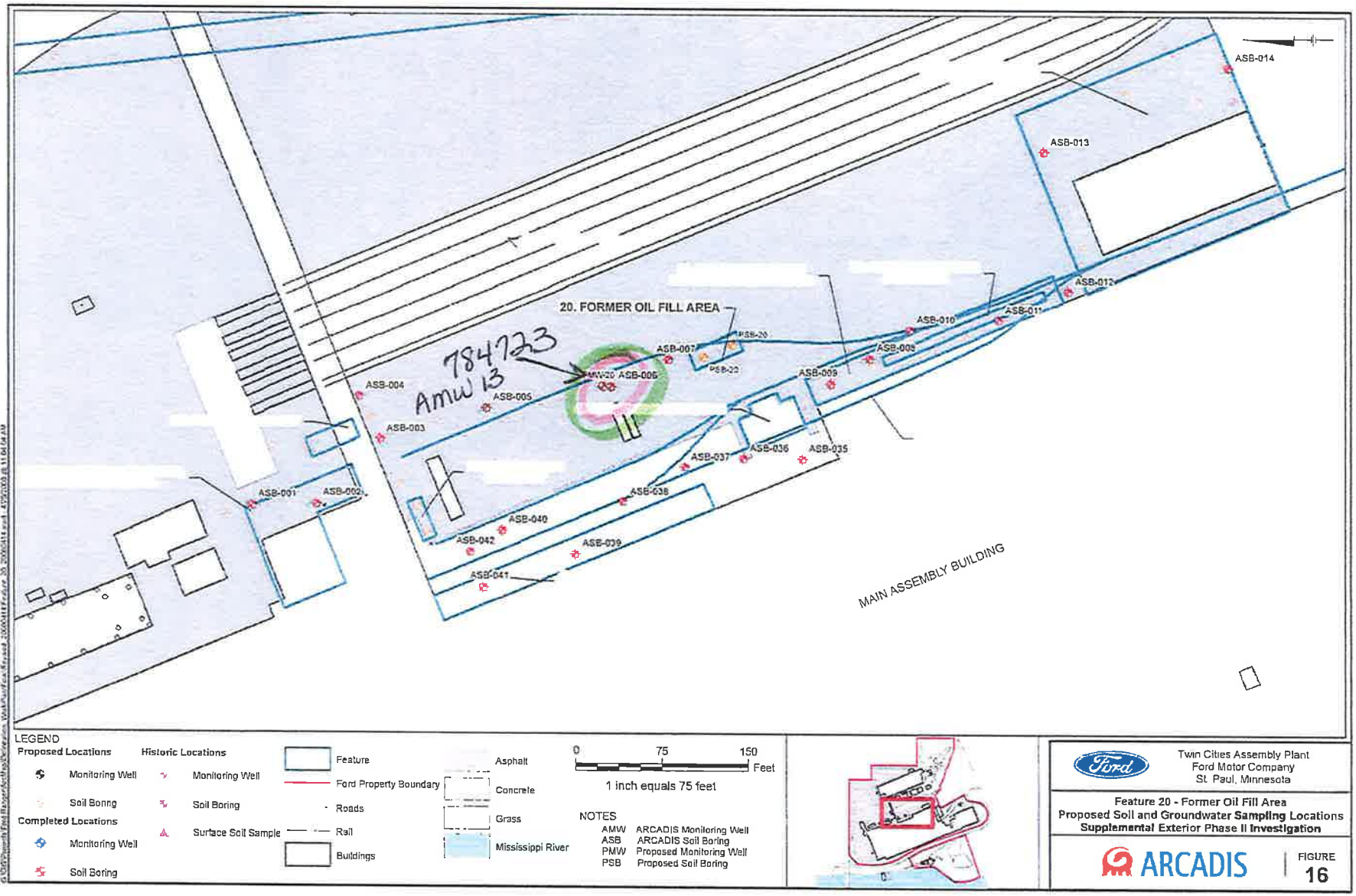
Certified Representative Signature 556 Certified Rep. No. 9/26/11 Date

Randy Johnson

Name of Driller

IC 140-0020

HE-01205-12 (Rev. 12/08)



Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Feature 20 - Former Oil Fill Area
Proposed Soil and Groundwater Sampling Locations
Supplemental Exterior Phase II Investigation

ARCADIS

FIGURE
16

WELL

AT GRADE

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784726

WELL OR BORING LOCATION

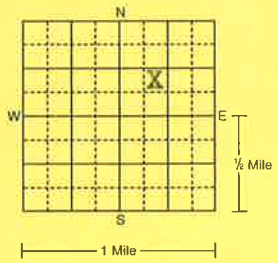
County Name: Ramsey

Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	NE SW NE ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd St. Paul, MN 55116 | or Fire Number

Show exact location of well/boring in section grid with "X". Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



AMW 14

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.
966 Mississippi River Blvd
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
blacktop			0	1
gravel	yellow		1	3
silty sand	gray		3	12

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS WELL OWNER COPY 784726

WELL/BORING DEPTH (completed): 12 ft | DATE WORK COMPLETED: Sept. 14, 2011

DRILLING METHOD: ☐ Cable Tool ☐ Driven ☐ Dug ☒ Auger ☐ Rotary ☐ Jetted ☐ ____

DRILLING FLUID: --- | WELL HYDROFRACTURED? ☐ Yes ☒ No From ____ ft. To ____ ft.

USE: ☐ Domestic ☒ Monitoring ☐ Heating/Cooling ☐ Noncommunity PWS ☐ Environ. Bore Hole ☐ Industry/Commercial ☐ Community PWS ☐ Irrigation ☐ Remedial ☐ Elevator ☐ Dewatering ☐ ____

CASING MATERIAL: ☐ Steel ☐ Plastic | Drive Shoe? ☐ Yes ☒ No ☐ Threaded ☐ Welded ☐ ____

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 7 ft.	____ lbs./ft.	____	8½ in. to 12 ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.

SCREEN: Make Johnson | Type PVC | Diam. 2" | Slot/Gauze 10 | Length 5' | Set between 7 ft. and 12 ft. | FITTINGS thread

OPEN HOLE: From ____ ft. To ____ ft.

STATIC WATER LEVEL: 6' 6" ft. ☒ Below ☐ Above land surface | Measured from grade | Date measured 9/16/11

PUMPING LEVEL (below land surface): ____ ft. after ____ hrs. pumping 4 g.p.m.

WELLHEAD COMPLETION
☐ Pitless/adapter manufacturer ____ Model ____
☐ Casing Protection ____ ☐ 12 in. above grade
☒ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION: Well grouted ☐ Yes ☐ No | Grout materials ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other neat cement bent. 0 3 1 1/2 x

From 3 To 5 ft.	1	☐ Yds.	☒ Bags
From ____ To ____ ft.	____	☐ Yds.	☐ Bags
From ____ To ____ ft.	____	☐ Yds.	☐ Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? ☐ Yes ☒ No

PUMP: ☒ Not installed | Date installed ____
Manufacturer's name ____
Model Number ____ HP ____ Volts ____
Length of drop pipe ____ ft. Capacity ____ g.p.m.
Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ ____

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE: Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# ____

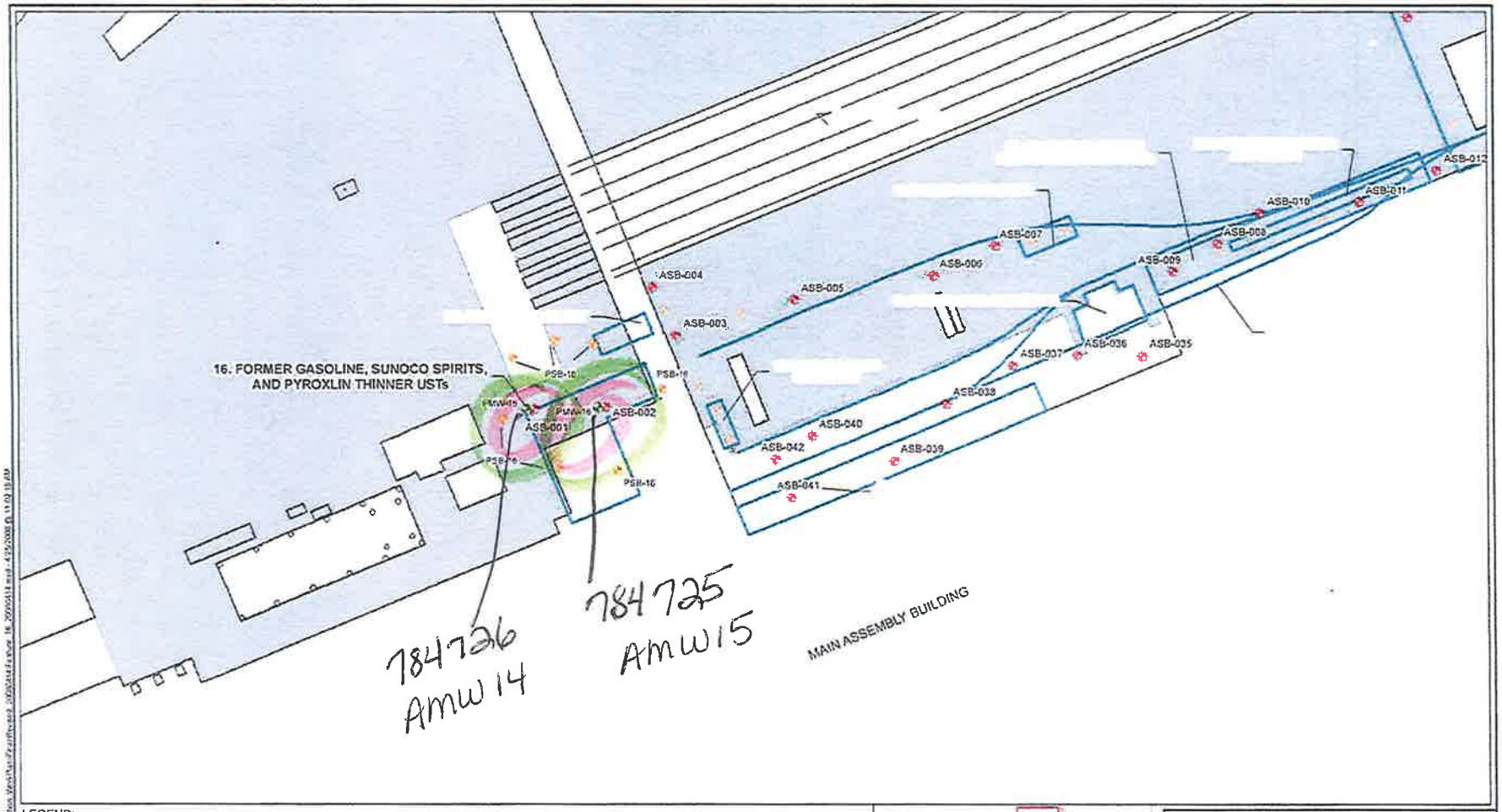
WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env.Svc. Inc. 2255
Licensee Business Name | Lic. or Reg. No.

Certified Representative Signature | 556 Certified Rep. No. | 9/26/11 Date

Randy Johnson
Name of Driller

IC 140-0020 HE-01205-12 (Rev. 12/08)



LEGEND:

Proposed Locations
- Monitoring Well
- Soil Boring

Completed Locations
- Monitoring Well
- Soil Boring

Historic Locations
- Monitoring Well
- Soil Boring
- Surface Soil Sample

- Feature
- Ford Property Boundary
- Roads
- Rail
- Buildings
- Asphalt
- Concrete
- Grass
- Mississippi River

0 75 150 Feet

1 inch equals 75 feet

NOTES:
AMW ARCADIS Monitoring Well
ASB ARCADIS Soil Boring
PMW Proposed Monitoring Well
PSB Proposed Soil Boring

Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Feature 16 - Former Gasoline, Sunoco Spirits, and Pyroxlin Thinner USTs
Proposed Soil and Groundwater Sampling Locations
Supplemental Exterior Phase II Investigation

ARCADIS

FIGURE 15

WELL AT-GRADE

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784725

WELL OR BORING LOCATION

County Name: Ramsey

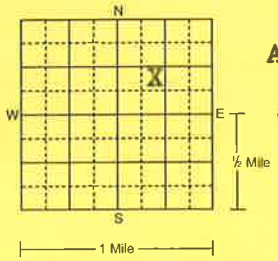
Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	NE SW¼ NE ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd St. Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X."



Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.

AMW 15

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.
966 Mississippi River Blvd
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
blacktop			0	1
gravel	yellow		1	4
silty sand	gray		4	13

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY

784725

WELL/BORING DEPTH (completed): 13 ft.

DATE WORK COMPLETED: Sept. 14, 2011

DRILLING METHOD: ☐ Cable Tool ☐ Driven ☐ Dug ☒ Auger ☐ Rotary ☐ Jetted ☐

DRILLING FLUID: ---

WELL HYDROFRACTURED? ☐ Yes ☒ No From ____ ft. To ____ ft.

USE: ☐ Domestic ☒ Monitoring ☐ Heating/Cooling ☐ Noncommunity PWS ☐ Environ. Bore Hole ☐ Industry/Commercial ☐ Community PWS ☐ Irrigation ☐ Remedial ☐ Elevator ☐ Dewatering ☐ ____

CASING MATERIAL: ☐ Steel ☒ Plastic — Drive Shoe? ☐ Yes ☒ No — ☒ Threaded ☐ Welded ☐ ____

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 8 ft.	____ lbs./ft.	____	8½ in. to 13 ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.

SCREEN — OPEN HOLE From ____ ft. To ____ ft.
Make Johnson
Type PVC Diam. 2"
Slot/Gauze 10 Length 5'
Set between 8 ft. and 13 ft. FITTINGS thread

STATIC WATER LEVEL: 6' 4" ft. ☒ Below ☐ Above land surface Measured from grade Date measured 9/16/11

PUMPING LEVEL (below land surface): ____ ft. after ____ hrs. pumping 4 g.p.m.

WELLHEAD COMPLETION
☐ Pitless/adapter manufacturer ____ Model ____
☐ Casing Protection ☐ 12 in. above grade
☒ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION
Well grouted ☐ Yes ☐ No
Grout materials ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other ____
neat cement bent.

From	To	ft.		
0	4	2	x	☐ Yds. ☐ Bags
4	6	1	x	☐ Yds. ☐ Bags
____	____	____	____	☐ Yds. ☐ Bags
____	____	____	____	☐ Yds. ☐ Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? ☐ Yes ☒ No

PUMP
☒ Not installed Date installed ____
Manufacturer's name ____
Model Number ____ HP ____ Volts ____
Length of drop pipe ____ ft. Capacity ____ g.p.m.
Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ ____

ABANDONED WELLS
Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE
Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# ____

WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

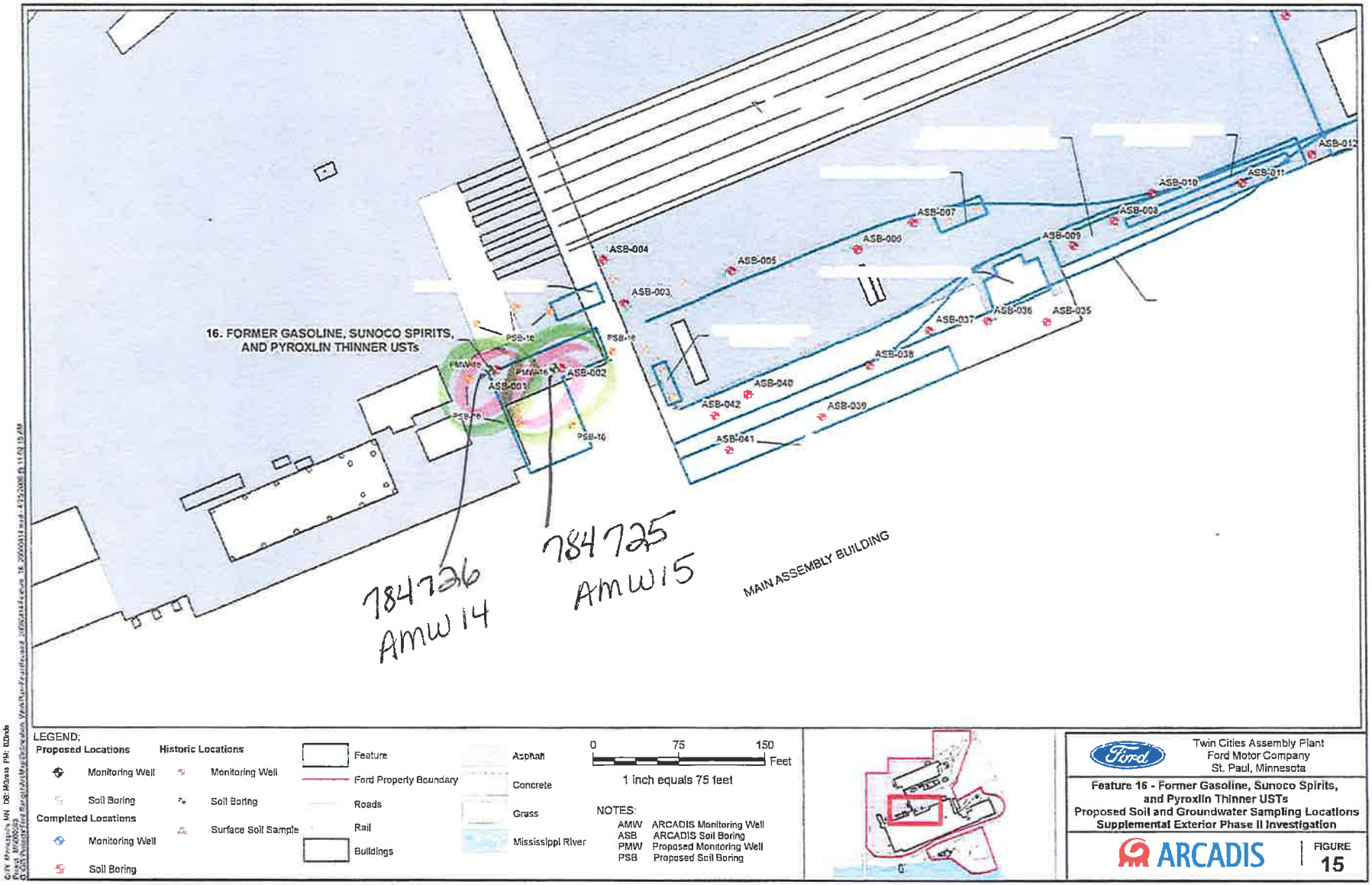
Stevens Drilling & Env. Svc. Inc. 2255
Licensee Business Name — Lic. or Reg. No.

Certified Representative Signature — 556 Certified Rep. No. — 9/16/11 Date

Randy Johnson
Name of Driller

IC 140-0020

HE-01205-12 (Rev. 12/08)



Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Feature 16 - Former Gasoline, Sunoco Spirits, and Pyroxlin Thinner USTs
Proposed Soil and Groundwater Sampling Locations
Supplemental Exterior Phase II Investigation

ARCADIS

FIGURE 15

WELL AT-GRADE

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784721

WELL OR BORING LOCATION

County Name: Ramsey

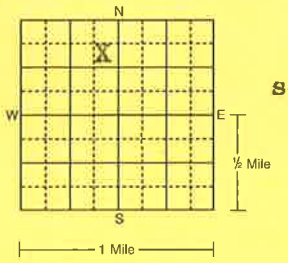
Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	SE ¼ NE ¼ NW ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd, St Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X." Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



AMW 16

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: [redacted] Ford Motor Company

Property owner's mailing address if different than well location address indicated above.
966 Mississippi River Blvd
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
blacktop			0	1
gravel	yellow		1	3
silty sand	gray		3	8

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY 784721

WELL/BORING DEPTH (completed): 8 ft. DATE WORK COMPLETED: Sept 14, 2011

DRILLING METHOD: [x] Auger [ ] Cable Tool [ ] Driven [ ] Dug [ ] Rotary [ ] Jetted

DRILLING FLUID: ---

WELL HYDROFRACTURED? [ ] Yes [x] No From ____ ft. To ____ ft.

USE: [x] Monitoring [ ] Domestic [ ] Noncommunity PWS [ ] Community PWS [ ] Elevator [ ] Environ. Bore Hole [ ] Irrigation [ ] Dewatering [ ] Heating/Cooling [ ] Industry/Commercial [ ] Remedial

CASING MATERIAL: [x] Plastic [ ] Steel
Drive Shoe? [ ] Yes [x] No
[x] Threaded [ ] Welded

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 3 ft.	____ lbs./ft.		8¼ in. to 8 ft.
____ in. to ____ ft.	____ lbs./ft.		____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.		____ in. to ____ ft.

SCREEN: Make Johnson; Type PVC; Slot/Gauze 10; Set between 3 ft. and 8 ft.
OPEN HOLE: From ____ ft. To ____ ft.
Diam. 2"; Length 5'; FITTINGS thread

STATIC WATER LEVEL: 3 ft. [x] Below [ ] Above land surface; Measured from grade; Date measured 9/16/11

PUMPING LEVEL (below land surface): ____ ft. after ____ hrs. pumping 5 g.p.m.

WELLHEAD COMPLETION
[ ] Pitless/adapter manufacturer ____ Model ____
[ ] Casing Protection [ ] 12 in. above grade
[x] At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION
Well grouted [ ] Yes [ ] No
Grout materials [ ] Neat cement [ ] Bentonite [ ] Concrete [ ] Other

neat cement	0	1	1/2	x
bent.	1	2	1/2	[x] Bags
From ____	To ____ ft.		____	[ ] Yds. [ ] Bags
From ____	To ____ ft.		____	[ ] Yds. [ ] Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? [ ] Yes [x] No

PUMP
[x] Not installed Date installed ____
Manufacturer's name ____
Model Number ____ HP ____ Volts ____
Length of drop pipe ____ ft. Capacity ____ g.p.m.
Type: [ ] Submersible [ ] L.S. Turbine [ ] Reciprocating [ ] Jet [ ] ____

ABANDONED WELLS
Does property have any not in use and not sealed well(s)? [ ] Yes [x] No

VARIANCE
Was a variance granted from the MDH for this well? [ ] Yes [x] No TN# ____

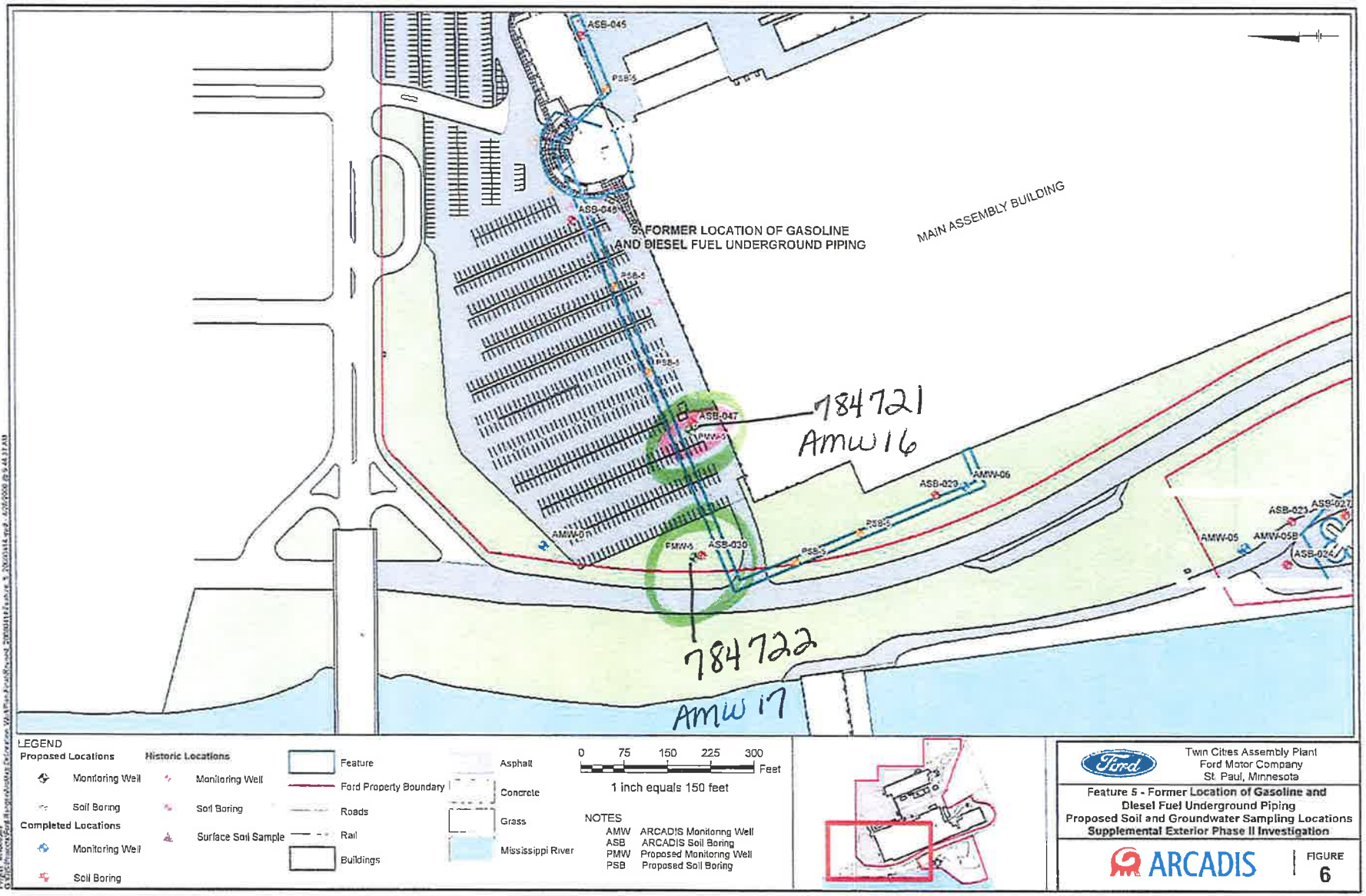
WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env. Svc. Inc. 2255
Licensee Business Name — Lic. or Reg. No.

Certified Representative Signature — 556 — 9/26/11
Certified Rep. No. — Date

Randy Johnson
Name of Driller

IC 140-0020 HE-01205-12 (Rev. 12/08)



AT-GRADE

WELL

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784722

WELL OR BORING LOCATION

County Name: Ramsey

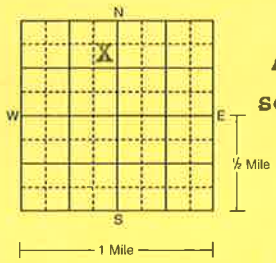
Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	SE ¼ NE ¼ NW ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd St Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X." Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



AMW 17
see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.
966 Mississippi River Blvd
St Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
top soil	black		0	2
silty sand	gray		2	11

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY 784722

WELL/BORING DEPTH (completed): 11 ft. DATE WORK COMPLETED: Sept. 14, 2011

DRILLING METHOD: [X] Cable Tool [X] Auger [ ] Driven [ ] Rotary [ ] Dug [ ] Jetted

DRILLING FLUID: ---

WELL HYDROFRACTURED? [ ] Yes [X] No From ____ ft. To ____ ft.

USE: [ ] Domestic [X] Monitoring [ ] Heating/Cooling [ ] Noncommunity PWS [ ] Environ. Bore Hole [ ] Industry/Commercial [ ] Community PWS [ ] Irrigation [ ] Remedial [ ] Elevator [ ] Dewatering [ ] ____

CASING MATERIAL: [ ] Steel [X] Plastic Drive Shoe? [ ] Yes [X] No [X] Threaded [ ] Welded [ ] ____

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 6 ft.	____ lbs./ft.	____	8¼ in. to 11 ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.
____ in. to ____ ft.	____ lbs./ft.	____	____ in. to ____ ft.

SCREEN Make Johnson Type PVC Slot/Gauze 10 Set between 6 ft. and 11 ft.
OPEN HOLE From ____ ft. To ____ ft.
Diam. 2" Length 5' FITTINGS thread

STATIC WATER LEVEL: 3 ft. [X] Below [ ] Above land surface Measured from grade Date measured 9/16/11

PUMPING LEVEL (below land surface): ____ ft. after ____ hrs. pumping 4 g.p.m.

WELLHEAD COMPLETION
[ ] Pitless/adapter manufacturer ____ Model ____
[X] Casing Protection 6" x 6' [X] 12" above grade
[ ] At-grade (Environmental Well and Boring ONLY) 24"

GROUTING INFORMATION
Well grouted [ ] Yes [ ] No
Grout materials [ ] Neat cement [ ] Bentonite [ ] Concrete [ ] Other ____
neat cement bent.

From 0 To 2 ft.	X			
From 2 To 4 ft.	X	1	[ ] Yds.	[X] Bags
From ____ To ____ ft.		____	[ ] Yds.	[ ] Bags
From ____ To ____ ft.		____	[ ] Yds.	[ ] Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: ____ feet ____ direction ____ type

Well disinfected upon completion? [ ] Yes [X] No

PUMP
[X] Not installed Date installed ____
Manufacturer's name ____
Model Number ____ HP ____ Volts ____
Length of drop pipe ____ ft. Capacity ____ g.p.m.
Type: [ ] Submersible [ ] L.S. Turbine [ ] Reciprocating [ ] Jet [ ] ____

ABANDONED WELLS
Does property have any not in use and not sealed well(s)? [ ] Yes [X] No

VARIANCE
Was a variance granted from the MDH for this well? [ ] Yes [X] No TN# ____

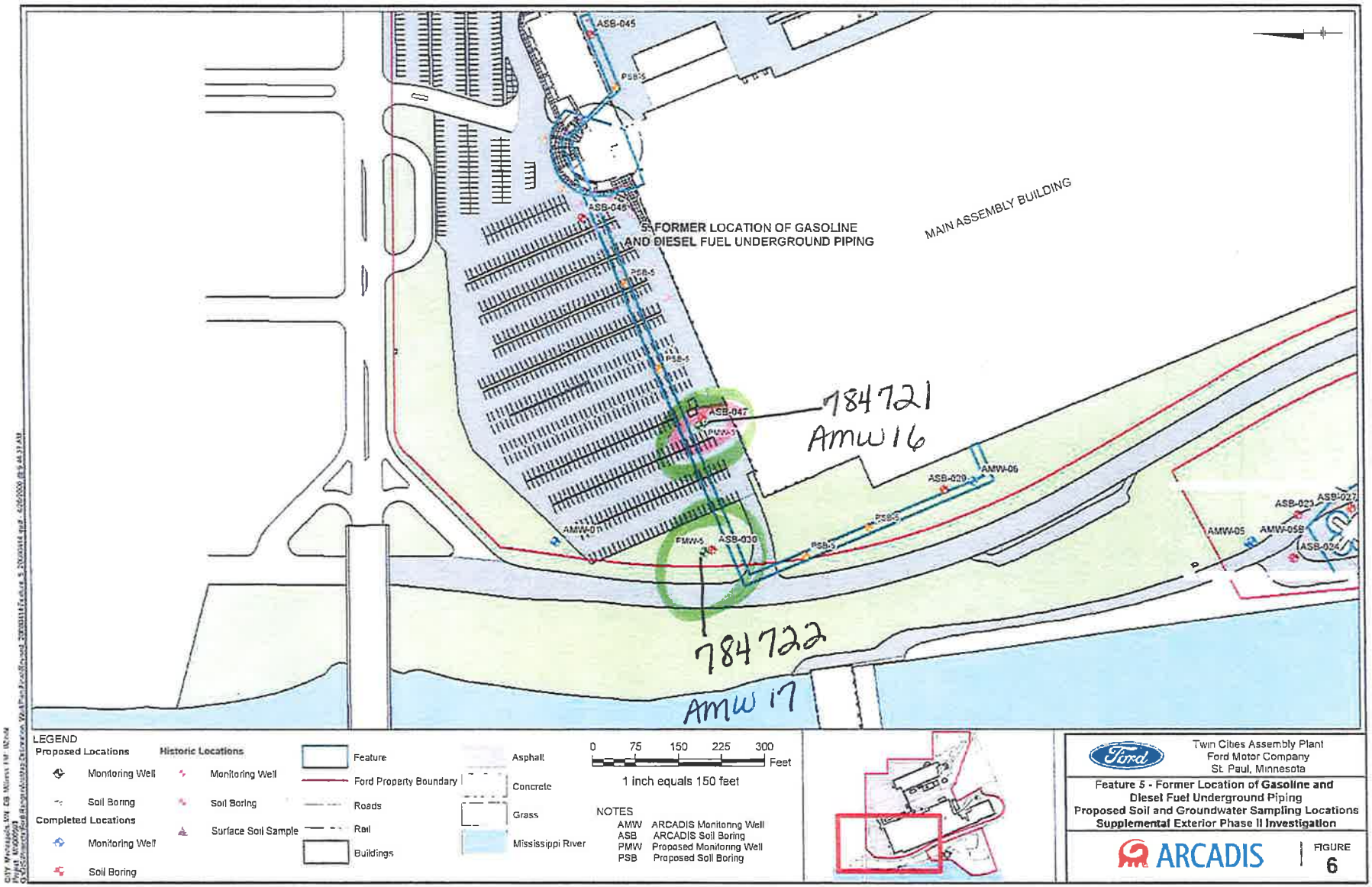
WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env. Svc. Inc. 2255
Licensee Business Name Lic. or Reg. No.

Certified Representative Signature 556 Certified Rep. No. 9/26/11 Date

Randy Johnson
Name of Driller

IC 140-0020 HE-01205-12 (Rev. 12/08)



AT-GRADE WELL

Arcadis / Ford

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 784719

WELL OR BORING LOCATION

County Name: Ramsey

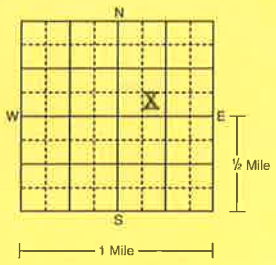
Township Name	Township No.	Range No.	Section No.	Fraction
St. Paul	28N	23W	17	SE ¼ SW ¼ NE ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____
Longitude ____ degrees ____ minutes ____ seconds ____

House Number, Street Name, City, and Zip Code of Well Location: 966 Mississippi River Blvd, St. Paul 55116

or Fire Number:

Show exact location of well/boring in section grid with "X." Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



AMW 18

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME: Ford Motor Company

Property owner's mailing address if different than well location address indicated above.
966 Mississippi River Blvd
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME: Ford Motor Company

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
blacktop & cement			0	1
gravel	yellow		1	4
silty sand	gray		4	14½

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY 784719

WELL/BORING DEPTH (completed): 14 1/2 ft.

DATE WORK COMPLETED: Sept. 15, 2011

DRILLING METHOD: ☐ Cable Tool ☐ Driven ☐ Dug ☒ Auger ☐ Rotary ☐ Jetted ☐ _____

DRILLING FLUID: ----

WELL HYDROFRACTURED? ☐ Yes ☒ No From _____ ft. To _____ ft.

USE: ☐ Domestic ☒ Monitoring ☐ Heating/Cooling ☐ Noncommunity PWS ☐ Environ. Bore Hole ☐ Industry/Commercial ☐ Community PWS ☐ Irrigation ☐ Remedial ☐ Elevator ☐ Dewatering ☐ _____

CASING MATERIAL: ☐ Steel ☒ Plastic
Drive Shoe? ☐ Yes ☒ No ☒ Threaded ☐ Welded ☐ _____

HOLE DIAM.

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to 9 1/2 ft.	_____ lbs./ft.	_____	8¼ in. to 14½ ft.
_____ in. to _____ ft.	_____ lbs./ft.	_____	_____ in. to _____ ft.
_____ in. to _____ ft.	_____ lbs./ft.	_____	_____ in. to _____ ft.

SCREEN
Make Johnson
Type PVC Diam. 2"
Slot/Gauze 10 Length 5'
Set between 9½ ft. and 14½ ft. FITTINGS thread

OPEN HOLE From _____ ft. To _____ ft.

STATIC WATER LEVEL: 11 ft. ☒ Below ☐ Above land surface Measured from grade Date measured 9/16/11

PUMPING LEVEL (below land surface): _____ ft. after _____ hrs. pumping 4 g.p.m.

WELLHEAD COMPLETION
☐ Pitless/adapter manufacturer _____ Model _____
☐ Casing Protection _____ ☐ 12 in. above grade
☒ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION
Well grouted ☐ Yes ☐ No ☒0
Grout materials ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other neat cement bent. x

From 5	To 7 ft.	1	☐ Yds.	☒ Bags
From _____	To _____ ft.	_____	☐ Yds.	☐ Bags
From _____	To _____ ft.	_____	☐ Yds.	☐ Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: _____ feet _____ direction _____ type

Well disinfected upon completion? ☐ Yes ☒ No

PUMP
☒ Not installed Date installed _____
Manufacturer's name _____
Model Number _____ HP _____ Volts _____
Length of drop pipe _____ ft. Capacity _____ g.p.m.
Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ _____

ABANDONED WELLS
Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE
Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# _____

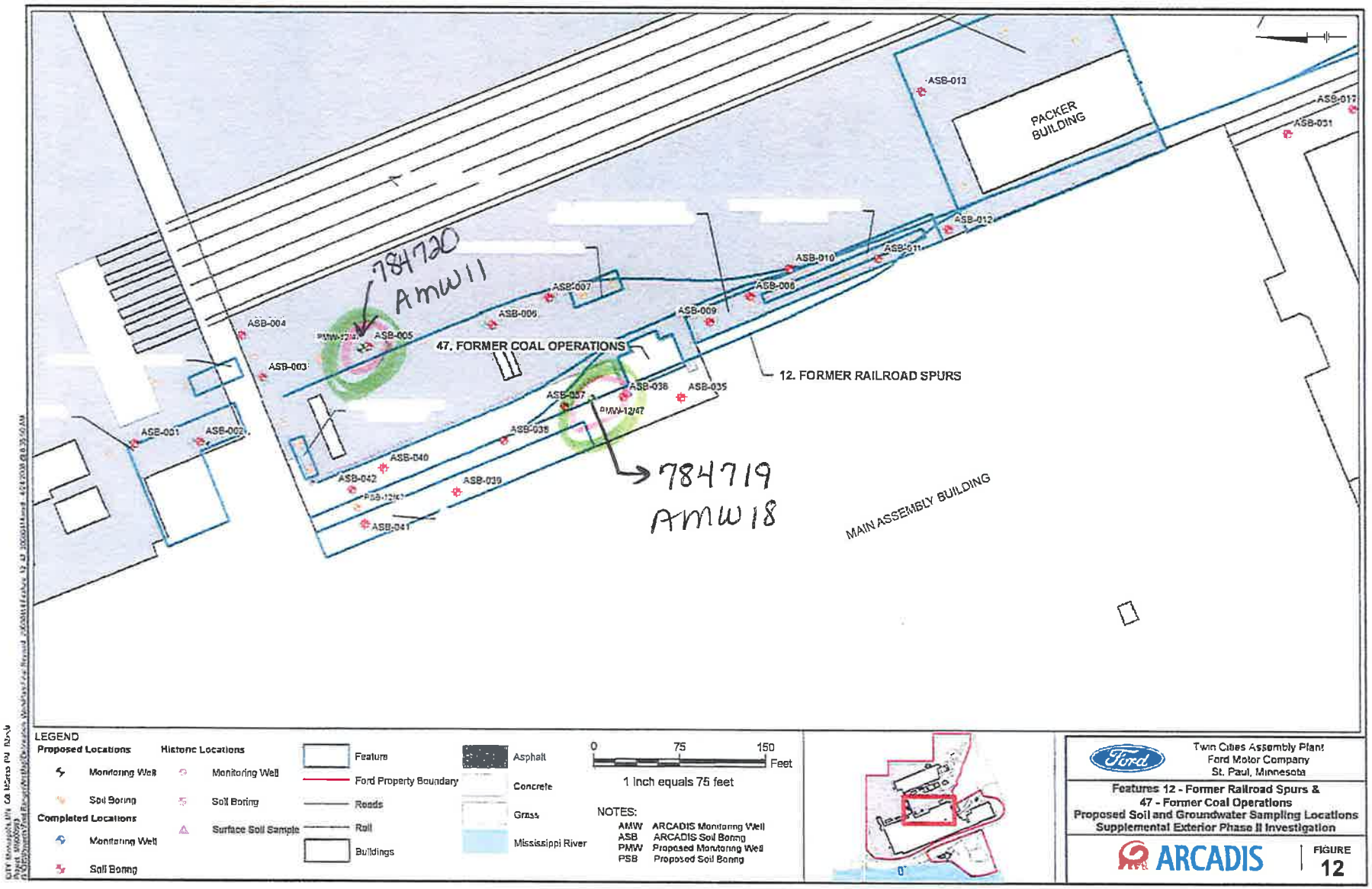
WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env. Svc. Inc. 2255
Licensee Business Name Lic. or Reg. No.

Certified Representative Signature 556 Certified Rep. No. 9/26/11 Date

Randy Johnson
Name of Driller

IC 140-0020 HE-01205-12 (Rev. 12/08)



Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Features 12 - Former Railroad Spurs & 47 - Former Coal Operations
Proposed Soil and Groundwater Sampling Locations
Supplemental Exterior Phase II Investigation

ARCADIS

FIGURE 12

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING SEALING RECORD
Minnesota Statutes, Chapter 103I

Minnesota Well and Boring Sealing No. H 308807
Minnesota Unique Well No. or W-series No. (Leave blank if not known)

WELL OR BORING LOCATION

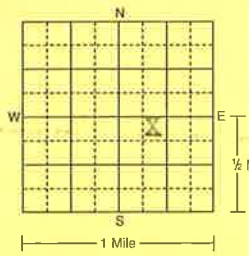
County Name: Ramsey

Township Name	Township No.	Range No.	Section No.	Fraction (sm. → lg.)
St. Paul	28N	23W	17	NE NW SE

GPS LOCATION: Latitude_____ degrees_____ minutes_____ seconds
Longitude_____ degrees_____ minutes_____ seconds

Numerical Street Address or Fire Number and City of Well or Boring Location
966 S Mississippi River Blvd, St. Paul

Show exact location of well or boring in section grid with "X."



Sketch map of well or boring location, showing property lines, roads, and buildings.

ASB - 257

see attached map

PROPERTY OWNER'S NAME/COMPANY NAME
Ford Motor Co

Property owner's mailing address if different than well location address indicated above
966 W Mississippi River Blvd
St. Paul, MN 55116

WELL OWNER'S NAME/COMPANY NAME
FOrd Motor Co.

Well owner's mailing address if different than property owner's address indicated above

GEOLOGICAL MATERIAL	COLOR	HARDNESS OR FORMATION	FROM	TO
If not known, indicate estimated formation log from nearby well or boring.				
ballast			0	1.5
sandy silt	light gray		1.5	4
sandy clay	med gray		4	7
Clay	dark gray		7	8.5

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

IMPORTANT-FILE WITH PROPERTY PAPERS-WELL OWNER COPY

H 308807

Date Sealed: Oct. 30, 2012
Date Well or Boring Constructed: Oct. 29. 2012

Depth Before Sealing: 8.5 ft.
Original Depth: 8.5 ft.

AQUIFER(S)
☒ Single Aquifer ☐ Multiaquifer

WELL/BORING
☐ Water-Supply Well ☐ Monit. Well
☐ Env. Bore Hole ☒ Other temp. mw

STATIC WATER LEVEL
☒ Measured ☐ Estimated Date Measured 10/29/12
5.3 ft. ☒ below ☐ above land surface

CASING TYPE(S)
☐ Steel ☐ Plastic ☐ Tile ☐ Other

WELLHEAD COMPLETION
Outside: ☐ Well House ☐ At Grade ☐ Pitless Adapter/Unit ☐ Buried ☐ Well Pit ☐ Other
Inside: ☐ Basement Offset ☐ Well Pit ☐ Buried ☐ Other

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
_____ in. from _____	to _____ ft.	☐ Yes ☐ No	☐ Yes ☐ No ☐ Unknown
_____ in. from _____	to _____ ft.	☐ Yes ☐ No	☐ Yes ☐ No ☐ Unknown
_____ in. from _____	to _____ ft.	☐ Yes ☐ No	☐ Yes ☐ No ☐ Unknown

SCREEN/OPEN HOLE
Screen from _____ to _____ ft. Open Hole from _____ to _____ ft.

OBSTRUCTIONS
☐ Rods/Drop Pipe ☐ Check Valve(s) ☐ Debris ☐ Fill ☐ No Obstruction
Type of Obstructions (Describe)
Obstructions removed? ☐ Yes ☐ No Describe

PUMP
Type
☐ Removed ☒ Not Present ☐ Other

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:
☐ No Annular Space Exists ☐ Annular Space Grouted with Tremie Pipe ☐ Casing Perforation/Removal
_____ in. from _____ to _____ ft. ☐ Perforated ☐ Removed
_____ in. from _____ to _____ ft. ☐ Perforated ☐ Removed
Type of Perforator
☐ Other

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)
Grouting Material Bentonite from 0 to 8.5 ft. _____ yards 1/2 bags
_____ from _____ to _____ ft. _____ yards _____ bags
_____ from _____ to _____ ft. _____ yards _____ bags

OTHER WELLS AND BORINGS
Other unsealed and unused well or boring on property? ☐ Yes ☒ No How many?

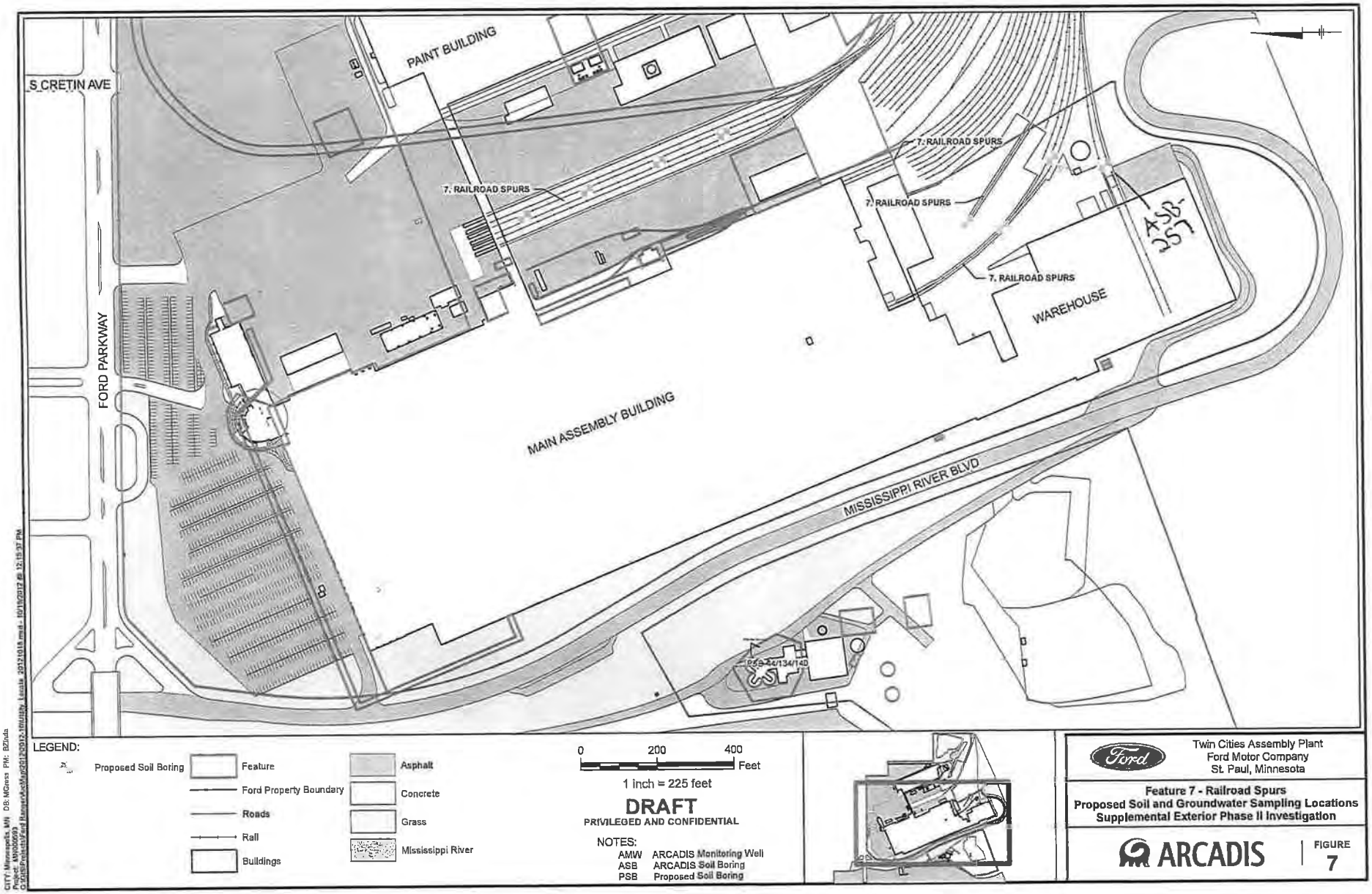
LICENSED OR REGISTERED CONTRACTOR CERTIFICATION
This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Stevens Drilling & Env. Svc. Inc. — 2255
Licensee Business Name — *License or Registration No.*

Certified Representative Signature — 556 *Certified Rep. No.* — 11/13/12 *Date*

John Tokkesdal
Name of Person Sealing Well or Boring

HE-01434-13 IC# 140-0423 5/12R



Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

Feature 7 - Railroad Spurs
Proposed Soil and Groundwater Sampling Locations
Supplemental Exterior Phase II Investigation

ARCADIS

FIGURE 7

CITY: Minneapolis, MN DB: MGross PM: BZinda
Project: MN000093
O:\GIS\Projects\Ford Ranger\Arc\Map\20120912-Inquiry Locals 20121018.mxd - 10/15/2012 @ 12:15:37 PM

Appendix C

Groundwater Sampling Logs

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1 of 1
Site Location	St Paul, MN			Date	10/31/11
Site/Well No.	AMW-11	Replicate No.	DUP-002	Code No.	
Weather	Sunny 50s	Sampling Time:	Begin 1445	End	1515 ST 1455

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	808.86
Land Surface Elevation (ft)	808.99
Sounded Well Depth (ft bmp)	9.59
Depth to Water (ft bmp)	5.79
Water-Level Elevation (ft)	803.07
Water Column in Well (ft)	3.80
Casing Diameter/Type	2" PVC
Gallons in Well	0.608
Gallons Pumped/Bailed Prior to Sampling	3x: 1.824 5x: 3.04
Sample Pump Intake Setting (ft bmp)	N.A.
Purge Time	begin 1436 end 1442
Pumping Rate (gpm)	N.A.
Evacuation Method	bailer

Field Parameters

Color	slightly gray/black
Odor	petrol odor
Appearance	turbid
pH (s.u.)	6.93
Conductivity (mS/cm)	0.859
(µmhos/cm)	
Turbidity (NTU)	~~NM~~ ~~NR~~ 733
Temperature (°C)	12.82
Dissolved Oxygen (mg/L)	~~10.79~~ 11.13
ORP (mV)	-77
Sampling Method	YSI 556
Remarks	

Constituents Sampled	Container Description	Number	Preservative
VOC	40 ml vial	3	HCl
PAH	1 L amber	2	None
Diss. RCRA Metal	500 ml	1	HNO_3
GRO	40 ml vial	2	HCl
DRO	1-L amber	2	HCl

Sampling Personnel ~~ND/TNK~~ JCH

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1 of 1
Site Location	St Paul, MN			Date	11/3/11
Site/Well No.	AMW-12	Replicate No.		Code No.	
Weather	Sunny 40/50s	Sampling Time: Begin	1620	End	1628 ST 1625

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	808.74
Land Surface Elevation (ft)	808.83
Sounded Well Depth (ft bmp)	11.44
Depth to Water (ft bmp)	6.45
Water-Level Elevation (ft)	802.29
Water Column in Well (ft)	4.99
Casing Diameter/Type	2" PVC
Gallons in Well	0.7984
Gallons Pumped/Bailed Prior to Sampling	3x 2.3952 5x 3.992
Sample Pump Intake Setting (ft bmp)	N.A.
Purge Time	begin 1613 end 1618
Pumping Rate (gpm)	N.A.
Evacuation Method	bailer

Field Parameters

Color	—
Odor	petrol
Appearance	—
pH (s.u.)	6.70
Conductivity (mS/cm)	0.989
(µmhos/cm)	
Turbidity (NTU)	762
Temperature (°C)	14.30
Dissolved Oxygen (mg/L)	~~12.25~~ 12.25
ORP (mV)	-86
Sampling Method	YSI 556
Remarks	SI sheen in bail bucket

Constituents Sampled	Container Description	Number	Preservative
VOC	40 ml vial	3	HCl
PAH	1 L amber	2	none
Diss. RCRA Metals	500 ml	1	HNO_3
GRO	40 ml vial	2	HCl
DRO	1 L amber	2	HCl

Sampling Personnel ~~MD/ENK~~ KH

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1	of	1
Site Location	St Paul, MN			Date	10/31/11		
Site/Well No.	AMW-13	Replicate No.		Code No.			
Weather	Sunny 50s	Sampling Time:	Begin 1405	End	1420	ST	1415

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	809.89
Land Surface Elevation (ft)	809.93
Sounded Well Depth (ft bmp)	11.97
Depth to Water (ft bmp)	6.80
Water-Level Elevation (ft)	803.09
Water Column in Well (ft)	5.17
Casing Diameter/Type	2" PVC
Gallons in Well	0.8272
Gallons Pumped/Bailed Prior to Sampling	2.4816 (3x) 4.136 (5x)
Sample Pump Intake Setting (ft bmp)	N.A.
Purge Time	begin 1359 end 1404
Pumping Rate (gpm)	N.A.
Evacuation Method	bailer

Field Parameters

Color	brown
Odor	-
Appearance	turbid
pH (s.u.)	7.21
Conductivity (mS/cm)	1.11
(µmhos/cm)	
Turbidity (NTU)	800+
Temperature (°C)	11.64
Dissolved Oxygen (mg/L)	14.30
ORP (mV)	-32
Sampling Method	YSI 556
Remarks	

Constituents Sampled	Container Description	Number	Preservative
PAH	1 L amber	2	None
Diss RCRA metals	500 mL	1	HNO_3
DRO	1 L amber	2	HCl
GRO	~~40~~ 40 mL vials	3	HCl

Sampling Personnel ~~NDZINK~~ KH

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1 of 1
Site Location	St Paul, MN			Date	11/7/11
Site/Well No.	AMW-14	Replicate No.	—	Code No.	—
Weather	Sunny 50s	Sampling Time:	Begin 1435	End	1525 ST 1500

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	809.57
Land Surface Elevation (ft)	—
Sounded Well Depth (ft bmp)	12.00
Depth to Water (ft bmp)	6.72
Water-Level Elevation (ft)	802.85
Water Column in Well (ft)	5.28
Casing Diameter/Type	2" PVC
Gallons in Well	0.8448
Gallons Pumped/Bailed Prior to Sampling	3x 2.534 5x 4.224
Sample Pump Intake Setting (ft bmp)	N.A.
Purge Time	begin 1428 end 1434
Pumping Rate (gpm)	N.A.
Evacuation Method	bailer

Field Parameters

Color	black
Odor	petrol
Appearance	turbid
pH (s.u.)	7.58
Conductivity (mS/cm)	2.52 ms/cm
(µmhos/cm)	
Turbidity (NTU)	~~>1000~~ 800+
Temperature (°C)	15.17
Dissolved Oxygen (mg/L)	13.27
ORP (mV)	-138
Sampling Method	~~YSI 556~~
Remarks	

Constituents Sampled	Container Description	Number	Preservative
VOC	40 ml vial	3	HCl
PAH	1 L amber	2	none
Diss RCRA Metals	500 ml	1	1+HNO3
GRO	~~1 L amber~~ 40 ml vials	2	1+HCl
DRO	1 L amber	2	1+HCl

Sampling Personnel: ND/TNK

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1 of 1
Site Location	St Paul, MN			Date	11/3/11
Site/Well No.	AMW-15	Replicate No.	—	Code No.	—
Weather	Sunny 50s	Sampling Time:	Begin 1545	End	1603 ST 1600

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	809.84
Land Surface Elevation (ft)	809.91
Sounded Well Depth (ft bmp)	13.05
Depth to Water (ft bmp)	6.70
Water-Level Elevation (ft)	803.14
Water Column in Well (ft)	6.35
Casing Diameter/Type	2" PVC
Gallons in Well	1.016
Gallons Pumped/Bailed Prior to Sampling	3x: 3.048 5x: 5.08
Sample Pump Intake Setting (ft bmp)	N.A.
Purge Time	begin 1548 end 1552
Pumping Rate (gpm)	N.A.
Evacuation Method	bailer

Field Parameters

Color	gray/black
Odor	petrol
Appearance	turbid
pH (s.u.)	7.05
Conductivity (mS/cm)	1.27
(µmhos/cm)	
Turbidity (NTU)	~~NM~~ 337
Temperature (°C)	11.89
Dissolved Oxygen (mg/L)	13.32
ORP (mV)	-123
Sampling Method	~~Y/S/S~~ 6
Remarks	bailed dry, moved to AMW-14
	Resume bailing @ 1530
	bails dry again

Constituents Sampled	Container Description	Number	Preservative
VOC	40 ml vials	3	HCl
PAH	1 L amber	2	none
Diss RCRA Metals	500 ml	1	HNO_3
GRO	40 ml vials	2	HCl
DRO	1 L amber	2	HCl

Sampling Personnel: ND/TNK

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	mililiter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1	of	1
Site Location	St Paul, MN			Date	11/07/11		
Site/Well No.	AMW-16	Replicate No.	—	Code No.	—		
Weather	Sunny 40/50s	Sampling Time:	Begin 1055	End	1108	ST	1100

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	811.94
Land Surface Elevation (ft)	812.16
Sounded Well Depth (ft bmp)	10.66
Depth to Water (ft bmp)	5.60
Water-Level Elevation (ft)	806.34
Water Column in Well (ft)	5.06
Casing Diameter/Type	2" PVC
Gallons in Well	0.8096
Gallons Pumped/Bailed Prior to Sampling	7x 2.4288 / 5x 4.048
Sample Pump Intake Setting (ft bmp)	N.A
Purge Time	begin 1045 end 1052
Pumping Rate (gpm)	N.A
Evacuation Method	bailer

Field Parameters

Color	black
Odor	petrol
Appearance	turbid
pH (s.u.)	7.59
Conductivity (mS/cm)	0.338
(µmhos/cm)	
Turbidity (NTU)	800+
Temperature (°C)	15.12
Dissolved Oxygen (mg/L)	13.71
ORP (mV)	-122
Sampling Method	YSI 556
Remarks	

Constituents Sampled	Container Description	Number	Preservative
VOCs	40 mL vial	3	HCl
PAH	1-L amber	2	None
Dissolved Lead	500 mL	1	HNO3
GRO	40-mL vial	2	HCl
DRO	1-L amber	2	HCl

Sampling Personnel ~~BOEERTK~~ KH

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1	of	1
Site Location	St Paul, MN			Date	11/7/11		
Site/Well No.	AMW-17	Replicate No.	—	Code No.	—		
Weather	Sunny 50s	Sampling Time:	Begin 1202	End	1223	ST	1220

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	811.04
Land Surface Elevation (ft)	808.90
Sounded Well Depth (ft bmp)	9.89
Depth to Water (ft bmp)	5.85
Water-Level Elevation (ft)	805.19
Water Column in Well (ft)	4.04
Casing Diameter/Type	2" PVC
Gallons in Well	0.6464
Gallons Pumped/Bailed Prior to Sampling	3x 1.94 5x 3.23
Sample Pump Intake Setting (ft bmp)	N.A.
Purge Time	begin 1125 end 1202
Pumping Rate (gpm)	N.A
Evacuation Method	bailer

Field Parameters

Color	brown
Odor	slightly petrol
Appearance	turbid
pH (s.u.)	7.16
Conductivity (mS/cm)	1.08
(µmhos/cm)	
Turbidity (NTU)	458
Temperature (°C)	11.99
Dissolved Oxygen (mg/L)	6.05
ORP (mV)	-101
Sampling Method	YSI 556
Remarks	bailed dry, recovers relatively quickly

Constituents Sampled	Container Description	Number	Preservative
VOCs	40 mL vial	3	HCl
PAH	1-L amber	2	None
Diss. Lead	500 mL	1	HNO3
GRO	40 mL vial	2	HCl
DRO	1-L amber	2	HCl

Sampling Personnel ~~ND/TNK~~ KH

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

ARCADIS

Water Sampling Log

Project	Ford TCAP	Project No.	DE000440	Page	1 of 1
Site Location	St Paul, MN			Date	10/31/11
Site/Well No.	AMW-18	Replicate No.	N.A.	Code No.	—
Weather	Sunny 50s	Sampling Time:	Begin 1320	End	1340 ST 1335

Evacuation Data

Measuring Point	TOC
MP Elevation (ft)	812.70
Land Surface Elevation (ft)	812.83
Sounded Well Depth (ft bmp)	14.48
Depth to Water (ft bmp)	10.24
Water-Level Elevation (ft)	802.46
Water Column in Well (ft)	4.24
Casing Diameter/Type	2" PVC
Gallons in Well	0.6784
Gallons Pumped/Bailed Prior to Sampling	3x 2.035 5x 3.392
Sample Pump Intake Setting (ft bmp)	NA
Purge Time	begin 1320 end 1325
Pumping Rate (gpm)	NA
Evacuation Method	Bailer

Field Parameters

Color	brown
Odor	slight
Appearance	turbid
pH (s.u.)	6.89
Conductivity (mS/cm)	0.597
(µmhos/cm)	
Turbidity (NTU)	800+
Temperature (°C)	12.13
Dissolved Oxygen (mg/L)	14.90
ORP (mV)	114
Sampling Method	YSI 556
Remarks	

Constituents Sampled	Container Description	Number	Preservative
VOC	40 ml vial	3	HCl
PAH	1-L amber	2	None
Diss. RCRA metals	500 ml	1	HNO_3
GRO	40 ml vial	2	HCl
DRO	1-L amber	2	HCl

Sampling Personnel ~~NB/TNR~~ KH

Well Casing Volumes

Gal./Ft.				
	1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Milisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Miligrams per liter	NR	Not Recorded	VOC	Volatile Organic Compounds
		NM	Not Measured		

Appendix D

Laboratory Analytical Reports

September 19, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3199-1
Sample date: 2011-08-22 2011-08-23
Report received by Enovis: 2011-09-16
Initial Data Verification completed by Enovis: 2011-09-19

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

8 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results for Soil samples have been reported on a dry weight basis.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 13470 had detections below the RL for naphthalene and tetrahydrofuran. Client samples -001 and -003 naphthalene results and client samples -001, -002, -003 and -004 tetrahydrofuran results should all be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC LCS recovery for QC batch 13470 tetrahydrofuran was outside of laboratory control limits biased high. This result has been qualified as non-detect at the RL with a UB flag due to associated method blank detections so no further qualification was required based on this high bias QC outlier.

GCMS VOC, GRO and DRO QC batch MS recovery data was not reported due to insufficient sample volume available to perform these matrix specific batch QC analyses.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low for 1 out of 3 acid fraction surrogates in client samples -001 and -006. Since no acid fraction analytes were on the TAL for these samples qualification of client sample results was not required based on the surrogate recovery outliers.

GCMS SVOC MSD recovery and MS/MSD RPD performed on client sample -005 was outside of laboratory control limits with the recovery biased low for dibenzo(a,h)anthracene (note: MS/MSD RPD reported as NC, but would have been an outlier if calculated from MS and MSD data). Client sample -005 result for this analyte should be considered to be estimated and qualified with a UJ flag.

GRO sample -004 was not analyzed due to insufficient methanol available for the sample mass present in the container.

DRO LCS recovery only was an outlier biased low for the QC batch. The LCSduplicate and LCS/LCSD RPD were acceptable so qualification of client sample results was not applied based on the LCS recovery outlier alone.

Metals method blank had a detection below the RL in QC batch 13406 for barium. Qualification of client sample results was not required based on this method blank detection.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantify target analytes for client samples -001 and -006 PNA results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3199-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401356713	ASB-115_2-4(20110822)	8/22/2011	12:55:00	X						
2401356714	ASB-115_4-6(20110822)	8/22/2011	1:30:00	X						
2401356715	ASB-116_4-6(20110822)	8/22/2011	4:30:00	X						
2401356716	ASB-116_6-8(20110822)	8/22/2011	4:50:00	X						
2401356929	ASB-117_0-2(20110823)	8/23/2011	9:15:00							X
2401356932	ASB-116_4-6(20110822)	8/22/2011	4:30:00							X
2401356933	ASB-115_4-6(20110822)	8/22/2011	1:30:00							X
2401356934	ASB-115_2-4(20110822)	8/22/2011	12:55:00							X
2401356935	ASB-117_2-4(20110823)	8/23/2011	9:00:00							X
2401356936	ASB-118_5-7(20110823)	8/23/2011	1:15:00							X
2401356937	ASB-118_2-4(20110823)	8/23/2011	1:45:00							X
2401356938	ASB-116_6-8(20110822)	8/22/2011	4:50:00							X
2401359610	ASB-116_4-6(20110822)	8/22/2011	4:30:00					X		
2401359611	ASB-116_6-8(20110822)	8/22/2011	4:50:00					X		
2401359612	ASB-117_2-4(20110823)	8/23/2011	9:00:00					X		
2401359613	ASB-117_0-2(20110823)	8/23/2011	9:15:00					X		
2401359614	ASB-118_5-7(20110823)	8/23/2011	1:15:00					X		
2401359615	ASB-118_2-4(20110823)	8/23/2011	1:45:00					X		
240135968	ASB-115_2-4(20110822)	8/22/2011	12:55:00					X		
240135969	ASB-115_4-6(20110822)	8/22/2011	1:30:00					X		
2401361011	ASB-115_2-4(20110822)	8/22/2011	12:55:00			X				
2401361012	ASB-115_4-6(20110822)	8/22/2011	1:30:00			X				
2401361015	ASB-116_4-6(20110822)	8/22/2011	4:30:00			X				
2401361016	ASB-116_6-8(20110822)	8/22/2011	4:50:00			X				
2401361017	ASB-117_2-4(20110823)	8/23/2011	9:00:00			X				
2401361018	ASB-117_0-2(20110823)	8/23/2011	9:15:00			X				
2401361019	ASB-118_5-7(20110823)	8/23/2011	1:15:00			X				
2401361020	ASB-118_2-4(20110823)	8/23/2011	1:45:00			X				
2401368519	ASB-117_0-2(20110823)	8/23/2011	9:15:00						X	
2401368523	ASB-116_4-6(20110822)	8/22/2011	4:30:00						X	
2401368524	ASB-115_4-6(20110822)	8/22/2011	1:30:00						X	
2401368525	ASB-115_2-4(20110822)	8/22/2011	12:55:00						X	
2401368526	ASB-117_2-4(20110823)	8/23/2011	9:00:00						X	
2401368529	ASB-118_5-7(20110823)	8/23/2011	1:15:00						X	
2401368530	ASB-118_2-4(20110823)	8/23/2011	1:45:00						X	
2401368531	ASB-116_6-8(20110822)	8/22/2011	4:50:00						X	
2401376813	ASB-115_4-6(20110822)	8/22/2011	1:30:00		X					
2401376814	ASB-116_4-6(20110822)	8/22/2011	4:30:00		X					
2401376815	ASB-116_6-8(20110822)	8/22/2011	4:50:00		X					
2401376816	ASB-117_2-4(20110823)	8/23/2011	9:00:00		X					
2401376819	ASB-118_5-7(20110823)	8/23/2011	1:15:00		X					
2401376820	ASB-118_2-4(20110823)	8/23/2011	1:45:00		X					
2401376830	ASB-117_0-2(20110823)	8/23/2011	9:15:00		X					
2401376831	ASB-115_2-4(20110822)	8/22/2011	12:55:00		X					
2401421918	ASB-115_2-4(20110822)	8/22/2011	12:55:00				X			
2401421919	ASB-115_4-6(20110822)	8/22/2011	1:30:00				X			
2401421920	ASB-116_4-6(20110822)	8/22/2011	4:30:00				X			

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:	ASB-115_2-4(20110822)					ASB-115_4-6(20110822)					ASB-116_4-6(20110822)					ASB-116_6-8(20110822)					ASB-117_2-4(20110823)				
	Lab Sample ID:	2401356713					2401356714					2401356715					2401356716					2401376816				
	Sample Date:	8/22/2011					8/22/2011					8/22/2011					8/22/2011					8/23/2011				
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	
GC/MS VOC																										
OSW-8260B																										
Naphthalene	91-20-3	16	270	ug/kg	UB							11	250	ug/kg	UB											
Tetrahydrofuran	109-99-9	110	1100	ug/kg	UB		110	1100	ug/kg	UB		98	990	ug/kg	UB		150	1400	ug/kg	UB						
GC/MS SVOC																										
OSW-8270C																										
Dibenz(a,h)anthracene	53-70-3																					ND	400	ug/kg	UJ	

GCMS VOC method blank for QC batch 13470 had detections below the RL for naphthalene and tetrahydrofuran. Client samples -001 and -003 naphthalene results and client samples -001, -002, -003 and -004 tetrahydrofuran results should all be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MSD recovery and MS/MSD RPD performed on client sample -005 was outside of laboratory control limits with the recovery biased low for dibenzo(a,h)anthracene (note: MS/MSD RPD reported as NC, but would have been an outlier if calculated from MS and MSD data). Client sample -005 result for this analyte should be considered to be estimated and qualified with a UJ flag.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:	ASB-115_2-4(20110822)				ASB-115_4-6(20110822)				ASB-116_4-6(20110822)				ASB-116_6-8(20110822)			
	Lab Sample ID:	2401356713				2401356714				2401356715				2401356716			
	Sample Date:	8/22/2011				8/22/2011				8/22/2011				8/22/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																	
OSW-8260B																	
1,1,1,2-Tetrachloroethane	630-20-6	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	24	270	ug/kg	J	9.0	270	ug/kg	J	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	540	ug/kg	---	ND	540	ug/kg	---	ND	490	ug/kg	---	ND	690	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	270	ug/kg	---	ND	270	ug/kg	---	12	250	ug/kg	J	ND	350	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	10	270	ug/kg	J	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	990	ug/kg	---	ND	1400	ug/kg	---
2-Chlorotoluene	95-49-8	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	990	ug/kg	---	ND	1400	ug/kg	---
4-Chlorotoluene	106-43-4	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	990	ug/kg	---	ND	1400	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	990	ug/kg	---	ND	1400	ug/kg	---
Allyl chloride	107-05-1	ND	540	ug/kg	---	ND	540	ug/kg	---	ND	490	ug/kg	---	ND	690	ug/kg	---
Benzene	71-43-2	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Bromobenzene	108-86-1	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Bromochloromethane	74-97-5	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Bromodichloromethane	75-27-4	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Bromoform	75-25-2	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Bromomethane	74-83-9	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Carbon disulfide	75-15-0	ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

		Sample Name:	ASB-115_2-4(20110822)				ASB-115_4-6(20110822)				ASB-116_4-6(20110822)				ASB-116_6-8(20110822)			
		Lab Sample ID:	2401356713				2401356714				2401356715				2401356716			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011				8/22/2011			
				Report		Valid		Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
Carbon tetrachloride	56-23-5		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Chlorobenzene	108-90-7		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Chlorodibromomethane	124-48-1		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Chloroethane	75-00-3		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Chloroform	67-66-3		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Chloromethane	74-87-3		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Cyclohexane	110-82-7		ND	540	ug/kg	---	50	540	ug/kg	J	55	490	ug/kg	J	ND	690	ug/kg	---
Dibromomethane	74-95-3		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	540	ug/kg	---	ND	540	ug/kg	---	ND	490	ug/kg	---	ND	690	ug/kg	---
Ethyl ether	60-29-7		ND	540	ug/kg	---	ND	540	ug/kg	---	ND	490	ug/kg	---	ND	690	ug/kg	---
Ethylbenzene	100-41-4		7.1	270	ug/kg	J	ND	270	ug/kg	---	12	250	ug/kg	J	ND	350	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Isopropylbenzene	98-82-8		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
m-Xylene & p-Xylene	179601-23-1		60	540	ug/kg	J	22	540	ug/kg	J	10	490	ug/kg	J	ND	690	ug/kg	---
Methyl acetate	79-20-9		69	540	ug/kg	J	95	540	ug/kg	J	94	490	ug/kg	J	ND	690	ug/kg	---
Methyl tert butyl ether	1634-04-4		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	990	ug/kg	---	ND	1400	ug/kg	---
Methylcyclohexane	108-87-2		33	540	ug/kg	J	32	540	ug/kg	J	35	490	ug/kg	J	ND	690	ug/kg	---
Methylene Chloride	75-09-2		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	120	350	ug/kg	J
n-Butylbenzene	104-51-8		ND	270	ug/kg	---	ND	270	ug/kg	---	11	250	ug/kg	J	ND	350	ug/kg	---
N-Propylbenzene	103-65-1		ND	270	ug/kg	---	ND	270	ug/kg	---	24	250	ug/kg	J	ND	350	ug/kg	---
Naphthalene	91-20-3		16	270	ug/kg	UB	ND	270	ug/kg	---	11	250	ug/kg	UB	ND	350	ug/kg	---
o-Xylene	95-47-6		14	270	ug/kg	J	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
p-Isopropyltoluene	99-87-6		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
sec-Butylbenzene	135-98-8		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Styrene	100-42-5		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
tert-Butylbenzene	98-06-6		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Tetrachloroethene	127-18-4		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Tetrahydrofuran	109-99-9		110	1100	ug/kg	UB	110	1100	ug/kg	UB	98	990	ug/kg	UB	150	1400	ug/kg	UB
Toluene	108-88-3		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
trans-1,2-Dichloroethene	156-60-5		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Trichloroethene	79-01-6		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Trichlorofluoromethane	75-69-4		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---
Vinyl chloride	75-01-4		ND	270	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	350	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:		ASB-117_0-2(20110823)				ASB-116_4-6(20110822)				ASB-115_4-6(20110822)				ASB-115_2-4(20110822)			
	Lab Sample ID:		2401356929				2401356932				2401356933				2401356934			
	Sample Date:		8/23/2011				8/22/2011				8/22/2011				8/22/2011			
Analyte		**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC																		
	PUBL-SW-140																	
	WI Gasoline Range Organics (C6-C10)	E-1005																
GC Other																		
	PUBL-SW-141																	
	WI Diesel Range Organics (C10-C28)	E-1004																
Metals																		
	OSW-6010B																	
	Arsenic	7440-38-2																
	Barium	7440-39-3																
	Cadmium	7440-43-9																
	Chromium	7440-47-3																
	Lead	7439-92-1																
	Selenium	7782-49-2																
	Silver	7440-22-4																
	OSW-7471A																	
	Mercury	7439-97-6	0.030	0.11	mg/kg	J	0.014	0.079	mg/kg	J	0.022	0.096	mg/kg	J	0.023	0.11	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:	ASB-117_2-4(20110823)					ASB-118_5-7(20110823)					ASB-118_2-4(20110823)					ASB-116_6-8(20110822)			
	Lab Sample ID:	2401356935					2401356936					2401356937					2401356938			
	Sample Date:	8/23/2011					8/23/2011					8/23/2011					8/22/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC																				
PUBL-SW-140																				
WI Gasoline Range Organics (C6-C10)	E-1005																			
GC Other																				
PUBL-SW-141																				
WI Diesel Range Organics (C10-C28)	E-1004																			
Metals																				
OSW-6010B																				
Arsenic	7440-38-2																			
Barium	7440-39-3																			
Cadmium	7440-43-9																			
Chromium	7440-47-3																			
Lead	7439-92-1																			
Selenium	7782-49-2																			
Silver	7440-22-4																			
OSW-7471A																				
Mercury	7439-97-6	0.022	0.080	mg/kg	J		0.019	0.092	mg/kg	J		0.023	0.099	mg/kg	J		0.024	0.085	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:		ASB-116_4-6(20110822)				ASB-116_6-8(20110822)				ASB-117_2-4(20110823)				ASB-117_0-2(20110823)			
	Lab Sample ID:		2401359610				2401359611				2401359612				2401359613			
	Sample Date:		8/22/2011				8/22/2011				8/23/2011				8/23/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC																	
PUBL-SW-140																	
WI Gasoline Range Organics (C6-C10)	E-1005																
GC Other																	
PUBL-SW-141																	
WI Diesel Range Organics (C10-C28)	E-1004	ND	8.8	mg/kg	---	ND	9.9	mg/kg	---	ND	10	mg/kg	---	ND	9.5	mg/kg	---
Metals																	
OSW-6010B																	
Arsenic	7440-38-2																
Barium	7440-39-3																
Cadmium	7440-43-9																
Chromium	7440-47-3																
Lead	7439-92-1																
Selenium	7782-49-2																
Silver	7440-22-4																
OSW-7471A																	
Mercury	7439-97-6																

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:		ASB-118_5-7(20110823)				ASB-118_2-4(20110823)				ASB-115_2-4(20110822)				ASB-115_4-6(20110822)			
	Lab Sample ID:		2401359614				2401359615				240135968				240135969			
	Sample Date:		8/23/2011				8/23/2011				8/22/2011				8/22/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC																	
PUBL-SW-140																	
WI Gasoline Range Organics (C6-C10)	E-1005																
GC Other																	
PUBL-SW-141																	
WI Diesel Range Organics (C10-C28)	E-1004	ND	10	mg/kg	---	ND	9.5	mg/kg	---	ND	11	mg/kg	---	ND	11	mg/kg	---
Metals																	
OSW-6010B																	
Arsenic	7440-38-2																
Barium	7440-39-3																
Cadmium	7440-43-9																
Chromium	7440-47-3																
Lead	7439-92-1																
Selenium	7782-49-2																
Silver	7440-22-4																
OSW-7471A																	
Mercury	7439-97-6																

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

		Sample Name:	ASB-115_2-4(20110822)				ASB-115_4-6(20110822)				ASB-116_4-6(20110822)				ASB-116_6-8(20110822)			
		Lab Sample ID:	2401361011				2401361012				2401361015				2401361016			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011				8/22/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC																		
OSW-8270C																		
2-Methylnaphthalene	91-57-6																	
Acenaphthene	83-32-9																	
Acenaphthylene	208-96-8																	
Anthracene	120-12-7																	
Benzo[a]anthracene	56-55-3																	
Benzo[a]pyrene	50-32-8																	
Benzo[b]fluoranthene	205-99-2																	
Benzo[g,h,i]perylene	191-24-2																	
Benzo[k]fluoranthene	207-08-9																	
Chrysene	218-01-9																	
Dibenz(a,h)anthracene	53-70-3																	
Fluoranthene	206-44-0																	
Fluorene	86-73-7																	
Indeno[1,2,3-cd]pyrene	193-39-5																	
Naphthalene	91-20-3																	
Phenanthrene	85-01-8																	
Pyrene	129-00-0																	
Pest & PCB																		
OSW-8082																		
Aroclor-1016	12674-11-2		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---
Aroclor-1221	11104-28-2		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---
Aroclor-1232	11141-16-5		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---
Aroclor-1242	53469-21-9		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---
Aroclor-1248	12672-29-6		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---
Aroclor-1254	11097-69-1		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---
Aroclor-1260	11096-82-5		ND	39	ug/kg	---	ND	41	ug/kg	---	ND	38	ug/kg	---	ND	39	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:	ASB-117_2-4(20110823)				ASB-117_0-2(20110823)				ASB-118_5-7(20110823)				ASB-118_2-4(20110823)			
	Lab Sample ID:	2401361017				2401361018				2401361019				2401361020			
	Sample Date:	8/23/2011				8/23/2011				8/23/2011				8/23/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC																	
OSW-8270C																	
2-Methylnaphthalene	91-57-6																
Acenaphthene	83-32-9																
Acenaphthylene	208-96-8																
Anthracene	120-12-7																
Benzo[a]anthracene	56-55-3																
Benzo[a]pyrene	50-32-8																
Benzo[b]fluoranthene	205-99-2																
Benzo[g,h,i]perylene	191-24-2																
Benzo[k]fluoranthene	207-08-9																
Chrysene	218-01-9																
Dibenz(a,h)anthracene	53-70-3																
Fluoranthene	206-44-0																
Fluorene	86-73-7																
Indeno[1,2,3-cd]pyrene	193-39-5																
Naphthalene	91-20-3																
Phenanthrene	85-01-8																
Pyrene	129-00-0																
Pest & PCB																	
OSW-8082																	
Aroclor-1016	12674-11-2	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---
Aroclor-1221	11104-28-2	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---
Aroclor-1232	11141-16-5	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---
Aroclor-1242	53469-21-9	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---
Aroclor-1248	12672-29-6	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---
Aroclor-1254	11097-69-1	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---
Aroclor-1260	11096-82-5	ND	40	ug/kg	---	ND	37	ug/kg	---	ND	40	ug/kg	---	ND	38	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:		ASB-117_0-2(20110823)				ASB-116_4-6(20110822)				ASB-115_4-6(20110822)				ASB-115_2-4(20110822)			
	Lab Sample ID:		2401368519				2401368523				2401368524				2401368525			
	Sample Date:		8/23/2011				8/22/2011				8/22/2011				8/22/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC																	
PUBL-SW-140																	
WI Gasoline Range Organics (C6-C10)	E-1005																
GC Other																	
PUBL-SW-141																	
WI Diesel Range Organics (C10-C28)	E-1004																
Metals																	
OSW-6010B																	
Arsenic	7440-38-2	4.1	1.0	mg/kg	---	4.4	1.1	mg/kg	---	3.5	1.2	mg/kg	---	5.7	1.1	mg/kg	---
Barium	7440-39-3	35	21	mg/kg	---	61	22	mg/kg	---	54	24	mg/kg	---	51	22	mg/kg	---
Cadmium	7440-43-9	0.10	0.21	mg/kg	J	0.097	0.22	mg/kg	J	ND	0.24	mg/kg	---	ND	0.22	mg/kg	---
Chromium	7440-47-3	15	0.52	mg/kg	---	14	0.56	mg/kg	---	18	0.59	mg/kg	---	16	0.56	mg/kg	---
Lead	7439-92-1	7.1	0.31	mg/kg	---	4.2	0.34	mg/kg	---	5.5	0.35	mg/kg	---	5.5	0.34	mg/kg	---
Selenium	7782-49-2	0.74	0.52	mg/kg	---	ND	0.56	mg/kg	---	0.69	0.59	mg/kg	---	0.55	0.56	mg/kg	J
Silver	7440-22-4	ND	0.52	mg/kg	---	ND	0.56	mg/kg	---	0.27	0.59	mg/kg	J	ND	0.56	mg/kg	---
OSW-7471A																	
Mercury	7439-97-6																

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

	Sample Name:		ASB-117_2-4(20110823)				ASB-118_5-7(20110823)				ASB-118_2-4(20110823)				ASB-116_6-8(20110822)			
	Lab Sample ID:		2401368526				2401368529				2401368530				2401368531			
	Sample Date:		8/23/2011				8/23/2011				8/23/2011				8/22/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC																	
PUBL-SW-140																	
WI Gasoline Range Organics (C6-C10)	E-1005																
GC Other																	
PUBL-SW-141																	
WI Diesel Range Organics (C10-C28)	E-1004																
Metals																	
OSW-6010B																	
Arsenic	7440-38-2	2.5	1.1	mg/kg	---	4.0	1.1	mg/kg	---	3.8	1.1	mg/kg	---	3.5	1.1	mg/kg	---
Barium	7440-39-3	64	22	mg/kg	---	78	23	mg/kg	---	69	22	mg/kg	---	25	23	mg/kg	---
Cadmium	7440-43-9	0.079	0.22	mg/kg	J	ND	0.23	mg/kg	---	0.039	0.22	mg/kg	J	ND	0.23	mg/kg	---
Chromium	7440-47-3	13	0.55	mg/kg	---	15	0.57	mg/kg	---	17	0.55	mg/kg	---	17	0.57	mg/kg	---
Lead	7439-92-1	6.6	0.33	mg/kg	---	11	0.34	mg/kg	---	5.3	0.33	mg/kg	---	5.6	0.34	mg/kg	---
Selenium	7782-49-2	0.84	0.55	mg/kg	---	2.2	0.57	mg/kg	---	ND	0.55	mg/kg	---	ND	0.57	mg/kg	---
Silver	7440-22-4	ND	0.55	mg/kg	---	ND	0.57	mg/kg	---	ND	0.55	mg/kg	---	ND	0.57	mg/kg	---
OSW-7471A																	
Mercury	7439-97-6																

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

		Sample Name:	ASB-115_4-6(20110822)				ASB-116_4-6(20110822)				ASB-116_6-8(20110822)				ASB-117_2-4(20110823)			
		Lab Sample ID:	2401376813				2401376814				2401376815				2401376816			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011				8/23/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC																		
OSW-8270C																		
2-Methylnaphthalene	91-57-6		ND	410	ug/kg	---	15	380	ug/kg	J	ND	390	ug/kg	---	ND	400	ug/kg	---
Acenaphthene	83-32-9		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Acenaphthylene	208-96-8		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Anthracene	120-12-7		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Benzo[a]anthracene	56-55-3		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Benzo[a]pyrene	50-32-8		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Benzo[b]fluoranthene	205-99-2		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Benzo[g,h,i]perylene	191-24-2		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Benzo[k]fluoranthene	207-08-9		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Chrysene	218-01-9		14	410	ug/kg	J	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Dibenz(a,h)anthracene	53-70-3		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	UJ
Fluoranthene	206-44-0		31	410	ug/kg	J	ND	380	ug/kg	---	ND	390	ug/kg	---	8.9	400	ug/kg	J
Fluorene	86-73-7		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Naphthalene	91-20-3		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Phenanthrene	85-01-8		29	410	ug/kg	J	ND	380	ug/kg	---	ND	390	ug/kg	---	ND	400	ug/kg	---
Pyrene	129-00-0		23	410	ug/kg	J	ND	380	ug/kg	---	ND	390	ug/kg	---	6.9	400	ug/kg	J
Pest & PCB																		
OSW-8082																		
Aroclor-1016	12674-11-2																	
Aroclor-1221	11104-28-2																	
Aroclor-1232	11141-16-5																	
Aroclor-1242	53469-21-9																	
Aroclor-1248	12672-29-6																	
Aroclor-1254	11097-69-1																	
Aroclor-1260	11096-82-5																	

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

		Sample Name:	ASB-118_5-7(20110823)				ASB-118_2-4(20110823)				ASB-117_0-2(20110823)				ASB-115_2-4(20110822)			
		Lab Sample ID:	2401376819				2401376820				2401376830				2401376831			
		Sample Date:	8/23/2011				8/23/2011				8/23/2011				8/22/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC																		
OSW-8270C																		
	2-Methylnaphthalene	91-57-6	ND	400	ug/kg	---	ND	380	ug/kg	---	65	1800	ug/kg	J	ND	1900	ug/kg	---
	Acenaphthene	83-32-9	ND	400	ug/kg	---	ND	380	ug/kg	---	ND	1800	ug/kg	---	ND	1900	ug/kg	---
	Acenaphthylene	208-96-8	ND	400	ug/kg	---	ND	380	ug/kg	---	24	1800	ug/kg	J	ND	1900	ug/kg	---
	Anthracene	120-12-7	ND	400	ug/kg	---	ND	380	ug/kg	---	30	1800	ug/kg	J	23	1900	ug/kg	J
	Benzo[a]anthracene	56-55-3	8.6	400	ug/kg	J	ND	380	ug/kg	---	70	1800	ug/kg	J	33	1900	ug/kg	J
	Benzo[a]pyrene	50-32-8	9.3	400	ug/kg	J	ND	380	ug/kg	---	63	1800	ug/kg	J	ND	1900	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	12	400	ug/kg	J	ND	380	ug/kg	---	92	1800	ug/kg	J	25	1900	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	ND	400	ug/kg	---	ND	380	ug/kg	---	ND	1800	ug/kg	---	ND	1900	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	6.8	400	ug/kg	J	ND	380	ug/kg	---	50	1800	ug/kg	J	ND	1900	ug/kg	---
	Chrysene	218-01-9	12	400	ug/kg	J	ND	380	ug/kg	---	98	1800	ug/kg	J	59	1900	ug/kg	J
	Dibenz(a,h)anthracene	53-70-3	ND	400	ug/kg	---	ND	380	ug/kg	---	ND	1800	ug/kg	---	ND	1900	ug/kg	---
	Fluoranthene	206-44-0	18	400	ug/kg	J	ND	380	ug/kg	---	150	1800	ug/kg	J	93	1900	ug/kg	J
	Fluorene	86-73-7	ND	400	ug/kg	---	ND	380	ug/kg	---	ND	1800	ug/kg	---	ND	1900	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	400	ug/kg	---	ND	380	ug/kg	---	ND	1800	ug/kg	---	ND	1900	ug/kg	---
	Naphthalene	91-20-3	ND	400	ug/kg	---	ND	380	ug/kg	---	25	1800	ug/kg	J	ND	1900	ug/kg	---
	Phenanthrene	85-01-8	9.3	400	ug/kg	J	ND	380	ug/kg	---	83	1800	ug/kg	J	87	1900	ug/kg	J
	Pyrene	129-00-0	15	400	ug/kg	J	ND	380	ug/kg	---	110	1800	ug/kg	J	66	1900	ug/kg	J
Pest & PCB																		
OSW-8082																		
	Aroclor-1016	12674-11-2																
	Aroclor-1221	11104-28-2																
	Aroclor-1232	11141-16-5																
	Aroclor-1242	53469-21-9																
	Aroclor-1248	12672-29-6																
	Aroclor-1254	11097-69-1																
	Aroclor-1260	11096-82-5																

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3199-1

		Sample Name:	ASB-115_2-4(20110822)				ASB-115_4-6(20110822)				ASB-116_4-6(20110822)			
		Lab Sample ID:	2401421918				2401421919				2401421920			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005	2.8	12	mg/kg	J	12	12	mg/kg	---	7.1	11	mg/kg	J
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Arsenic	7440-38-2												
	Barium	7440-39-3												
	Cadmium	7440-43-9												
	Chromium	7440-47-3												
	Lead	7439-92-1												
	Selenium	7782-49-2												
	Silver	7440-22-4												
	OSW-7471A													
	Mercury	7439-97-6												

September 19, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3250-1
Sample date: 2011-08-22 2011-08-23
Report received by Enovis: 2011-09-15
Initial Data Verification completed by Enovis: 2011-09-19

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) and 1 water trip blank were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had detections below the RL for methylene chloride. Client sample -001 methylene chloride results should be considered to be non-detect at the RL and qualified with a UB flag.

PCB LCS recovery for QC batch 13476 was not prepped per project specifications and the re-prep for the LCS as well as the client sample were performed outside of the EPA recommended hold time. The client sample -001 PCB results are considered to be estimated and are qualified with UJ flags.

GCMS SVOC, PCB, GRO and DRO QC batch MS recovery data was not reported due to insufficient sample volume available to perform these matrix specific batch QC analyses.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low for 1 out of 3 base-neutral fraction surrogates in client sample -001. Qualification of client sample results was not required based on this surrogate recovery outlier alone.

GCMS VOC QC batch MS recovery outliers were not performed on sample from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

GCMS VOC and GRO samples -001 were received at a pH greater than 2. Client sample -001 GRO and GCMS VOC results are considered to be estimated and qualified with J flags if detected and UJ flags if non-detect.

DRO method blank for QC batch 13555 had a detection below the RL. Qualification of client sample results was not required based on this method blank detection.

PCB surrogate recoveries were outside of laboratory control limits biased low for 1 out of 2 surrogates in client sample -001. Qualification of client sample results was not required based on this surrogate recovery outlier alone.

Metals method blank had a detection below the RL in QC batch 13582 for barium. Qualification of client sample results was not required based on this method blank detection.

GCMS VOC trip blank was non-detect for all target analytes.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantify target analytes for client sample -001 GCMS VOC, GCMS SVOC, DRO and GRO results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3250-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Dissolved Metals	Mercury (Manual Cold Vapor)(D)
2401383815	ASB-115_4-9(20110822)	8/22/2011	12:40:00						X	
240141688	ASB-115_4-9(20110822)	8/22/2011	12:40:00				X			
2401433110	ASB-115_4-9(20110822)	8/22/2011	12:40:00	X						
240143319	TB-001(20110823)	8/23/2011	12:00:00	X						
2401437419	ASB-115_4-9(20110822)	8/22/2011	12:40:00		X					
2401446332	ASB-115_4-9(20110822)	8/22/2011	12:40:00							X
240146267	ASB-115_4-9(20110822)	8/22/2011	12:40:00					X		
2401474414	ASB-115_4-9(20110822)	8/22/2011	12:40:00			X				

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	ASB-115_4-9(20110822)				ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	240141688				2401433110				2401474414			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6						ND	250	ug/l	UJ				
1,1,1-Trichloroethane	71-55-6						ND	250	ug/l	UJ				
1,1,2,2-Tetrachloroethane	79-34-5						ND	250	ug/l	UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1						ND	250	ug/l	UJ				
1,1,2-Trichloroethane	79-00-5						ND	250	ug/l	UJ				
1,1-Dichloroethane	75-34-3						ND	250	ug/l	UJ				
1,1-Dichloroethene	75-35-4						ND	250	ug/l	UJ				
1,1-Dichloropropene	563-58-6						ND	250	ug/l	UJ				
1,2,3-Trichlorobenzene	87-61-6						ND	250	ug/l	UJ				
1,2,3-Trichloropropane	96-18-4						ND	250	ug/l	UJ				
1,2,4-Trichlorobenzene	120-82-1						ND	250	ug/l	UJ				
1,2-Dibromo-3-Chloropropane	96-12-8						ND	500	ug/l	UJ				
1,2-Dibromoethane	106-93-4						ND	250	ug/l	UJ				
1,2-Dichlorobenzene	95-50-1						ND	250	ug/l	UJ				
1,2-Dichloroethane	107-06-2						ND	250	ug/l	UJ				
1,2-Dichloropropane	78-87-5						ND	250	ug/l	UJ				
1,3-Dichlorobenzene	541-73-1						ND	250	ug/l	UJ				
1,3-Dichloropropane	142-28-9						ND	250	ug/l	UJ				
1,4-Dichlorobenzene	106-46-7						ND	250	ug/l	UJ				
2,2-Dichloropropane	594-20-7						ND	250	ug/l	UJ				
2-Butanone (MEK)	78-93-3						ND	2500	ug/l	UJ				
2-Chlorotoluene	95-49-8						ND	250	ug/l	UJ				
2-Hexanone	591-78-6						ND	2500	ug/l	UJ				
4-Chlorotoluene	106-43-4						ND	250	ug/l	UJ				
4-Methyl-2-pentanone (MIBK)	108-10-1						ND	1300	ug/l	UJ				
Acetone	67-64-1						ND	2500	ug/l	UJ				
Allyl chloride	107-05-1						ND	500	ug/l	UJ				
Benzene	71-43-2						6200	250	ug/l	J				
Bromobenzene	108-86-1						ND	250	ug/l	UJ				
Bromochloromethane	74-97-5						ND	250	ug/l	UJ				
Bromodichloromethane	75-27-4						ND	250	ug/l	UJ				
Bromoform	75-25-2						ND	250	ug/l	UJ				
Bromomethane	74-83-9						ND	250	ug/l	UJ				
Carbon disulfide	75-15-0						ND	250	ug/l	UJ				
Carbon tetrachloride	56-23-5						ND	250	ug/l	UJ				
Chlorobenzene	108-90-7						ND	250	ug/l	UJ				
Chlorodibromomethane	124-48-1						ND	250	ug/l	UJ				
Chloroethane	75-00-3						ND	250	ug/l	UJ				
Chloroform	67-66-3						ND	250	ug/l	UJ				
Chloromethane	74-87-3						ND	250	ug/l	UJ				
cis-1,2-Dichloroethene	156-59-2						ND	250	ug/l	UJ				
cis-1,3-Dichloropropene	10061-01-5						ND	250	ug/l	UJ				
Cyclohexane	110-82-7						480	250	ug/l	J				
Dibromomethane	74-95-3						ND	250	ug/l	UJ				
Dichlorodifluoromethane	75-71-8						ND	250	ug/l	UJ				
Dichlorofluoromethane	75-43-4						ND	250	ug/l	UJ				
Ethyl ether	60-29-7						ND	250	ug/l	UJ				
Ethylbenzene	100-41-4						770	250	ug/l	J				
Hexachlorobutadiene	87-68-3						ND	250	ug/l	UJ				
Methyl acetate	79-20-9						ND	2500	ug/l	UJ				
Methyl tert butyl ether	1634-04-4						ND	500	ug/l	UJ				
Methylene Chloride	75-09-2						120	250	ug/l	UB				
n-Butylbenzene	104-51-8						ND	250	ug/l	UJ				
N-Propylbenzene	103-65-1						360	250	ug/l	UJ				
Naphthalene	91-20-3						ND	250	ug/l	UJ				
o-Xylene	95-47-6						ND	250	ug/l	UJ				
p-Isopropyltoluene	99-87-6						ND	250	ug/l	UJ				
sec-Butylbenzene	135-98-8						ND	250	ug/l	UJ				
Styrene	100-42-5						ND	250	ug/l	UJ				
tert-Butylbenzene	98-06-6						ND	250	ug/l	UJ				
Tetrachloroethene	127-18-4						ND	250	ug/l	UJ				
Tetrahydrofuran	109-99-9						ND	1300	ug/l	UJ				
Toluene	108-88-3						ND	250	ug/l	UJ				
trans-1,2-Dichloroethene	156-60-5						ND	250	ug/l	UJ				
trans-1,3-Dichloropropene	10061-02-6						ND	250	ug/l	UJ				
Trichloroethene	79-01-6						ND	250	ug/l	UJ				
Trichlorofluoromethane	75-69-4						ND	250	ug/l	UJ				
Vinyl chloride	75-01-4						ND	250	ug/l	UJ				

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	ASB-115_4-9(20110822)				ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	240141688				2401433110				2401474414			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2									ND	0.20	ug/l	UJ
	Aroclor-1221	11104-28-2									ND	0.20	ug/l	UJ
	Aroclor-1232	11141-16-5									ND	0.20	ug/l	UJ
	Aroclor-1242	53469-21-9									ND	0.20	ug/l	UJ
	Aroclor-1248	12672-29-6									ND	0.20	ug/l	UJ
	Aroclor-1254	11097-69-1									ND	0.20	ug/l	UJ
	Aroclor-1260	11096-82-5									ND	0.20	ug/l	UJ
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005	24000	5000	ug/l	UJ								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	ASB-115_4-9(20110822)				ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	2401383815				240141688				2401433110			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6										ND	250	ug/l	UJ
1,1,1-Trichloroethane	71-55-6										ND	250	ug/l	UJ
1,1,2,2-Tetrachloroethane	79-34-5										ND	250	ug/l	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1										ND	250	ug/l	UJ
1,1,2-Trichloroethane	79-00-5										ND	250	ug/l	UJ
1,1-Dichloroethane	75-34-3										ND	250	ug/l	UJ
1,1-Dichloroethene	75-35-4										ND	250	ug/l	UJ
1,1-Dichloropropene	563-58-6										ND	250	ug/l	UJ
1,2,3-Trichlorobenzene	87-61-6										ND	250	ug/l	UJ
1,2,3-Trichloropropane	96-18-4										ND	250	ug/l	UJ
1,2,4-Trichlorobenzene	120-82-1										ND	250	ug/l	UJ
1,2,4-Trimethylbenzene	95-63-6										30	250	ug/l	J
1,2-Dibromo-3-Chloropropane	96-12-8										ND	500	ug/l	UJ
1,2-Dibromoethane	106-93-4										ND	250	ug/l	UJ
1,2-Dichlorobenzene	95-50-1										ND	250	ug/l	UJ
1,2-Dichloroethane	107-06-2										ND	250	ug/l	UJ
1,2-Dichloropropane	78-87-5										ND	250	ug/l	UJ
1,3,5-Trimethylbenzene	108-67-8										29	250	ug/l	J
1,3-Dichlorobenzene	541-73-1										ND	250	ug/l	UJ
1,3-Dichloropropane	142-28-9										ND	250	ug/l	UJ
1,4-Dichlorobenzene	106-46-7										ND	250	ug/l	UJ
2,2-Dichloropropane	594-20-7										ND	250	ug/l	UJ
2-Butanone (MEK)	78-93-3										ND	2500	ug/l	UJ
2-Chlorotoluene	95-49-8										ND	250	ug/l	UJ
2-Hexanone	591-78-6										ND	2500	ug/l	UJ
4-Chlorotoluene	106-43-4										ND	250	ug/l	UJ
4-Methyl-2-pentanone (MIBK)	108-10-1										ND	1300	ug/l	UJ
Acetone	67-64-1										ND	2500	ug/l	UJ
Allyl chloride	107-05-1										ND	500	ug/l	UJ
Benzene	71-43-2										6200	250	ug/l	J
Bromobenzene	108-86-1										ND	250	ug/l	UJ
Bromochloromethane	74-97-5										ND	250	ug/l	UJ
Bromodichloromethane	75-27-4										ND	250	ug/l	UJ
Bromoform	75-25-2										ND	250	ug/l	UJ
Bromomethane	74-83-9										ND	250	ug/l	UJ
Carbon disulfide	75-15-0										ND	250	ug/l	UJ
Carbon tetrachloride	56-23-5										ND	250	ug/l	UJ
Chlorobenzene	108-90-7										ND	250	ug/l	UJ
Chlorodibromomethane	124-48-1										ND	250	ug/l	UJ
Chloroethane	75-00-3										ND	250	ug/l	UJ
Chloroform	67-66-3										ND	250	ug/l	UJ
Chloromethane	74-87-3										ND	250	ug/l	UJ
cis-1,2-Dichloroethene	156-59-2										ND	250	ug/l	UJ
cis-1,3-Dichloropropene	10061-01-5										ND	250	ug/l	UJ
Cyclohexane	110-82-7										480	250	ug/l	J
Dibromomethane	74-95-3										ND	250	ug/l	UJ
Dichlorodifluoromethane	75-71-8										ND	250	ug/l	UJ
Dichlorofluoromethane	75-43-4										ND	250	ug/l	UJ
Ethyl ether	60-29-7										ND	250	ug/l	UJ
Ethylbenzene	100-41-4										770	250	ug/l	J
Hexachlorobutadiene	87-68-3										ND	250	ug/l	UJ
Isopropylbenzene	98-82-8										79	250	ug/l	J
m-Xylene & p-Xylene	179601-23-1										140	500	ug/l	J
Methyl acetate	79-20-9										ND	2500	ug/l	UJ
Methyl tert butyl ether	1634-04-4										ND	500	ug/l	UJ
Methylcyclohexane	108-87-2										150	250	ug/l	J
Methylene Chloride	75-09-2										120	250	ug/l	UB
n-Butylbenzene	104-51-8										ND	250	ug/l	UJ
N-Propylbenzene	103-65-1										360	250	ug/l	UJ
Naphthalene	91-20-3										ND	250	ug/l	UJ
o-Xylene	95-47-6										ND	250	ug/l	UJ
p-Isopropyltoluene	99-87-6										ND	250	ug/l	UJ
sec-Butylbenzene	135-98-8										ND	250	ug/l	UJ
Styrene	100-42-5										ND	250	ug/l	UJ
tert-Butylbenzene	98-06-6										ND	250	ug/l	UJ
Tetrachloroethene	127-18-4										ND	250	ug/l	UJ
Tetrahydrofuran	109-99-9										ND	1300	ug/l	UJ
Toluene	108-88-3										ND	250	ug/l	UJ
trans-1,2-Dichloroethene	156-60-5										ND	250	ug/l	UJ
trans-1,3-Dichloropropene	10061-02-6										ND	250	ug/l	UJ
Trichloroethene	79-01-6										ND	250	ug/l	UJ
Trichlorofluoromethane	75-69-4										ND	250	ug/l	UJ
Vinyl chloride	75-01-4										ND	250	ug/l	UJ

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	ASB-115_4-9(20110822)				ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	2401383815				240141688				2401433110			
		Sample Date:	8/22/2011				8/22/2011				8/22/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6												
	Acenaphthene	83-32-9												
	Acenaphthylene	208-96-8												
	Anthracene	120-12-7												
	Benzo[a]anthracene	56-55-3												
	Benzo[a]pyrene	50-32-8												
	Benzo[b]fluoranthene	205-99-2												
	Benzo[g,h,i]perylene	191-24-2												
	Benzo[k]fluoranthene	207-08-9												
	Chrysene	218-01-9												
	Dibenz(a,h)anthracene	53-70-3												
	Fluoranthene	206-44-0												
	Fluorene	86-73-7												
	Indeno[1,2,3-cd]pyrene	193-39-5												
	Naphthalene	91-20-3												
	Phenanthrene	85-01-8												
	Pyrene	129-00-0												
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2												
	Aroclor-1221	11104-28-2												
	Aroclor-1232	11141-16-5												
	Aroclor-1242	53469-21-9												
	Aroclor-1248	12672-29-6												
	Aroclor-1254	11097-69-1												
	Aroclor-1260	11096-82-5												
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005					24000	5000	ug/l	UJ				
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Arsenic - Dissolved	7440-38-2	7.6	10	ug/l	J								
	Barium - Dissolved	7440-39-3	340	200	ug/l	---								
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---								
	Chromium - Dissolved	7440-47-3	2.4	10	ug/l	J								
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---								
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---								
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---								
	OSW-7470A													
	Mercury - Dissolved	7439-97-6												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	TB-001(20110823)				ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	240143319				2401437419				2401446332			
		Sample Date:	8/23/2011				8/22/2011				8/22/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---								
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---								
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---								
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---								
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---								
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---								
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---								
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---								
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---								
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---								
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---								
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---								
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---								
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---								
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---								
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---								
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---								
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---								
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---								
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---								
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---								
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---								
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---								
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---								
2-Hexanone	591-78-6	ND	10	ug/l	---								
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---								
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	---								
Acetone	67-64-1	ND	10	ug/l	---								
Allyl chloride	107-05-1	ND	2.0	ug/l	---								
Benzene	71-43-2	ND	1.0	ug/l	---								
Bromobenzene	108-86-1	ND	1.0	ug/l	---								
Bromochloromethane	74-97-5	ND	1.0	ug/l	---								
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---								
Bromoform	75-25-2	ND	1.0	ug/l	---								
Bromomethane	74-83-9	ND	1.0	ug/l	---								
Carbon disulfide	75-15-0	ND	1.0	ug/l	---								
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---								
Chlorobenzene	108-90-7	ND	1.0	ug/l	---								
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---								
Chloroethane	75-00-3	ND	1.0	ug/l	---								
Chloroform	67-66-3	ND	1.0	ug/l	---								
Chloromethane	74-87-3	ND	1.0	ug/l	---								
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---								
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---								
Cyclohexane	110-82-7	ND	1.0	ug/l	---								
Dibromomethane	74-95-3	ND	1.0	ug/l	---								
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---								
Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	---								
Ethyl ether	60-29-7	ND	1.0	ug/l	---								
Ethylbenzene	100-41-4	ND	1.0	ug/l	---								
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---								
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---								
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---								
Methyl acetate	79-20-9	ND	10	ug/l	---								
Methyl tert butyl ether	1634-04-4	ND	2.0	ug/l	---								
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---								
Methylene Chloride	75-09-2	ND	1.0	ug/l	---								
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---								
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---								
Naphthalene	91-20-3	ND	1.0	ug/l	---								
o-Xylene	95-47-6	ND	1.0	ug/l	---								
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---								
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---								
Styrene	100-42-5	ND	1.0	ug/l	---								
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---								
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---								
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---								
Toluene	108-88-3	ND	1.0	ug/l	---								
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---								
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---								
Trichloroethene	79-01-6	ND	1.0	ug/l	---								
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---								
Vinyl chloride	75-01-4	ND	1.0	ug/l	---								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	TB-001(20110823)				ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	240143319				2401437419				2401446332			
		Sample Date:	8/23/2011				8/22/2011				8/22/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6					230	65	ug/l	---				
	Acenaphthene	83-32-9					1.6	65	ug/l	J				
	Acenaphthylene	208-96-8					ND	65	ug/l	---				
	Anthracene	120-12-7					ND	65	ug/l	---				
	Benzo[a]anthracene	56-55-3					ND	1.3	ug/l	---				
	Benzo[a]pyrene	50-32-8					ND	65	ug/l	---				
	Benzo[b]fluoranthene	205-99-2					ND	65	ug/l	---				
	Benzo[g,h,i]perylene	191-24-2					ND	65	ug/l	---				
	Benzo[k]fluoranthene	207-08-9					ND	65	ug/l	---				
	Chrysene	218-01-9					ND	65	ug/l	---				
	Dibenz(a,h)anthracene	53-70-3					ND	65	ug/l	---				
	Fluoranthene	206-44-0					ND	65	ug/l	---				
	Fluorene	86-73-7					ND	65	ug/l	---				
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	65	ug/l	---				
	Naphthalene	91-20-3					130	65	ug/l	---				
	Phenanthrene	85-01-8					1.7	65	ug/l	J				
	Pyrene	129-00-0					ND	65	ug/l	---				
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2												
	Aroclor-1221	11104-28-2												
	Aroclor-1232	11141-16-5												
	Aroclor-1242	53469-21-9												
	Aroclor-1248	12672-29-6												
	Aroclor-1254	11097-69-1												
	Aroclor-1260	11096-82-5												
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Arsenic - Dissolved	7440-38-2												
	Barium - Dissolved	7440-39-3												
	Cadmium - Dissolved	7440-43-9												
	Chromium - Dissolved	7440-47-3												
	Lead - Dissolved	7439-92-1												
	Selenium - Dissolved	7782-49-2												
	Silver - Dissolved	7440-22-4												
	OSW-7470A													
	Mercury - Dissolved	7439-97-6									ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3250-1

		Sample Name:	ASB-115_4-9(20110822)				ASB-115_4-9(20110822)			
		Lab Sample ID:	240146267				2401474414			
		Sample Date:	8/22/2011				8/22/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
OSW-8270C										
2-Methylnaphthalene	91-57-6									
Acenaphthene	83-32-9									
Acenaphthylene	208-96-8									
Anthracene	120-12-7									
Benzo[a]anthracene	56-55-3									
Benzo[a]pyrene	50-32-8									
Benzo[b]fluoranthene	205-99-2									
Benzo[g,h,i]perylene	191-24-2									
Benzo[k]fluoranthene	207-08-9									
Chrysene	218-01-9									
Dibenz(a,h)anthracene	53-70-3									
Fluoranthene	206-44-0									
Fluorene	86-73-7									
Indeno[1,2,3-cd]pyrene	193-39-5									
Naphthalene	91-20-3									
Phenanthrene	85-01-8									
Pyrene	129-00-0									
Pest & PCB										
OSW-8082										
Aroclor-1016	12674-11-2						ND	0.20	ug/l	UJ
Aroclor-1221	11104-28-2						ND	0.20	ug/l	UJ
Aroclor-1232	11141-16-5						ND	0.20	ug/l	UJ
Aroclor-1242	53469-21-9						ND	0.20	ug/l	UJ
Aroclor-1248	12672-29-6						ND	0.20	ug/l	UJ
Aroclor-1254	11097-69-1						ND	0.20	ug/l	UJ
Aroclor-1260	11096-82-5						ND	0.20	ug/l	UJ
GC VOC										
PUBL-SW-140										
WI Gasoline Range Organics (C6-C10)	E-1005									
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004	3.4	0.50	mg/l	---					
Metals										
OSW-6010B										
Arsenic - Dissolved	7440-38-2									
Barium - Dissolved	7440-39-3									
Cadmium - Dissolved	7440-43-9									
Chromium - Dissolved	7440-47-3									
Lead - Dissolved	7439-92-1									
Selenium - Dissolved	7782-49-2									
Silver - Dissolved	7440-22-4									
OSW-7470A										
Mercury - Dissolved	7439-97-6									

September 19, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3201-1
Sample date: 2011-08-23 2011-08-24
Report received by Enovis: 2011-09-16
Initial Data Verification completed by Enovis: 2011-09-19

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

8 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results for Soil samples have been reported on a dry weight basis.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 13470 had detections below the RL for naphthalene and tetrahydrofuran. Client sample -007 naphthalene results and client samples -001, -002, -003, -004 and -009 tetrahydrofuran results should all be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC Trip blank had a detection below the RL for tetrahydrofuran that was qualified as non-detect at the RL with a UB flag as noted above. No other detections were noted for this trip blank.

GCMS VOC LCS recovery for QC batch 13470 tetrahydrofuran was outside of laboratory control limits biased high. These results have been qualified as non-detect at the RL with UB flags due to associated method blank detections so no further qualification was required based on this high bias QC outlier.

GCMS VOC, GRO and DRO QC batch MS recovery data was not reported due to insufficient sample volume available to perform these matrix specific batch QC analyses.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low for 1 out of 3 acid fraction surrogates in client sample -005. Since no acid fraction analytes were on the TAL for these samples qualification of client sample results was not required based on the surrogate recovery outliers.

DRO LCS recovery only for QC batch 13352 was an outlier biased low for the QC batch. The LCSduplicate and LCS/LCSD RPD were acceptable so qualification of client sample results was not applied based on the LCS recovery outlier alone.

GCMS SVOC MSD recovery outliers were not performed on a sample from this submittal. Qualification of client sample results is not required based on this sample-matrix specific QC outlier.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantify target analytes for client samples -005, -006 and -008 PNA, GCMS SVOC and GRO results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3201-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals
2401356710	ASB-121_8-10(20110824)	8/24/2011	12:05:00	X				
2401356711	ASB-121_5-7(20110824)	8/24/2011	12:15:00	X				
2401356712	ASB-122_6-8(20110824)	8/24/2011	2:50:00	X				
2401356717	ASB-119_5-7(20110823)	8/23/2011	4:40:00	X				
2401356718	ASB-119_8-10(20110823)	8/23/2011	4:50:00	X				
2401356719	ASB-120_4-6(20110824)	8/24/2011	9:32:00	X				
2401356720	ASB-120_6-8(20110824)	8/24/2011	9:42:00	X				
2401356721	ASB-122_2-4(20110824)	8/24/2011	2:40:00	X				
2401356722	MB-001(20110824)	8/24/2011	12:00:00	X				
2401359616	ASB-119_5-7(20110823)	8/23/2011	4:40:00				X	
2401359617	ASB-119_8-10(20110823)	8/23/2011	4:50:00				X	
2401359618	ASB-120_4-6(20110824)	8/24/2011	9:32:00				X	
2401359619	ASB-120_6-8(20110824)	8/24/2011	9:42:00				X	
2401359620	ASB-121_8-10(20110824)	8/24/2011	12:05:00				X	
2401359621	ASB-121_5-7(20110824)	8/24/2011	12:15:00				X	
2401359622	ASB-122_2-4(20110824)	8/24/2011	2:40:00				X	
2401359623	ASB-122_6-8(20110824)	8/24/2011	2:50:00				X	
2401368573	ASB-120_4-6(20110824)	8/24/2011	9:32:00					X
2401368579	ASB-119_8-10(20110823)	8/23/2011	4:50:00					X
2401368580	ASB-121_8-10(20110824)	8/24/2011	12:05:00					X
2401368581	ASB-120_6-8(20110824)	8/24/2011	9:42:00					X
2401368582	ASB-121_5-7(20110824)	8/24/2011	12:15:00					X
2401368583	ASB-122_6-8(20110824)	8/24/2011	2:50:00					X
2401368584	ASB-119_5-7(20110823)	8/23/2011	4:40:00					X
2401368585	ASB-122_2-4(20110824)	8/24/2011	2:40:00					X
2401376821	ASB-122_2-4(20110824)	8/24/2011	2:40:00		X			
2401376828	ASB-121_5-7(20110824)	8/24/2011	12:15:00		X			
2401376829	ASB-121_8-10(20110824)	8/24/2011	12:05:00		X			
2401400313	ASB-122_6-8(20110824)	8/24/2011	2:50:00		X			
2401421921	ASB-119_5-7(20110823)	8/23/2011	4:40:00			X		
2401421922	ASB-119_8-10(20110823)	8/23/2011	4:50:00			X		
2401421923	ASB-120_4-6(20110824)	8/24/2011	9:32:00			X		
2401421924	ASB-120_6-8(20110824)	8/24/2011	9:42:00			X		
2401421925	ASB-121_8-10(20110824)	8/24/2011	12:05:00			X		
2401421926	ASB-121_5-7(20110824)	8/24/2011	12:15:00			X		
2401421927	ASB-122_2-4(20110824)	8/24/2011	2:40:00			X		
2401421928	ASB-122_6-8(20110824)	8/24/2011	2:50:00			X		

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-119_5-7(20110823)				ASB-119_8-10(20110823)				ASB-120_4-6(20110824)				ASB-120_6-8(20110824)				ASB-122_2-4(20110824)				MB-001(20110824)			
		Lab Sample ID:	2401356717				2401356718				2401356719				2401356720				2401356721				2401356722			
		Sample Date:	8/23/2011				8/23/2011				8/24/2011				8/24/2011				8/24/2011				8/24/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC																										
OSW-8260B																										
Naphthalene	91-20-3																		19	270	ug/kg	UB				
Tetrahydrofuran	109-99-9		120	1100	ug/kg	UB	120	1200	ug/kg	UB	120	1300	ug/kg	UB	120	1200	ug/kg	UB					92	1000	ug/kg	UB

GCMS VOC method blank for QC batch 13470 had detections below the RL for naphthalene and tetrahydrofuran. Client sample -007 naphthalene results and client samples -001, -002, -003, -004 and -009 tetrahydrofuran results should all be considered to be non-detect at the RL and qualified with UB flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-121_8-10(20110824)				ASB-121_5-7(20110824)				ASB-122_6-8(20110824)			
		Lab Sample ID:	2401356710				2401356711				2401356712			
		Sample Date:	8/24/2011				8/24/2011				8/24/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	110000	3400	ug/kg	---	31000	1400	ug/kg	---	64000	1600	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	6900	ug/kg	---	ND	2800	ug/kg	---	ND	3300	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	35000	3400	ug/kg	---	9700	1400	ug/kg	---	20000	1600	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	14000	ug/kg	---	ND	5500	ug/kg	---	ND	6500	ug/kg	---
2-Chlorotoluene	95-49-8	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
2-Hexanone	591-78-6	ND	14000	ug/kg	---	ND	5500	ug/kg	---	ND	6500	ug/kg	---
4-Chlorotoluene	106-43-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	14000	ug/kg	---	ND	5500	ug/kg	---	ND	6500	ug/kg	---
Acetone	67-64-1	ND	14000	ug/kg	---	ND	5500	ug/kg	---	ND	6500	ug/kg	---
Allyl chloride	107-05-1	ND	6900	ug/kg	---	ND	2800	ug/kg	---	ND	3300	ug/kg	---
Benzene	71-43-2	15000	3400	ug/kg	---	2900	1400	ug/kg	---	9200	1600	ug/kg	---
Bromobenzene	108-86-1	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Bromochloromethane	74-97-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Bromodichloromethane	75-27-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Bromoform	75-25-2	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Bromomethane	74-83-9	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Carbon disulfide	75-15-0	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Carbon tetrachloride	56-23-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Chlorobenzene	108-90-7	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Chlorodibromomethane	124-48-1	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Chloroethane	75-00-3	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Chloroform	67-66-3	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Chloromethane	74-87-3	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Cyclohexane	110-82-7	35000	6900	ug/kg	---	11000	2800	ug/kg	---	24000	3300	ug/kg	---
Dibromomethane	74-95-3	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	6900	ug/kg	---	ND	2800	ug/kg	---	ND	3300	ug/kg	---
Ethyl ether	60-29-7	ND	6900	ug/kg	---	ND	2800	ug/kg	---	ND	3300	ug/kg	---
Ethylbenzene	100-41-4	70000	3400	ug/kg	---	18000	1400	ug/kg	---	36000	1600	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Isopropylbenzene	98-82-8	4800	3400	ug/kg	---	1300	1400	ug/kg	J	2600	1600	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	240000	6900	ug/kg	---	61000	2800	ug/kg	---	120000	3300	ug/kg	---
Methyl acetate	79-20-9	ND	6900	ug/kg	---	ND	2800	ug/kg	---	ND	3300	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	14000	ug/kg	---	ND	5500	ug/kg	---	ND	6500	ug/kg	---
Methylcyclohexane	108-87-2	36000	6900	ug/kg	---	12000	2800	ug/kg	---	19000	3300	ug/kg	---
Methylene Chloride	75-09-2	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
n-Butylbenzene	104-51-8	7200	3400	ug/kg	---	2200	1400	ug/kg	---	4300	1600	ug/kg	---
N-Propylbenzene	103-65-1	23000	3400	ug/kg	---	6500	1400	ug/kg	---	13000	1600	ug/kg	---
Naphthalene	91-20-3	11000	3400	ug/kg	---	2900	1400	ug/kg	---	6300	1600	ug/kg	---
o-Xylene	95-47-6	87000	3400	ug/kg	---	21000	1400	ug/kg	---	42000	1600	ug/kg	---
p-Isopropyltoluene	99-87-6	740	3400	ug/kg	J	220	1400	ug/kg	J	410	1600	ug/kg	J
sec-Butylbenzene	135-98-8	1900	3400	ug/kg	J	570	1400	ug/kg	J	1100	1600	ug/kg	J
Styrene	100-42-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
tert-Butylbenzene	98-06-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Tetrachloroethene	127-18-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Tetrahydrofuran	109-99-9	ND	14000	ug/kg	---	ND	5500	ug/kg	---	ND	6500	ug/kg	---
Toluene	108-88-3	120000	3400	ug/kg	---	16000	1400	ug/kg	---	28000	1600	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Trichloroethene	79-01-6	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---
Vinyl chloride	75-01-4	ND	3400	ug/kg	---	ND	1400	ug/kg	---	ND	1600	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-119_5-7(20110823)				ASB-119_8-10(20110823)				ASB-120_4-6(20110824)			
		Lab Sample ID:	2401356717				2401356718				2401356719			
		Sample Date:	8/23/2011				8/23/2011				8/24/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
	1,1,1,2-Tetrachloroethane	630-20-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1,1-Trichloroethane	71-55-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1,2,2-Tetrachloroethane	79-34-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1,2-Trichloroethane	79-00-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1-Dichloroethane	75-34-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1-Dichloroethene	75-35-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,1-Dichloropropene	563-58-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2,3-Trichlorobenzene	87-61-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2,3-Trichloropropane	96-18-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2,4-Trichlorobenzene	120-82-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2,4-Trimethylbenzene	95-63-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	1,2-Dibromoethane	106-93-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2-Dichlorobenzene	95-50-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,2-Dichloroethane	107-06-2	ND	280	ug/kg	---	ND	310	ug/kg	---	33	320	ug/kg	J
	1,2-Dichloropropane	78-87-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,3,5-Trimethylbenzene	108-67-8	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,3-Dichlorobenzene	541-73-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,3-Dichloropropane	142-28-9	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	1,4-Dichlorobenzene	106-46-7	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	2,2-Dichloropropane	594-20-7	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---	ND	1200	ug/kg	---	ND	1300	ug/kg	---
	2-Chlorotoluene	95-49-8	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1200	ug/kg	---	ND	1300	ug/kg	---
	4-Chlorotoluene	106-43-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1200	ug/kg	---	ND	1300	ug/kg	---
	Acetone	67-64-1	ND	1100	ug/kg	---	ND	1200	ug/kg	---	ND	1300	ug/kg	---
	Allyl chloride	107-05-1	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	Benzene	71-43-2	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Bromobenzene	108-86-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Bromochloromethane	74-97-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Bromodichloromethane	75-27-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Bromoform	75-25-2	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Bromomethane	74-83-9	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Carbon disulfide	75-15-0	54	280	ug/kg	J	ND	310	ug/kg	---	67	320	ug/kg	J
	Carbon tetrachloride	56-23-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Chlorobenzene	108-90-7	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Chlorodibromomethane	124-48-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Chloroethane	75-00-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Chloroform	67-66-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Chloromethane	74-87-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	cis-1,2-Dichloroethene	156-59-2	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	cis-1,3-Dichloropropene	10061-01-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Cyclohexane	110-82-7	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	Dibromomethane	74-95-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Dichlorodifluoromethane	75-71-8	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Dichlorofluoromethane	75-43-4	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	Ethyl ether	60-29-7	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	Ethylbenzene	100-41-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Isopropylbenzene	98-82-8	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	m-Xylene & p-Xylene	179601-23-1	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	Methyl acetate	79-20-9	110	560	ug/kg	J	41	620	ug/kg	J	290	650	ug/kg	J
	Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	1200	ug/kg	---	ND	1300	ug/kg	---
	Methylcyclohexane	108-87-2	ND	560	ug/kg	---	ND	620	ug/kg	---	ND	650	ug/kg	---
	Methylene Chloride	75-09-2	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	n-Butylbenzene	104-51-8	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	N-Propylbenzene	103-65-1	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Naphthalene	91-20-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	o-Xylene	95-47-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	p-Isopropyltoluene	99-87-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	sec-Butylbenzene	135-98-8	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Styrene	100-42-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	tert-Butylbenzene	98-06-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Tetrachloroethene	127-18-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Tetrahydrofuran	109-99-9	120	1100	ug/kg	UB	120	1200	ug/kg	UB	120	1300	ug/kg	UB
	Toluene	108-88-3	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	trans-1,2-Dichloroethene	156-60-5	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Trichloroethene	79-01-6	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Trichlorofluoromethane	75-69-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---
	Vinyl chloride	75-01-4	ND	280	ug/kg	---	ND	310	ug/kg	---	ND	320	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-120_6-8(20110824)				ASB-122_2-4(20110824)				MB-001(20110824)			
		Lab Sample ID:	2401356720				2401356721				2401356722			
		Sample Date:	8/24/2011				8/24/2011				8/24/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
	1,1,1,2-Tetrachloroethane	630-20-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1,1-Trichloroethane	71-55-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1,2,2-Tetrachloroethane	79-34-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1,2-Trichloroethane	79-00-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1-Dichloroethane	75-34-3	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1-Dichloroethene	75-35-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,1-Dichloropropene	563-58-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2,3-Trichlorobenzene	87-61-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2,3-Trichloropropane	96-18-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2,4-Trichlorobenzene	120-82-1	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2,4-Trimethylbenzene	95-63-6	ND	300	ug/kg	---	84	270	ug/kg	J	ND	250	ug/kg	---
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	600	ug/kg	---	ND	540	ug/kg	---	ND	500	ug/kg	---
	1,2-Dibromoethane	106-93-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2-Dichlorobenzene	95-50-1	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2-Dichloroethane	107-06-2	99	300	ug/kg	J	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,2-Dichloropropane	78-87-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,3,5-Trimethylbenzene	108-67-8	ND	300	ug/kg	---	59	270	ug/kg	J	ND	250	ug/kg	---
	1,3-Dichlorobenzene	541-73-1	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,3-Dichloropropane	142-28-9	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	1,4-Dichlorobenzene	106-46-7	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	2,2-Dichloropropane	594-20-7	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	2-Butanone (MEK)	78-93-3	ND	1200	ug/kg	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
	2-Chlorotoluene	95-49-8	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	2-Hexanone	591-78-6	ND	1200	ug/kg	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
	4-Chlorotoluene	106-43-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
	Acetone	67-64-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
	Allyl chloride	107-05-1	ND	600	ug/kg	---	ND	540	ug/kg	---	ND	500	ug/kg	---
	Benzene	71-43-2	ND	300	ug/kg	---	1400	270	ug/kg	---	ND	250	ug/kg	---
	Bromobenzene	108-86-1	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Bromochloromethane	74-97-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Bromodichloromethane	75-27-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Bromoform	75-25-2	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Bromomethane	74-83-9	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Carbon disulfide	75-15-0	55	300	ug/kg	J	ND	270	ug/kg	---	ND	250	ug/kg	---
	Carbon tetrachloride	56-23-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Chlorobenzene	108-90-7	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Chlorodibromomethane	124-48-1	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Chloroethane	75-00-3	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Chloroform	67-66-3	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Chloromethane	74-87-3	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	cis-1,2-Dichloroethene	156-59-2	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	cis-1,3-Dichloropropene	10061-01-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Cyclohexane	110-82-7	ND	600	ug/kg	---	820	540	ug/kg	---	ND	500	ug/kg	---
	Dibromomethane	74-95-3	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Dichlorodifluoromethane	75-71-8	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Dichlorofluoromethane	75-43-4	ND	600	ug/kg	---	ND	540	ug/kg	---	ND	500	ug/kg	---
	Ethyl ether	60-29-7	ND	600	ug/kg	---	ND	540	ug/kg	---	ND	500	ug/kg	---
	Ethylbenzene	100-41-4	ND	300	ug/kg	---	51	270	ug/kg	J	ND	250	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Isopropylbenzene	98-82-8	ND	300	ug/kg	---	30	270	ug/kg	J	ND	250	ug/kg	---
	m-Xylene & p-Xylene	179601-23-1	ND	600	ug/kg	---	620	540	ug/kg	---	ND	500	ug/kg	---
	Methyl acetate	79-20-9	81	600	ug/kg	J	81	540	ug/kg	J	ND	500	ug/kg	---
	Methyl tert butyl ether	1634-04-4	ND	1200	ug/kg	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
	Methylcyclohexane	108-87-2	ND	600	ug/kg	---	590	540	ug/kg	---	ND	500	ug/kg	---
	Methylene Chloride	75-09-2	ND	300	ug/kg	---	100	270	ug/kg	J	ND	250	ug/kg	---
	n-Butylbenzene	104-51-8	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	N-Propylbenzene	103-65-1	ND	300	ug/kg	---	110	270	ug/kg	J	ND	250	ug/kg	---
	Naphthalene	91-20-3	ND	300	ug/kg	---	19	270	ug/kg	UB	ND	250	ug/kg	---
	o-Xylene	95-47-6	ND	300	ug/kg	---	82	270	ug/kg	J	ND	250	ug/kg	---
	p-Isopropyltoluene	99-87-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	sec-Butylbenzene	135-98-8	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Styrene	100-42-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	tert-Butylbenzene	98-06-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Tetrachloroethene	127-18-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Tetrahydrofuran	109-99-9	120	1200	ug/kg	UB	ND	1100	ug/kg	---	92	1000	ug/kg	UB
	Toluene	108-88-3	ND	300	ug/kg	---	36	270	ug/kg	J	ND	250	ug/kg	---
	trans-1,2-Dichloroethene	156-60-5	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Trichloroethene	79-01-6	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Trichlorofluoromethane	75-69-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---
	Vinyl chloride	75-01-4	ND	300	ug/kg	---	ND	270	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-119_5-7(20110823)				ASB-119_8-10(20110823)				ASB-120_4-6(20110824)				
		Lab Sample ID:	2401359616				2401359617				2401359618				
		Sample Date:	8/23/2011				8/23/2011				8/24/2011				
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC													
OSW-8270C													
2-Methylnaphthalene	91-57-6												
Acenaphthene	83-32-9												
Acenaphthylene	208-96-8												
Anthracene	120-12-7												
Benzo[a]anthracene	56-55-3												
Benzo[a]pyrene	50-32-8												
Benzo[b]fluoranthene	205-99-2												
Benzo[g,h,i]perylene	191-24-2												
Benzo[k]fluoranthene	207-08-9												
Chrysene	218-01-9												
Dibenz(a,h)anthracene	53-70-3												
Fluoranthene	206-44-0												
Fluorene	86-73-7												
Indeno[1,2,3-cd]pyrene	193-39-5												
Naphthalene	91-20-3												
Phenanthrene	85-01-8												
Pyrene	129-00-0												
GC VOC													
PUBL-SW-140													
WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other													
PUBL-SW-141													
WI Diesel Range Organics (C10-C28)	E-1004	ND	11	mg/kg	---	ND	11	mg/kg	---	ND	12	mg/kg	---
Metals													
OSW-6010B													
Lead	7439-92-1												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-120_6-8(20110824)				ASB-121_8-10(20110824)				ASB-121_5-7(20110824)				
		Lab Sample ID:	2401359619				2401359620				2401359621				
		Sample Date:	8/24/2011				8/24/2011				8/24/2011				
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC													
OSW-8270C													
2-Methylnaphthalene	91-57-6												
Acenaphthene	83-32-9												
Acenaphthylene	208-96-8												
Anthracene	120-12-7												
Benzo[a]anthracene	56-55-3												
Benzo[a]pyrene	50-32-8												
Benzo[b]fluoranthene	205-99-2												
Benzo[g,h,i]perylene	191-24-2												
Benzo[k]fluoranthene	207-08-9												
Chrysene	218-01-9												
Dibenz(a,h)anthracene	53-70-3												
Fluoranthene	206-44-0												
Fluorene	86-73-7												
Indeno[1,2,3-cd]pyrene	193-39-5												
Naphthalene	91-20-3												
Phenanthrene	85-01-8												
Pyrene	129-00-0												
GC VOC													
PUBL-SW-140													
WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other													
PUBL-SW-141													
WI Diesel Range Organics (C10-C28)	E-1004	ND	10	mg/kg	---	12	10	mg/kg	---	42	10	mg/kg	---
Metals													
OSW-6010B													
Lead	7439-92-1												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-122_2-4(20110824)				ASB-122_6-8(20110824)				ASB-120_4-6(20110824)			
		Lab Sample ID:	2401359622				2401359623				2401368573			
		Sample Date:	8/24/2011				8/24/2011				8/24/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6												
	Acenaphthene	83-32-9												
	Acenaphthylene	208-96-8												
	Anthracene	120-12-7												
	Benzo[a]anthracene	56-55-3												
	Benzo[a]pyrene	50-32-8												
	Benzo[b]fluoranthene	205-99-2												
	Benzo[g,h,i]perylene	191-24-2												
	Benzo[k]fluoranthene	207-08-9												
	Chrysene	218-01-9												
	Dibenz(a,h)anthracene	53-70-3												
	Fluoranthene	206-44-0												
	Fluorene	86-73-7												
	Indeno[1,2,3-cd]pyrene	193-39-5												
	Naphthalene	91-20-3												
	Phenanthrene	85-01-8												
	Pyrene	129-00-0												
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	ND	10	mg/kg	---	26	11	mg/kg	---				
Metals														
	OSW-6010B													
	Lead	7439-92-1									11	0.38	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-119_8-10(20110823)				ASB-121_8-10(20110824)				ASB-120_6-8(20110824)				
		Lab Sample ID:	2401368579				2401368580				2401368581				
		Sample Date:	8/23/2011				8/24/2011				8/24/2011				
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC													
OSW-8270C													
2-Methylnaphthalene	91-57-6												
Acenaphthene	83-32-9												
Acenaphthylene	208-96-8												
Anthracene	120-12-7												
Benzo[a]anthracene	56-55-3												
Benzo[a]pyrene	50-32-8												
Benzo[b]fluoranthene	205-99-2												
Benzo[g,h,i]perylene	191-24-2												
Benzo[k]fluoranthene	207-08-9												
Chrysene	218-01-9												
Dibenz(a,h)anthracene	53-70-3												
Fluoranthene	206-44-0												
Fluorene	86-73-7												
Indeno[1,2,3-cd]pyrene	193-39-5												
Naphthalene	91-20-3												
Phenanthrene	85-01-8												
Pyrene	129-00-0												
GC VOC													
PUBL-SW-140													
WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other													
PUBL-SW-141													
WI Diesel Range Organics (C10-C28)	E-1004												
Metals													
OSW-6010B													
Lead	7439-92-1	3.9	0.38	mg/kg	---	32	0.31	mg/kg	---	5.8	0.32	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-121_5-7(20110824)				ASB-122_6-8(20110824)				ASB-119_5-7(20110823)			
		Lab Sample ID:	2401368582				2401368583				2401368584			
		Sample Date:	8/24/2011				8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6												
	Acenaphthene	83-32-9												
	Acenaphthylene	208-96-8												
	Anthracene	120-12-7												
	Benzo[a]anthracene	56-55-3												
	Benzo[a]pyrene	50-32-8												
	Benzo[b]fluoranthene	205-99-2												
	Benzo[g,h,i]perylene	191-24-2												
	Benzo[k]fluoranthene	207-08-9												
	Chrysene	218-01-9												
	Dibenz(a,h)anthracene	53-70-3												
	Fluoranthene	206-44-0												
	Fluorene	86-73-7												
	Indeno[1,2,3-cd]pyrene	193-39-5												
	Naphthalene	91-20-3												
	Phenanthrene	85-01-8												
	Pyrene	129-00-0												
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Lead	7439-92-1	31	0.35	mg/kg	---	8.0	0.34	mg/kg	---	7.5	0.34	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-122_2-4(20110824)				ASB-122_2-4(20110824)				ASB-121_5-7(20110824)			
		Lab Sample ID:	2401368585				2401376821				2401376828			
		Sample Date:	8/24/2011				8/24/2011				8/24/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6					18	390	ug/kg	J	1600	1900	ug/kg	J
	Acenaphthene	83-32-9					35	390	ug/kg	J	180	1900	ug/kg	J
	Acenaphthylene	208-96-8					4.2	390	ug/kg	J	48	1900	ug/kg	J
	Anthracene	120-12-7					66	390	ug/kg	J	1000	1900	ug/kg	J
	Benzo[a]anthracene	56-55-3					170	390	ug/kg	J	4500	1900	ug/kg	---
	Benzo[a]pyrene	50-32-8					150	390	ug/kg	J	4300	1900	ug/kg	---
	Benzo[b]fluoranthene	205-99-2					170	390	ug/kg	J	5200	1900	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2					86	390	ug/kg	J	2400	1900	ug/kg	---
	Benzo[k]fluoranthene	207-08-9					98	390	ug/kg	J	3400	1900	ug/kg	---
	Chrysene	218-01-9					180	390	ug/kg	J	4300	1900	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3					ND	390	ug/kg	---	ND	1900	ug/kg	---
	Fluoranthene	206-44-0					420	390	ug/kg	---	7400	1900	ug/kg	---
	Fluorene	86-73-7					39	390	ug/kg	J	280	1900	ug/kg	J
	Indeno[1,2,3-cd]pyrene	193-39-5					72	390	ug/kg	J	2400	1900	ug/kg	---
	Naphthalene	91-20-3					25	390	ug/kg	J	1200	1900	ug/kg	J
	Phenanthrene	85-01-8					350	390	ug/kg	J	3000	1900	ug/kg	---
	Pyrene	129-00-0					330	390	ug/kg	J	5200	1900	ug/kg	---
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Lead	7439-92-1	14	0.29	mg/kg	---								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-121_8-10(20110824)				ASB-122_6-8(20110824)				ASB-119_5-7(20110823)			
		Lab Sample ID:	2401376829				2401400313				2401421921			
		Sample Date:	8/24/2011				8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6	4200	1900	ug/kg	---	2500	860	ug/kg	---				
	Acenaphthene	83-32-9	120	1900	ug/kg	J	33	860	ug/kg	J				
	Acenaphthylene	208-96-8	ND	1900	ug/kg	---	ND	860	ug/kg	---				
	Anthracene	120-12-7	160	1900	ug/kg	J	ND	860	ug/kg	---				
	Benzo[a]anthracene	56-55-3	250	1900	ug/kg	J	ND	860	ug/kg	---				
	Benzo[a]pyrene	50-32-8	200	1900	ug/kg	J	ND	860	ug/kg	---				
	Benzo[b]fluoranthene	205-99-2	250	1900	ug/kg	J	ND	860	ug/kg	---				
	Benzo[g,h,i]perylene	191-24-2	110	1900	ug/kg	J	ND	860	ug/kg	---				
	Benzo[k]fluoranthene	207-08-9	160	1900	ug/kg	J	ND	860	ug/kg	---				
	Chrysene	218-01-9	220	1900	ug/kg	J	ND	860	ug/kg	---				
	Dibenz(a,h)anthracene	53-70-3	ND	1900	ug/kg	---	ND	860	ug/kg	---				
	Fluoranthene	206-44-0	550	1900	ug/kg	J	22	860	ug/kg	J				
	Fluorene	86-73-7	140	1900	ug/kg	J	45	860	ug/kg	J				
	Indeno[1,2,3-cd]pyrene	193-39-5	95	1900	ug/kg	J	ND	860	ug/kg	---				
	Naphthalene	91-20-3	3000	1900	ug/kg	---	1900	860	ug/kg	---				
	Phenanthrene	85-01-8	510	1900	ug/kg	J	69	860	ug/kg	J				
	Pyrene	129-00-0	440	1900	ug/kg	J	25	860	ug/kg	J				
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005									ND	13	mg/kg	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Lead	7439-92-1												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-119_8-10(20110823)				ASB-120_4-6(20110824)				ASB-120_6-8(20110824)			
		Lab Sample ID:	2401421922				2401421923				2401421924			
		Sample Date:	8/23/2011				8/24/2011				8/24/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6												
	Acenaphthene	83-32-9												
	Acenaphthylene	208-96-8												
	Anthracene	120-12-7												
	Benzo[a]anthracene	56-55-3												
	Benzo[a]pyrene	50-32-8												
	Benzo[b]fluoranthene	205-99-2												
	Benzo[g,h,i]perylene	191-24-2												
	Benzo[k]fluoranthene	207-08-9												
	Chrysene	218-01-9												
	Dibenz(a,h)anthracene	53-70-3												
	Fluoranthene	206-44-0												
	Fluorene	86-73-7												
	Indeno[1,2,3-cd]pyrene	193-39-5												
	Naphthalene	91-20-3												
	Phenanthrene	85-01-8												
	Pyrene	129-00-0												
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	13	mg/kg	---	ND	13	mg/kg	---	ND	12	mg/kg	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Lead	7439-92-1												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

		Sample Name:	ASB-121_8-10(20110824)				ASB-121_5-7(20110824)				ASB-122_2-4(20110824)				
		Lab Sample ID:	2401421925				2401421926				2401421927				
		Sample Date:	8/24/2011				8/24/2011				8/24/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6												
	Acenaphthene	83-32-9												
	Acenaphthylene	208-96-8												
	Anthracene	120-12-7												
	Benzo[a]anthracene	56-55-3												
	Benzo[a]pyrene	50-32-8												
	Benzo[b]fluoranthene	205-99-2												
	Benzo[g,h,i]perylene	191-24-2												
	Benzo[k]fluoranthene	207-08-9												
	Chrysene	218-01-9												
	Dibenz(a,h)anthracene	53-70-3												
	Fluoranthene	206-44-0												
	Fluorene	86-73-7												
	Indeno[1,2,3-cd]pyrene	193-39-5												
	Naphthalene	91-20-3												
	Phenanthrene	85-01-8												
	Pyrene	129-00-0												
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005	4000	1200	mg/kg	---	820	230	mg/kg	---	57	12	mg/kg	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004												
Metals														
	OSW-6010B													
	Lead	7439-92-1												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3201-1

Sample Name: ASB-122_6-8(20110824)
Lab Sample ID: 2401421928
Sample Date: 8/24/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
2-Methylnaphthalene	91-57-6				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Anthracene	120-12-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Chrysene	218-01-9				
Dibenz(a,h)anthracene	53-70-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Indeno[1,2,3-cd]pyrene	193-39-5				
Naphthalene	91-20-3				
Phenanthrene	85-01-8				
Pyrene	129-00-0				
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005	2300	660	mg/kg	---
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				
Metals					
OSW-6010B					
Lead	7439-92-1				

September 29, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3228-1
Sample date: 2011-08-24 2011-08-25
Report received by Enovis: 2011-09-28
Initial Data Verification completed by Enovis: 2011-09-29

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

DRO method blank for QC batch 13507 had a detection below the RL. Client samples -002, -003, -004, -005, -006 and -007 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

DRO Continuing Calibration Verification (CCV) standard response associated with samples -004 and -006 was outside of method control limits biased high according to the laboratory submittal case narrative. Since all associated sample results were non-detect qualification was not required.

GCMS VOC, GRO and PCB QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses. GCMS SVOC QC batch MS recovery outliers were not performed on a sample from this submittal.

GCMS VOC batch 13679 method blank had detections below the RL for Naphthalene and tetrahydrofuran. Client sample -001 results for naphthalene and samples -001, -002, -007 and -008 results for tetrahydrofuran should be considered to be non-detect at the RL and qualified with UB flags.

Metals method blank for QC batch 13590 had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

GCMS VOC LCS recovery for QC batch 13679 MIBK was outside of laboratory control limits biased high. Qualification of client sample results was not required based on this high bias QC outlier.

GCMS VOC trip blank had a detection below the RL for tetrahydrofuran that was considered to be non-detect at the RL and qualified with a UB flag due to associated method blank detections. No other detections were reported for the trip blank.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3228-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401369210	ASB-124_6-8(20110824)	8/24/2011	5:45:00			X				
2401369213	ASB-127_0-2(20110825)	8/25/2011	1:40:00			X				
2401374912	ASB-124_2-4(20110824)	8/24/2011	6:20:00	X						
2401374913	ASB-124_6-8(20110824)	8/24/2011	5:45:00	X						
2401374914	ASB-127_0-2(20110825)	8/25/2011	1:40:00	X						
2401374915	MB-003(20110825)	8/25/2011	12:00:00	X						
2401377914	ASB-127_0-2(20110825)	8/25/2011	1:40:00							X
2401377917	ASB-124_6-8(20110824)	8/24/2011	5:45:00							X
2401377918	ASB-124_2-4(20110824)	8/24/2011	6:20:00							X
2401377919	ASB-125_6-8(20110825)	8/25/2011	9:05:00							X
2401377920	ASB-126_6-8(20110825)	8/25/2011	11:10:00							X
2401377921	ASB-125_3-5(20110825)	8/25/2011	9:18:00							X
2401377924	ASB-126_2-4(20110825)	8/25/2011	11:35:00							X
24013838100	ASB-126_6-8(20110825)	8/25/2011	11:10:00						X	
24013838101	ASB-125_3-5(20110825)	8/25/2011	9:18:00						X	
24013838102	ASB-126_2-4(20110825)	8/25/2011	11:35:00						X	
2401383891	ASB-127_0-2(20110825)	8/25/2011	1:40:00						X	
2401383895	ASB-124_6-8(20110824)	8/24/2011	5:45:00						X	
2401383896	ASB-124_2-4(20110824)	8/24/2011	6:20:00						X	
2401383899	ASB-125_6-8(20110825)	8/25/2011	9:05:00						X	
2401386834	ASB-124_2-4(20110824)	8/24/2011	6:20:00		X					
2401386835	ASB-124_6-8(20110824)	8/24/2011	5:45:00		X					
2401386836	ASB-125_3-5(20110825)	8/25/2011	9:18:00		X					
2401386838	ASB-126_6-8(20110825)	8/25/2011	11:10:00		X					
2401386840	ASB-126_2-4(20110825)	8/25/2011	11:35:00		X					
2401386841	ASB-127_0-2(20110825)	8/25/2011	1:40:00		X					
2401403023	ASB-125_6-8(20110825)	8/25/2011	9:05:00					X		
2401403025	ASB-126_6-8(20110825)	8/25/2011	11:10:00					X		
2401421929	ASB-124_2-4(20110824)	8/24/2011	6:20:00				X			
2401421930	ASB-124_6-8(20110824)	8/24/2011	5:45:00				X			
2401437310	ASB-124_2-4(20110824)	8/24/2011	6:20:00					X		
2401437311	ASB-124_6-8(20110824)	8/24/2011	5:45:00					X		
2401437312	ASB-125_3-5(20110825)	8/25/2011	9:18:00					X		
2401437313	ASB-126_2-4(20110825)	8/25/2011	11:35:00					X		
2401437314	ASB-127_0-2(20110825)	8/25/2011	1:40:00					X		
2401449521	ASB-125_6-8(20110825)	8/25/2011	9:05:00		X					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-124_6-8(20110824)				ASB-127_0-2(20110825)				MB-003(20110825)				ASB-125_6-8(20110825)			
		Lab Sample ID:	2401374912				2401374913				2401374914				2401374915				2401403023			
		Sample Date:	8/24/2011				8/24/2011				8/25/2011				8/25/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																						
	OSW-8260B																					
	Naphthalene	91-20-3	9.5	330	ug/kg	UB																
	Tetrahydrofuran	109-99-9	130	1300	ug/kg	UB	120	1200	ug/kg	UB	110	1200	ug/kg	UB	94	1000	ug/kg	UB				
GC Other																						
	PUBL-SW-141																					
	WI Diesel Range Organics (C10-C28)	E-1004																	3.2	10	mg/kg	UB

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-126_6-8(20110825)				ASB-124_6-8(20110824)				ASB-125_3-5(20110825)				ASB-126_2-4(20110825)				ASB-127_0-2(20110825)			
		Lab Sample ID:	2401403025				2401437311				2401437312				2401437313				2401437314			
		Sample Date:	8/25/2011				8/24/2011				8/25/2011				8/25/2011				8/25/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC																					
OSW-8260B																					
Naphthalene	91-20-3																				
Tetrahydrofuran	109-99-9																				
GC Other																					
PUBL-SW-141																					
WI Diesel Range Organics (C10-C28)	E-1004	4.3	11	mg/kg	UB	3.2	12	mg/kg	UB	3.5	11	mg/kg	UB	6.1	11	mg/kg	UB	7.2	10	mg/kg	UB

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_6-8(20110824)				ASB-127_0-2(20110825)			
		Lab Sample ID:	2401369210				2401369213			
		Sample Date:	8/24/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	44	ug/kg	---	ND	43	ug/kg	---
	Aroclor-1221	11104-28-2	ND	44	ug/kg	---	ND	43	ug/kg	---
	Aroclor-1232	11141-16-5	ND	44	ug/kg	---	ND	43	ug/kg	---
	Aroclor-1242	53469-21-9	ND	44	ug/kg	---	ND	43	ug/kg	---
	Aroclor-1248	12672-29-6	ND	44	ug/kg	---	ND	43	ug/kg	---
	Aroclor-1254	11097-69-1	ND	44	ug/kg	---	ND	43	ug/kg	---
	Aroclor-1260	11096-82-5	ND	44	ug/kg	---	ND	43	ug/kg	---
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-124_6-8(20110824)			
		Lab Sample ID:	2401374912				2401374913			
		Sample Date:	8/24/2011				8/24/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	330	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	660	ug/kg	---	ND	580	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	330	ug/kg	---	ND	290	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	330	ug/kg	---	ND	290	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	330	ug/kg	---	ND	290	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	330	ug/kg	---	ND	290	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	330	ug/kg	---	ND	290	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	330	ug/kg	---	ND	290	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	330	ug/kg	---	ND	290	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1300	ug/kg	---	ND	1200	ug/kg	---
2-Chlorotoluene	95-49-8	ND	330	ug/kg	---	ND	290	ug/kg	---
2-Hexanone	591-78-6	ND	1300	ug/kg	---	ND	1200	ug/kg	---
4-Chlorotoluene	106-43-4	ND	330	ug/kg	---	ND	290	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1300	ug/kg	---	ND	1200	ug/kg	---
Acetone	67-64-1	ND	1300	ug/kg	---	ND	1200	ug/kg	---
Allyl chloride	107-05-1	ND	660	ug/kg	---	ND	580	ug/kg	---
Benzene	71-43-2	ND	330	ug/kg	---	ND	290	ug/kg	---
Bromobenzene	108-86-1	ND	330	ug/kg	---	ND	290	ug/kg	---
Bromochloromethane	74-97-5	ND	330	ug/kg	---	ND	290	ug/kg	---
Bromodichloromethane	75-27-4	ND	330	ug/kg	---	ND	290	ug/kg	---
Bromoform	75-25-2	ND	330	ug/kg	---	ND	290	ug/kg	---
Bromomethane	74-83-9	ND	330	ug/kg	---	ND	290	ug/kg	---
Carbon disulfide	75-15-0	83	330	ug/kg	J	ND	290	ug/kg	---
Carbon tetrachloride	56-23-5	ND	330	ug/kg	---	ND	290	ug/kg	---
Chlorobenzene	108-90-7	ND	330	ug/kg	---	ND	290	ug/kg	---
Chlorodibromomethane	124-48-1	ND	330	ug/kg	---	ND	290	ug/kg	---
Chloroethane	75-00-3	ND	330	ug/kg	---	ND	290	ug/kg	---
Chloroform	67-66-3	ND	330	ug/kg	---	ND	290	ug/kg	---
Chloromethane	74-87-3	ND	330	ug/kg	---	ND	290	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	330	ug/kg	---	ND	290	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	330	ug/kg	---	ND	290	ug/kg	---
Cyclohexane	110-82-7	ND	660	ug/kg	---	ND	580	ug/kg	---
Dibromomethane	74-95-3	ND	330	ug/kg	---	ND	290	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	330	ug/kg	---	ND	290	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	660	ug/kg	---	ND	580	ug/kg	---
Ethyl ether	60-29-7	ND	660	ug/kg	---	ND	580	ug/kg	---
Ethylbenzene	100-41-4	ND	330	ug/kg	---	ND	290	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	330	ug/kg	---	ND	290	ug/kg	---
Isopropylbenzene	98-82-8	ND	330	ug/kg	---	ND	290	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	660	ug/kg	---	ND	580	ug/kg	---
Methyl acetate	79-20-9	510	660	ug/kg	J	ND	580	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	1300	ug/kg	---	ND	1200	ug/kg	---
Methylcyclohexane	108-87-2	ND	660	ug/kg	---	ND	580	ug/kg	---
Methylene Chloride	75-09-2	ND	330	ug/kg	---	ND	290	ug/kg	---
n-Butylbenzene	104-51-8	ND	330	ug/kg	---	ND	290	ug/kg	---
N-Propylbenzene	103-65-1	ND	330	ug/kg	---	ND	290	ug/kg	---
Naphthalene	91-20-3	9.5	330	ug/kg	UB	ND	290	ug/kg	---
o-Xylene	95-47-6	ND	330	ug/kg	---	ND	290	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	330	ug/kg	---	ND	290	ug/kg	---
sec-Butylbenzene	135-98-8	ND	330	ug/kg	---	ND	290	ug/kg	---
Styrene	100-42-5	ND	330	ug/kg	---	ND	290	ug/kg	---
tert-Butylbenzene	98-06-6	ND	330	ug/kg	---	ND	290	ug/kg	---
Tetrachloroethene	127-18-4	ND	330	ug/kg	---	ND	290	ug/kg	---
Tetrahydrofuran	109-99-9	130	1300	ug/kg	UB	120	1200	ug/kg	UB
Toluene	108-88-3	ND	330	ug/kg	---	ND	290	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	330	ug/kg	---	ND	290	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	330	ug/kg	---	ND	290	ug/kg	---
Trichloroethene	79-01-6	ND	330	ug/kg	---	ND	290	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	330	ug/kg	---	ND	290	ug/kg	---
Vinyl chloride	75-01-4	ND	330	ug/kg	---	ND	290	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-127_0-2(20110825)				MB-003(20110825)			
		Lab Sample ID:	2401374914				2401374915			
		Sample Date:	8/25/2011				8/25/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	290	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	580	ug/kg	---	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	290	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	290	ug/kg	---	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	290	ug/kg	---	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	290	ug/kg	---	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	290	ug/kg	---	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	290	ug/kg	---	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	290	ug/kg	---	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1200	ug/kg	---	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	290	ug/kg	---	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	1200	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	290	ug/kg	---	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1200	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1200	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	580	ug/kg	---	ND	500	ug/kg	---
Benzene	71-43-2	ND	290	ug/kg	---	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	290	ug/kg	---	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	290	ug/kg	---	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	290	ug/kg	---	ND	250	ug/kg	---
Bromoform	75-25-2	ND	290	ug/kg	---	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	290	ug/kg	---	ND	250	ug/kg	---
Carbon disulfide	75-15-0	56	290	ug/kg	J	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	290	ug/kg	---	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	290	ug/kg	---	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	290	ug/kg	---	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	290	ug/kg	---	ND	250	ug/kg	---
Chloroform	67-66-3	ND	290	ug/kg	---	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	290	ug/kg	---	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	290	ug/kg	---	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	290	ug/kg	---	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	580	ug/kg	---	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	290	ug/kg	---	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	290	ug/kg	---	ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	580	ug/kg	---	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	580	ug/kg	---	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	290	ug/kg	---	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	290	ug/kg	---	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	290	ug/kg	---	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	580	ug/kg	---	ND	500	ug/kg	---
Methyl acetate	79-20-9	280	580	ug/kg	J	ND	500	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	1200	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	580	ug/kg	---	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	290	ug/kg	---	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	290	ug/kg	---	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	290	ug/kg	---	ND	250	ug/kg	---
Naphthalene	91-20-3	ND	290	ug/kg	---	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	290	ug/kg	---	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	290	ug/kg	---	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	290	ug/kg	---	ND	250	ug/kg	---
Styrene	100-42-5	ND	290	ug/kg	---	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	290	ug/kg	---	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	290	ug/kg	---	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	110	1200	ug/kg	UB	94	1000	ug/kg	UB
Toluene	108-88-3	ND	290	ug/kg	---	ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	290	ug/kg	---	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	290	ug/kg	---	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	290	ug/kg	---	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	290	ug/kg	---	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	290	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-127_0-2(20110825)				ASB-124_6-8(20110824)				
		Lab Sample ID:	2401377914				2401377917				
		Sample Date:	8/25/2011				8/24/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6	0.024	0.12	mg/kg	J	0.018	0.10	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-125_6-8(20110825)			
		Lab Sample ID:	2401377918				2401377919			
		Sample Date:	8/24/2011				8/25/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6	0.095	0.090	mg/kg	---	0.016	0.10	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-126_6-8(20110825)				ASB-125_3-5(20110825)				
		Lab Sample ID:	2401377920				2401377921				
		Sample Date:	8/25/2011				8/25/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6	0.019	0.089	mg/kg	J	ND	0.12	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-126_2-4(20110825)				ASB-126_6-8(20110825)			
		Lab Sample ID:	2401377924				24013838100			
		Sample Date:	8/25/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2					4.7	1.1	mg/kg	---
	Barium	7440-39-3					17	22	mg/kg	J
	Cadmium	7440-43-9					ND	0.22	mg/kg	---
	Chromium	7440-47-3					15	0.56	mg/kg	---
	Lead	7439-92-1					2.6	0.33	mg/kg	---
	Selenium	7782-49-2					ND	0.56	mg/kg	---
	Silver	7440-22-4					ND	0.56	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6	0.025	0.12	mg/kg	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-125_3-5(20110825)				ASB-126_2-4(20110825)			
		Lab Sample ID:	24013838101				24013838102			
		Sample Date:	8/25/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2	4.7	1.1	mg/kg	---	5.8	1.2	mg/kg	---
	Barium	7440-39-3	23	22	mg/kg	---	110	23	mg/kg	---
	Cadmium	7440-43-9	ND	0.22	mg/kg	---	ND	0.23	mg/kg	---
	Chromium	7440-47-3	11	0.54	mg/kg	---	19	0.58	mg/kg	---
	Lead	7439-92-1	6.9	0.32	mg/kg	---	4.0	0.35	mg/kg	---
	Selenium	7782-49-2	ND	0.54	mg/kg	---	ND	0.58	mg/kg	---
	Silver	7440-22-4	ND	0.54	mg/kg	---	ND	0.58	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-127_0-2(20110825)				ASB-124_6-8(20110824)				
		Lab Sample ID:	2401383891				2401383895				
		Sample Date:	8/25/2011				8/24/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2	5.4	1.2	mg/kg	---	1.3	1.3	mg/kg	---
	Barium	7440-39-3	98	24	mg/kg	---	45	25	mg/kg	---
	Cadmium	7440-43-9	0.11	0.24	mg/kg	J	ND	0.25	mg/kg	---
	Chromium	7440-47-3	15	0.60	mg/kg	---	16	0.64	mg/kg	---
	Lead	7439-92-1	9.7	0.36	mg/kg	---	2.5	0.38	mg/kg	---
	Selenium	7782-49-2	ND	0.60	mg/kg	---	ND	0.64	mg/kg	---
	Silver	7440-22-4	ND	0.60	mg/kg	---	ND	0.64	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-125_6-8(20110825)			
		Lab Sample ID:	2401383896				2401383899			
		Sample Date:	8/24/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2	4.9	1.3	mg/kg	---	4.8	1.2	mg/kg	---
	Barium	7440-39-3	130	25	mg/kg	---	18	24	mg/kg	J
	Cadmium	7440-43-9	0.26	0.25	mg/kg	---	ND	0.24	mg/kg	---
	Chromium	7440-47-3	17	0.63	mg/kg	---	14	0.60	mg/kg	---
	Lead	7439-92-1	24	0.38	mg/kg	---	2.7	0.36	mg/kg	---
	Selenium	7782-49-2	0.94	0.63	mg/kg	---	ND	0.60	mg/kg	---
	Silver	7440-22-4	ND	0.63	mg/kg	---	ND	0.60	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-124_6-8(20110824)			
		Lab Sample ID:	2401386834				2401386835			
		Sample Date:	8/24/2011				8/24/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
OSW-8270C										
	1,1'-Biphenyl	92-52-4								
	2,2'-oxybis[1-chloropropane]	108-60-1								
	2,4,5-Trichlorophenol	95-95-4								
	2,4,6-Trichlorophenol	88-06-2								
	2,4-Dichlorophenol	120-83-2								
	2,4-Dimethylphenol	105-67-9								
	2,4-Dinitrophenol	51-28-5								
	2,4-Dinitrotoluene	121-14-2								
	2,6-Dinitrotoluene	606-20-2								
	2-Chloronaphthalene	91-58-7								
	2-Chlorophenol	95-57-8								
	2-Methylnaphthalene	91-57-6	22	420	ug/kg	J	ND	440	ug/kg	---
	2-Methylphenol	95-48-7								
	2-Nitroaniline	88-74-4								
	2-Nitrophenol	88-75-5								
	3 & 4 Methylphenol	65794-96-9								
	3,3'-Dichlorobenzidine	91-94-1								
	3-Nitroaniline	99-09-2								
	4,6-Dinitro-2-methylphenol	534-52-1								
	4-Bromophenyl phenyl ether	101-55-3								
	4-Chloro-3-methylphenol	59-50-7								
	4-Chloroaniline	106-47-8								
	4-Chlorophenyl phenyl ether	7005-72-3								
	4-Nitroaniline	100-01-6								
	4-Nitrophenol	100-02-7								
	Acenaphthene	83-32-9	ND	420	ug/kg	---	ND	440	ug/kg	---
	Acenaphthylene	208-96-8	4.5	420	ug/kg	J	ND	440	ug/kg	---
	Acetophenone	98-86-2								
	Anthracene	120-12-7	22	420	ug/kg	J	ND	440	ug/kg	---
	Atrazine	1912-24-9								
	Benzaldehyde	100-52-7								
	Benzo[a]anthracene	56-55-3	18	420	ug/kg	J	ND	440	ug/kg	---
	Benzo[a]pyrene	50-32-8	15	420	ug/kg	J	ND	440	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	27	420	ug/kg	J	ND	440	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	16	420	ug/kg	J	ND	440	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	15	420	ug/kg	J	ND	440	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1								
	Bis(2-chloroethyl)ether	111-44-4								
	Bis(2-ethylhexyl) phthalate	117-81-7								
	Butyl benzyl phthalate	85-68-7								
	Caprolactam	105-60-2								
	Carbazole	86-74-8								
	Chrysene	218-01-9	27	420	ug/kg	J	ND	440	ug/kg	---
	Di-n-butyl phthalate	84-74-2								
	Di-n-octyl phthalate	117-84-0								
	Dibenz(a,h)anthracene	53-70-3	ND	420	ug/kg	---	ND	440	ug/kg	---
	Dibenzofuran	132-64-9								
	Diethyl phthalate	84-66-2								
	Dimethyl phthalate	131-11-3								
	Fluoranthene	206-44-0	55	420	ug/kg	J	ND	440	ug/kg	---
	Fluorene	86-73-7	5.9	420	ug/kg	J	ND	440	ug/kg	---
	Hexachlorobenzene	118-74-1								
	Hexachlorobutadiene	87-68-3								
	Hexachlorocyclopentadiene	77-47-4								
	Hexachloroethane	67-72-1								
	Indeno[1,2,3-cd]pyrene	193-39-5	14	420	ug/kg	J	ND	440	ug/kg	---
	Isophorone	78-59-1								
	N-Nitrosodi-n-propylamine	621-64-7								
	N-Nitrosodiphenylamine	86-30-6								
	Naphthalene	91-20-3	16	420	ug/kg	J	ND	440	ug/kg	---
	Nitrobenzene	98-95-3								
	Pentachlorophenol	87-86-5								
	Phenanthrene	85-01-8	43	420	ug/kg	J	ND	440	ug/kg	---
	Phenol	108-95-2								
	Pyrene	129-00-0	44	420	ug/kg	J	ND	440	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-125_3-5(20110825)				ASB-126_6-8(20110825)			
		Lab Sample ID:	2401386836				2401386838			
		Sample Date:	8/25/2011				8/25/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4								
2,2'-oxybis[1-chloropropane]	108-60-1								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								
2,4-Dichlorophenol	120-83-2								
2,4-Dimethylphenol	105-67-9								
2,4-Dinitrophenol	51-28-5								
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Chlorophenol	95-57-8								
2-Methylnaphthalene	91-57-6	ND	400	ug/kg	---	ND	420	ug/kg	---
2-Methylphenol	95-48-7								
2-Nitroaniline	88-74-4								
2-Nitrophenol	88-75-5								
3 & 4 Methylphenol	65794-96-9								
3,3'-Dichlorobenzidine	91-94-1								
3-Nitroaniline	99-09-2								
4,6-Dinitro-2-methylphenol	534-52-1								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloro-3-methylphenol	59-50-7								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
4-Nitrophenol	100-02-7								
Acenaphthene	83-32-9	ND	400	ug/kg	---	ND	420	ug/kg	---
Acenaphthylene	208-96-8	ND	400	ug/kg	---	ND	420	ug/kg	---
Acetophenone	98-86-2								
Anthracene	120-12-7	ND	400	ug/kg	---	ND	420	ug/kg	---
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3	ND	400	ug/kg	---	ND	420	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	400	ug/kg	---	ND	420	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	400	ug/kg	---	ND	420	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	400	ug/kg	---	ND	420	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	400	ug/kg	---	ND	420	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9	ND	400	ug/kg	---	ND	420	ug/kg	---
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3	ND	400	ug/kg	---	ND	420	ug/kg	---
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0	ND	400	ug/kg	---	ND	420	ug/kg	---
Fluorene	86-73-7	ND	400	ug/kg	---	ND	420	ug/kg	---
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5	ND	400	ug/kg	---	ND	420	ug/kg	---
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3	ND	400	ug/kg	---	ND	420	ug/kg	---
Nitrobenzene	98-95-3								
Pentachlorophenol	87-86-5								
Phenanthrene	85-01-8	ND	400	ug/kg	---	ND	420	ug/kg	---
Phenol	108-95-2								
Pyrene	129-00-0	ND	400	ug/kg	---	ND	420	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-126_2-4(20110825)				ASB-127_0-2(20110825)			
		Lab Sample ID:	2401386840				2401386841			
		Sample Date:	8/25/2011				8/25/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
OSW-8270C										
	1,1'-Biphenyl	92-52-4					ND	430	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1					ND	430	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4					ND	430	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2					ND	430	ug/kg	---
	2,4-Dichlorophenol	120-83-2					ND	430	ug/kg	---
	2,4-Dimethylphenol	105-67-9					ND	430	ug/kg	---
	2,4-Dinitrophenol	51-28-5					ND	2100	ug/kg	---
	2,4-Dinitrotoluene	121-14-2					ND	430	ug/kg	---
	2,6-Dinitrotoluene	606-20-2					ND	430	ug/kg	---
	2-Chloronaphthalene	91-58-7					ND	430	ug/kg	---
	2-Chlorophenol	95-57-8					ND	430	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	420	ug/kg	---	ND	430	ug/kg	---
	2-Methylphenol	95-48-7					ND	430	ug/kg	---
	2-Nitroaniline	88-74-4					ND	2100	ug/kg	---
	2-Nitrophenol	88-75-5					ND	430	ug/kg	---
	3 & 4 Methylphenol	65794-96-9					ND	520	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1					ND	2100	ug/kg	---
	3-Nitroaniline	99-09-2					ND	2100	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1					ND	2100	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3					ND	430	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7					ND	430	ug/kg	---
	4-Chloroaniline	106-47-8					ND	430	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3					ND	430	ug/kg	---
	4-Nitroaniline	100-01-6					ND	2100	ug/kg	---
	4-Nitrophenol	100-02-7					ND	2100	ug/kg	---
	Acenaphthene	83-32-9	ND	420	ug/kg	---	ND	430	ug/kg	---
	Acenaphthylene	208-96-8	ND	420	ug/kg	---	ND	430	ug/kg	---
	Acetophenone	98-86-2					14	430	ug/kg	J
	Anthracene	120-12-7	ND	420	ug/kg	---	ND	430	ug/kg	---
	Atrazine	1912-24-9					ND	430	ug/kg	---
	Benzaldehyde	100-52-7					56	430	ug/kg	J
	Benzo[a]anthracene	56-55-3	ND	420	ug/kg	---	8.2	430	ug/kg	J
	Benzo[a]pyrene	50-32-8	ND	420	ug/kg	---	6.2	430	ug/kg	J
	Benzo[b]fluoranthene	205-99-2	ND	420	ug/kg	---	12	430	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	ND	420	ug/kg	---	8.4	430	ug/kg	J
	Benzo[k]fluoranthene	207-08-9	ND	420	ug/kg	---	6.3	430	ug/kg	J
	Bis(2-chloroethoxy)methane	111-91-1					ND	430	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4					ND	430	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7					ND	430	ug/kg	---
	Butyl benzyl phthalate	85-68-7					ND	430	ug/kg	---
	Caprolactam	105-60-2					ND	430	ug/kg	---
	Carbazole	86-74-8					ND	430	ug/kg	---
	Chrysene	218-01-9	ND	420	ug/kg	---	13	430	ug/kg	J
	Di-n-butyl phthalate	84-74-2					ND	430	ug/kg	---
	Di-n-octyl phthalate	117-84-0					ND	430	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	420	ug/kg	---	ND	430	ug/kg	---
	Dibenzofuran	132-64-9					ND	430	ug/kg	---
	Diethyl phthalate	84-66-2					ND	430	ug/kg	---
	Dimethyl phthalate	131-11-3					ND	430	ug/kg	---
	Fluoranthene	206-44-0	ND	420	ug/kg	---	22	430	ug/kg	J
	Fluorene	86-73-7	ND	420	ug/kg	---	ND	430	ug/kg	---
	Hexachlorobenzene	118-74-1					ND	430	ug/kg	---
	Hexachlorobutadiene	87-68-3					ND	430	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4					ND	2100	ug/kg	---
	Hexachloroethane	67-72-1					ND	430	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	420	ug/kg	---	ND	430	ug/kg	---
	Isophorone	78-59-1					ND	430	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7					ND	430	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6					ND	430	ug/kg	---
	Naphthalene	91-20-3	ND	420	ug/kg	---	11	430	ug/kg	J
	Nitrobenzene	98-95-3					ND	430	ug/kg	---
	Pentachlorophenol	87-86-5					ND	430	ug/kg	---
	Phenanthrene	85-01-8	ND	420	ug/kg	---	12	430	ug/kg	J
	Phenol	108-95-2					ND	430	ug/kg	---
	Pyrene	129-00-0	ND	420	ug/kg	---	16	430	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-125_6-8(20110825)				ASB-126_6-8(20110825)				
		Lab Sample ID:	2401403023				2401403025				
		Sample Date:	8/25/2011				8/25/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	3.2	10	mg/kg	UB	4.3	11	mg/kg	UB
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-124_6-8(20110824)				
		Lab Sample ID:	2401421929				2401421930				
		Sample Date:	8/24/2011				8/24/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	13	mg/kg	---	ND	13	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-124_2-4(20110824)				ASB-124_6-8(20110824)				
		Lab Sample ID:	2401437310				2401437311				
		Sample Date:	8/24/2011				8/24/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	29	12	mg/kg	---	3.2	12	mg/kg	UB
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-125_3-5(20110825)				ASB-126_2-4(20110825)				
		Lab Sample ID:	2401437312				2401437313				
		Sample Date:	8/25/2011				8/25/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	3.5	11	mg/kg	UB	6.1	11	mg/kg	UB
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-127_0-2(20110825)				ASB-125_6-8(20110825)			
		Lab Sample ID:	2401437314				2401449521			
		Sample Date:	8/25/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
OSW-8270C										
	1,1'-Biphenyl	92-52-4								
	2,2'-oxybis[1-chloropropane]	108-60-1								
	2,4,5-Trichlorophenol	95-95-4								
	2,4,6-Trichlorophenol	88-06-2								
	2,4-Dichlorophenol	120-83-2								
	2,4-Dimethylphenol	105-67-9								
	2,4-Dinitrophenol	51-28-5								
	2,4-Dinitrotoluene	121-14-2								
	2,6-Dinitrotoluene	606-20-2								
	2-Chloronaphthalene	91-58-7								
	2-Chlorophenol	95-57-8								
	2-Methylnaphthalene	91-57-6					ND	420	ug/kg	---
	2-Methylphenol	95-48-7								
	2-Nitroaniline	88-74-4								
	2-Nitrophenol	88-75-5								
	3 & 4 Methylphenol	65794-96-9								
	3,3'-Dichlorobenzidine	91-94-1								
	3-Nitroaniline	99-09-2								
	4,6-Dinitro-2-methylphenol	534-52-1								
	4-Bromophenyl phenyl ether	101-55-3								
	4-Chloro-3-methylphenol	59-50-7								
	4-Chloroaniline	106-47-8								
	4-Chlorophenyl phenyl ether	7005-72-3								
	4-Nitroaniline	100-01-6								
	4-Nitrophenol	100-02-7								
	Acenaphthene	83-32-9					ND	420	ug/kg	---
	Acenaphthylene	208-96-8					ND	420	ug/kg	---
	Acetophenone	98-86-2								
	Anthracene	120-12-7					ND	420	ug/kg	---
	Atrazine	1912-24-9								
	Benzaldehyde	100-52-7								
	Benzo[a]anthracene	56-55-3					ND	420	ug/kg	---
	Benzo[a]pyrene	50-32-8					ND	420	ug/kg	---
	Benzo[b]fluoranthene	205-99-2					ND	420	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2					ND	420	ug/kg	---
	Benzo[k]fluoranthene	207-08-9					ND	420	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1								
	Bis(2-chloroethyl)ether	111-44-4								
	Bis(2-ethylhexyl) phthalate	117-81-7								
	Butyl benzyl phthalate	85-68-7								
	Caprolactam	105-60-2								
	Carbazole	86-74-8								
	Chrysene	218-01-9					ND	420	ug/kg	---
	Di-n-butyl phthalate	84-74-2								
	Di-n-octyl phthalate	117-84-0								
	Dibenz(a,h)anthracene	53-70-3					ND	420	ug/kg	---
	Dibenzofuran	132-64-9								
	Diethyl phthalate	84-66-2								
	Dimethyl phthalate	131-11-3								
	Fluoranthene	206-44-0					ND	420	ug/kg	---
	Fluorene	86-73-7					ND	420	ug/kg	---
	Hexachlorobenzene	118-74-1								
	Hexachlorobutadiene	87-68-3								
	Hexachlorocyclopentadiene	77-47-4								
	Hexachloroethane	67-72-1								
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	420	ug/kg	---
	Isophorone	78-59-1								
	N-Nitrosodi-n-propylamine	621-64-7								
	N-Nitrosodiphenylamine	86-30-6								
	Naphthalene	91-20-3					ND	420	ug/kg	---
	Nitrobenzene	98-95-3								
	Pentachlorophenol	87-86-5								
	Phenanthrene	85-01-8					ND	420	ug/kg	---
	Phenol	108-95-2								
	Pyrene	129-00-0					ND	420	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3228-1

		Sample Name:	ASB-127_0-2(20110825)				ASB-125_6-8(20110825)				
		Lab Sample ID:	2401437314				2401449521				
		Sample Date:	8/25/2011				8/25/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	7.2	10	mg/kg	UB				
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

September 21, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3236-1
Sample date: 2011-08-24 2011-08-25
Report received by Enovis: 2011-09-19
Initial Data Verification completed by Enovis: 2011-09-21

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 13679 had detections below the RL for naphthalene and tetrahydrofuran. Client sample -001 result for naphthalene and client sample -003 result for tetrahydrofuran should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had a detection for tetrahydrofuran that was considered to be non-detect at the RL and qualified with a UB flag. No other detections were reported for this trip blank.

GCMS VOC, GCMS SVOC, DRO and GRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

DRO (C10-C28) method blank had a detection below the RL. Client sample -001 DRO result should be considered to be non-detect at the concentration reported and qualified with a B flag.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantitate target analytes for client sample -002 GCMS VOC and GRO results.

PCB QC batch MS/Surrogate recovery outliers were not performed on a sample from this submittal. Qualification of client sample results was not required based on these sample-matrix specific QC outliers.

GCMS VOC LCS recoveries for QC batch 13679 were outside of laboratory control limits biased high for 4-methyl-2-pentanone. Qualification of client sample results was not required based on this high bias QC outlier.

Metals method blank had a detection below the RL for barium. Qualification of client sample results was not required based on this method blank detection.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3236-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401369212	ASB-123_6-8(20110824)	8/24/2011	4:15:00			X				
2401374910	ASB-123_2-4(20110824)	8/24/2011	4:30:00	X						
2401374911	MB-002(20110825)	8/25/2011	12:00:00	X						
240137499	ASB-123_6-8(20110824)	8/24/2011	4:15:00	X						
2401377925	ASB-123_6-8(20110824)	8/24/2011	4:15:00							X
2401377926	ASB-123_2-4(20110824)	8/24/2011	4:30:00							X
24013838103	ASB-123_6-8(20110824)	8/24/2011	4:15:00						X	
24013838104	ASB-123_2-4(20110824)	8/24/2011	4:30:00						X	
2401385920	ASB-123_2-4(20110824)	8/24/2011	4:30:00			X				
2401386839	ASB-123_6-8(20110824)	8/24/2011	4:15:00		X					
2401421037	ASB-123_2-4(20110824)	8/24/2011	4:30:00		X					
2401421931	ASB-123_2-4(20110824)	8/24/2011	4:30:00				X			
2401421932	ASB-123_6-8(20110824)	8/24/2011	4:15:00				X			
240143738	ASB-123_2-4(20110824)	8/24/2011	4:30:00					X		
240143739	ASB-123_6-8(20110824)	8/24/2011	4:15:00					X		

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_2-4(20110824)				MB-002(20110825)				ASB-123_2-4(20110824)			
		Lab Sample ID:	2401374910				2401374911				240143738			
		Sample Date:	8/24/2011				8/25/2011				8/24/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC														
OSW-8260B														
Naphthalene	91-20-3		18	300	ug/kg	UB								
Tetrahydrofuran	109-99-9						92	1000	ug/kg	UB				
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004										12	10	mg/kg	B

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_6-8(20110824)				ASB-123_2-4(20110824)			
		Lab Sample ID:	2401369212				2401374910			
		Sample Date:	8/24/2011				8/24/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6					ND	300	ug/kg	---
1,1,1-Trichloroethane	71-55-6					ND	300	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5					ND	300	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	300	ug/kg	---
1,1,2-Trichloroethane	79-00-5					ND	300	ug/kg	---
1,1-Dichloroethane	75-34-3					ND	300	ug/kg	---
1,1-Dichloroethene	75-35-4					ND	300	ug/kg	---
1,1-Dichloropropene	563-58-6					ND	300	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6					ND	300	ug/kg	---
1,2,3-Trichloropropane	96-18-4					ND	300	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1					ND	300	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6					120	300	ug/kg	J
1,2-Dibromo-3-Chloropropane	96-12-8					ND	600	ug/kg	---
1,2-Dibromoethane	106-93-4					ND	300	ug/kg	---
1,2-Dichlorobenzene	95-50-1					ND	300	ug/kg	---
1,2-Dichloroethane	107-06-2					ND	300	ug/kg	---
1,2-Dichloropropane	78-87-5					ND	300	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8					110	300	ug/kg	J
1,3-Dichlorobenzene	541-73-1					ND	300	ug/kg	---
1,3-Dichloropropane	142-28-9					ND	300	ug/kg	---
1,4-Dichlorobenzene	106-46-7					ND	300	ug/kg	---
2,2-Dichloropropane	594-20-7					ND	300	ug/kg	---
2-Butanone (MEK)	78-93-3					ND	1200	ug/kg	---
2-Chlorotoluene	95-49-8					ND	300	ug/kg	---
2-Hexanone	591-78-6					ND	1200	ug/kg	---
4-Chlorotoluene	106-43-4					ND	300	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1					ND	1200	ug/kg	---
Acetone	67-64-1					ND	1200	ug/kg	---
Allyl chloride	107-05-1					ND	600	ug/kg	---
Benzene	71-43-2					ND	300	ug/kg	---
Bromobenzene	108-86-1					ND	300	ug/kg	---
Bromochloromethane	74-97-5					ND	300	ug/kg	---
Bromodichloromethane	75-27-4					ND	300	ug/kg	---
Bromoform	75-25-2					ND	300	ug/kg	---
Bromomethane	74-83-9					ND	300	ug/kg	---
Carbon disulfide	75-15-0					ND	300	ug/kg	---
Carbon tetrachloride	56-23-5					ND	300	ug/kg	---
Chlorobenzene	108-90-7					ND	300	ug/kg	---
Chlorodibromomethane	124-48-1					ND	300	ug/kg	---
Chloroethane	75-00-3					ND	300	ug/kg	---
Chloroform	67-66-3					ND	300	ug/kg	---
Chloromethane	74-87-3					ND	300	ug/kg	---
cis-1,2-Dichloroethene	156-59-2					ND	300	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5					ND	300	ug/kg	---
Cyclohexane	110-82-7					670	600	ug/kg	---
Dibromomethane	74-95-3					ND	300	ug/kg	---
Dichlorodifluoromethane	75-71-8					ND	300	ug/kg	---
Dichlorofluoromethane	75-43-4					ND	600	ug/kg	---
Ethyl ether	60-29-7					ND	600	ug/kg	---
Ethylbenzene	100-41-4					150	300	ug/kg	J
Hexachlorobutadiene	87-68-3					ND	300	ug/kg	---
Isopropylbenzene	98-82-8					42	300	ug/kg	J
m-Xylene & p-Xylene	179601-23-1					150	600	ug/kg	J
Methyl acetate	79-20-9					140	600	ug/kg	J
Methyl tert butyl ether	1634-04-4					ND	1200	ug/kg	---
Methylcyclohexane	108-87-2					520	600	ug/kg	J
Methylene Chloride	75-09-2					ND	300	ug/kg	---
n-Butylbenzene	104-51-8					13	300	ug/kg	J
N-Propylbenzene	103-65-1					170	300	ug/kg	J
Naphthalene	91-20-3					18	300	ug/kg	UB
o-Xylene	95-47-6					73	300	ug/kg	J
p-Isopropyltoluene	99-87-6					ND	300	ug/kg	---
sec-Butylbenzene	135-98-8					ND	300	ug/kg	---
Styrene	100-42-5					ND	300	ug/kg	---
tert-Butylbenzene	98-06-6					ND	300	ug/kg	---
Tetrachloroethene	127-18-4					ND	300	ug/kg	---
Tetrahydrofuran	109-99-9					ND	1200	ug/kg	---
Toluene	108-88-3					41	300	ug/kg	J
trans-1,2-Dichloroethene	156-60-5					ND	300	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6					ND	300	ug/kg	---
Trichloroethene	79-01-6					ND	300	ug/kg	---
Trichlorofluoromethane	75-69-4					ND	300	ug/kg	---
Vinyl chloride	75-01-4					ND	300	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_6-8(20110824)				ASB-123_2-4(20110824)			
		Lab Sample ID:	2401369212				2401374910			
		Sample Date:	8/24/2011				8/24/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2	ND	45	ug/kg	---				
Aroclor-1221	11104-28-2	ND	45	ug/kg	---				
Aroclor-1232	11141-16-5	ND	45	ug/kg	---				
Aroclor-1242	53469-21-9	ND	45	ug/kg	---				
Aroclor-1248	12672-29-6	ND	45	ug/kg	---				
Aroclor-1254	11097-69-1	ND	45	ug/kg	---				
Aroclor-1260	11096-82-5	ND	45	ug/kg	---				
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	MB-002(20110825)				ASB-123_6-8(20110824)			
		Lab Sample ID:	2401374911				240137499			
		Sample Date:	8/25/2011				8/24/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---	31000	1300	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---	ND	2700	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---	9500	1300	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---	ND	1300	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---	ND	1300	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	5400	ug/kg	---
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---	ND	1300	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	5400	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---	ND	2700	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---	8400	1300	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---	ND	1300	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---	ND	1300	ug/kg	---
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---	11000	2700	ug/kg	---
Dibromomethane	74-95-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---	ND	1300	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---	ND	2700	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---	ND	2700	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---	15000	1300	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---	1200	1300	ug/kg	J
m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---	47000	2700	ug/kg	---
Methyl acetate	79-20-9	ND	500	ug/kg	---	ND	2700	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Methylcyclohexane	108-87-2	ND	500	ug/kg	---	6400	2700	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---	2700	1300	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---	6400	1300	ug/kg	---
Naphthalene	91-20-3	ND	250	ug/kg	---	3600	1300	ug/kg	---
o-Xylene	95-47-6	ND	250	ug/kg	---	16000	1300	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---	240	1300	ug/kg	J
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---	580	1300	ug/kg	J
Styrene	100-42-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Tetrahydrofuran	109-99-9	92	1000	ug/kg	UB	ND	5400	ug/kg	---
Toluene	108-88-3	ND	250	ug/kg	---	24000	1300	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	1300	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

Analyte	Cas No.	Sample Name:	ASB-123_6-8(20110824)				ASB-123_2-4(20110824)			
		Lab Sample ID:	2401377925				2401377926			
		Sample Date:	8/24/2011				8/24/2011			
			Result	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
OSW-8270C										
2-Methylnaphthalene	91-57-6									
Acenaphthene	83-32-9									
Acenaphthylene	208-96-8									
Anthracene	120-12-7									
Benzo[a]anthracene	56-55-3									
Benzo[a]pyrene	50-32-8									
Benzo[b]fluoranthene	205-99-2									
Benzo[g,h,i]perylene	191-24-2									
Benzo[k]fluoranthene	207-08-9									
Chrysene	218-01-9									
Dibenz(a,h)anthracene	53-70-3									
Fluoranthene	206-44-0									
Fluorene	86-73-7									
Indeno[1,2,3-cd]pyrene	193-39-5									
Naphthalene	91-20-3									
Phenanthrene	85-01-8									
Pyrene	129-00-0									
Pest & PCB										
OSW-8082										
Aroclor-1016	12674-11-2									
Aroclor-1221	11104-28-2									
Aroclor-1232	11141-16-5									
Aroclor-1242	53469-21-9									
Aroclor-1248	12672-29-6									
Aroclor-1254	11097-69-1									
Aroclor-1260	11096-82-5									
GC VOC										
PUBL-SW-140										
WI Gasoline Range Organics (C6-C10)	E-1005									
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004									
Metals										
OSW-6010B										
Arsenic	7440-38-2									
Barium	7440-39-3									
Cadmium	7440-43-9									
Chromium	7440-47-3									
Lead	7439-92-1									
Selenium	7782-49-2									
Silver	7440-22-4									
OSW-7471A										
Mercury	7439-97-6		0.036	0.096	mg/kg	J	0.022	0.11	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_6-8(20110824)				ASB-123_2-4(20110824)			
		Lab Sample ID:	24013838103				24013838104			
		Sample Date:	8/24/2011				8/24/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2	3.4	1.1	mg/kg	---	4.0	1.1	mg/kg	---
Barium	7440-39-3	88	23	mg/kg	---	99	21	mg/kg	---
Cadmium	7440-43-9	0.30	0.23	mg/kg	---	0.068	0.21	mg/kg	J
Chromium	7440-47-3	11	0.56	mg/kg	---	15	0.53	mg/kg	---
Lead	7439-92-1	12	0.34	mg/kg	---	7.6	0.32	mg/kg	---
Selenium	7782-49-2	0.55	0.56	mg/kg	J	0.66	0.53	mg/kg	---
Silver	7440-22-4	ND	0.56	mg/kg	---	ND	0.53	mg/kg	---
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_2-4(20110824)				ASB-123_6-8(20110824)			
		Lab Sample ID:	2401385920				2401386839			
		Sample Date:	8/24/2011				8/24/2011			
				Report		Valid		Report		Valid
Analyte		Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					1400	920	ug/kg	---
	Acenaphthene	83-32-9					ND	920	ug/kg	---
	Acenaphthylene	208-96-8					ND	920	ug/kg	---
	Anthracene	120-12-7					ND	920	ug/kg	---
	Benzo[a]anthracene	56-55-3					ND	920	ug/kg	---
	Benzo[a]pyrene	50-32-8					ND	920	ug/kg	---
	Benzo[b]fluoranthene	205-99-2					ND	920	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2					ND	920	ug/kg	---
	Benzo[k]fluoranthene	207-08-9					ND	920	ug/kg	---
	Chrysene	218-01-9					ND	920	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3					ND	920	ug/kg	---
	Fluoranthene	206-44-0					31	920	ug/kg	J
	Fluorene	86-73-7					18	920	ug/kg	J
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	920	ug/kg	---
	Naphthalene	91-20-3					980	920	ug/kg	---
	Phenanthrene	85-01-8					41	920	ug/kg	J
	Pyrene	129-00-0					32	920	ug/kg	J
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	42	ug/kg	---				
	Aroclor-1221	11104-28-2	ND	42	ug/kg	---				
	Aroclor-1232	11141-16-5	ND	42	ug/kg	---				
	Aroclor-1242	53469-21-9	ND	42	ug/kg	---				
	Aroclor-1248	12672-29-6	ND	42	ug/kg	---				
	Aroclor-1254	11097-69-1	ND	42	ug/kg	---				
	Aroclor-1260	11096-82-5	ND	42	ug/kg	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_2-4(20110824)				ASB-123_2-4(20110824)			
		Lab Sample ID:	2401421037				2401421931			
		Sample Date:	8/24/2011				8/24/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	5.4	420	ug/kg	J				
	Acenaphthene	83-32-9	15	420	ug/kg	J				
	Acenaphthylene	208-96-8	ND	420	ug/kg	---				
	Anthracene	120-12-7	ND	420	ug/kg	---				
	Benzo[a]anthracene	56-55-3	ND	420	ug/kg	---				
	Benzo[a]pyrene	50-32-8	5.3	420	ug/kg	J				
	Benzo[b]fluoranthene	205-99-2	ND	420	ug/kg	---				
	Benzo[g,h,i]perylene	191-24-2	ND	420	ug/kg	---				
	Benzo[k]fluoranthene	207-08-9	ND	420	ug/kg	---				
	Chrysene	218-01-9	ND	420	ug/kg	---				
	Dibenz(a,h)anthracene	53-70-3	ND	420	ug/kg	---				
	Fluoranthene	206-44-0	16	420	ug/kg	J				
	Fluorene	86-73-7	8.6	420	ug/kg	J				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	420	ug/kg	---				
	Naphthalene	91-20-3	8.8	420	ug/kg	J				
	Phenanthrene	85-01-8	13	420	ug/kg	J				
	Pyrene	129-00-0	11	420	ug/kg	J				
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005					39	12	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

		Sample Name:	ASB-123_6-8(20110824)				ASB-123_2-4(20110824)			
		Lab Sample ID:	2401421932				240143738			
		Sample Date:	8/24/2011				8/24/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	390	140	mg/kg	---				
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004					12	10	mg/kg	B
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3236-1

Sample Name: ASB-123_6-8(20110824)
Lab Sample ID: 240143739
Sample Date: 8/24/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
2-Methylnaphthalene	91-57-6				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Anthracene	120-12-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Chrysene	218-01-9				
Dibenz(a,h)anthracene	53-70-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Indeno[1,2,3-cd]pyrene	193-39-5				
Naphthalene	91-20-3				
Phenanthrene	85-01-8				
Pyrene	129-00-0				
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005				
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004	46	12	mg/kg	---
Metals					
OSW-6010B					
Arsenic	7440-38-2				
Barium	7440-39-3				
Cadmium	7440-43-9				
Chromium	7440-47-3				
Lead	7439-92-1				
Selenium	7782-49-2				
Silver	7440-22-4				
OSW-7471A					
Mercury	7439-97-6				

September 21, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3264-1
Sample date: 2011-08-23 2011-08-24
Report received by Enovis: 2011-09-19
Initial Data Verification completed by Enovis: 2011-09-21

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Water sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Water trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 14331 had a detection below the RL for methylene chloride. Client sample -001 result for this analyte should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC and GRO containers for sample -003 were preserved at a pH level greater than 2. Client sample -003 GCMS VOC and GRO results should all be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect.

GCMS VOC, GCMS SVOC, DRO, GRO and PCB QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

DRO method blank for QC batch 13555 had a detection below the RL. Qualification of client sample results is not required based on this method blank detection.

PCB LCS recovery for QC batch 13725 was outside of laboratory control limits biased low for aroclor 1016. The sample was re-prepped outside of the EPA recommended hold time so the PCB results for QC batch 14650 for client sample -001 should be considered to be estimated and qualified with UJ flags.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantitate target analytes for client sample -001 GCMS VOC results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3264-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	Dissolved ICP Metals	Dissolved Mercury	ICP Metals
2401416810	ASB-120_6-11(20110823)	8/24/2011	9:10:00				X				
240141689	ASB-118_8-12(20110823)	8/23/2011	12:45:00				X				
2401418374	ASB-120_6-11(20110823)	8/24/2011	9:10:00								X
2401418379	ASB-118_8-12(20110823)	8/23/2011	12:45:00						X		
2401433111	ASB-118_8-12(20110823)	8/23/2011	12:45:00	X							
2401433114	TB-002(20110824)	8/24/2011	12:00:00	X							
2401433115	ASB-120_6-11(20110823)	8/24/2011	9:10:00	X							
2401437318	ASB-118_8-12(20110823)	8/23/2011	12:45:00					X			
2401437319	ASB-120_6-11(20110823)	8/24/2011	9:10:00					X			
2401437421	ASB-118_8-12(20110823)	8/23/2011	12:45:00		X						
2401446325	ASB-118_8-12(20110823)	8/23/2011	12:45:00							X	
2401474413	ASB-118_8-12(20110823)	8/23/2011	12:45:00			X					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-118_8-12(20110823)				ASB-120_6-11(20110823)				ASB-118_8-12(20110823)			
		Lab Sample ID:	2401433111				2401433115				2401474413			
		Sample Date:	8/23/2011				8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
	OSW-8260B													
	1,1,1,2-Tetrachloroethane	630-20-6					ND	1.0	ug/l	UJ				
	1,1,1-Trichloroethane	71-55-6					ND	1.0	ug/l	UJ				
	1,1,2,2-Tetrachloroethane	79-34-5					ND	1.0	ug/l	UJ				
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	1.0	ug/l	UJ				
	1,1,2-Trichloroethane	79-00-5					ND	1.0	ug/l	UJ				
	1,1-Dichloroethane	75-34-3					ND	1.0	ug/l	UJ				
	1,1-Dichloroethene	75-35-4					ND	1.0	ug/l	UJ				
	1,1-Dichloropropene	563-58-6					ND	1.0	ug/l	UJ				
	1,2,3-Trichlorobenzene	87-61-6					ND	1.0	ug/l	UJ				
	1,2,3-Trichloropropane	96-18-4					ND	1.0	ug/l	UJ				
	1,2,4-Trichlorobenzene	120-82-1					ND	1.0	ug/l	UJ				
	1,2,4-Trimethylbenzene	95-63-6					ND	1.0	ug/l	UJ				
	1,2-Dibromo-3-Chloropropane	96-12-8					ND	2.0	ug/l	UJ				
	1,2-Dibromoethane	106-93-4					ND	1.0	ug/l	UJ				
	1,2-Dichlorobenzene	95-50-1					ND	1.0	ug/l	UJ				
	1,2-Dichloroethane	107-06-2					ND	1.0	ug/l	UJ				
	1,2-Dichloropropane	78-87-5					ND	1.0	ug/l	UJ				
	1,3,5-Trimethylbenzene	108-67-8					ND	1.0	ug/l	UJ				
	1,3-Dichlorobenzene	541-73-1					ND	1.0	ug/l	UJ				
	1,3-Dichloropropane	142-28-9					ND	1.0	ug/l	UJ				
	1,4-Dichlorobenzene	106-46-7					ND	1.0	ug/l	UJ				
	2,2-Dichloropropane	594-20-7					ND	1.0	ug/l	UJ				
	2-Chlorotoluene	95-49-8					ND	1.0	ug/l	UJ				
	2-Hexanone	591-78-6					ND	10	ug/l	UJ				
	4-Chlorotoluene	106-43-4					ND	1.0	ug/l	UJ				
	4-Methyl-2-pentanone (MIBK)	108-10-1					ND	5.0	ug/l	UJ				
	Allyl chloride	107-05-1					ND	2.0	ug/l	UJ				
	Benzene	71-43-2					17	1.0	ug/l	J				
	Bromobenzene	108-86-1					ND	1.0	ug/l	UJ				
	Bromochloromethane	74-97-5					ND	1.0	ug/l	UJ				
	Bromodichloromethane	75-27-4					ND	1.0	ug/l	UJ				
	Bromoform	75-25-2					ND	1.0	ug/l	UJ				
	Bromomethane	74-83-9					ND	1.0	ug/l	UJ				
	Carbon tetrachloride	56-23-5					ND	1.0	ug/l	UJ				
	Chlorobenzene	108-90-7					ND	1.0	ug/l	UJ				
	Chlorodibromomethane	124-48-1					ND	1.0	ug/l	UJ				
	Chloroethane	75-00-3					ND	1.0	ug/l	UJ				
	Chloroform	67-66-3					ND	1.0	ug/l	UJ				
	Chloromethane	74-87-3					ND	1.0	ug/l	UJ				
	cis-1,2-Dichloroethene	156-59-2					ND	1.0	ug/l	UJ				
	cis-1,3-Dichloropropene	10061-01-5					ND	1.0	ug/l	UJ				
	Cyclohexane	110-82-7					16	1.0	ug/l	J				
	Dibromomethane	74-95-3					ND	1.0	ug/l	UJ				
	Dichlorodifluoromethane	75-71-8					ND	1.0	ug/l	UJ				
	Dichlorofluoromethane	75-43-4					ND	1.0	ug/l	UJ				
	Ethyl ether	60-29-7					ND	1.0	ug/l	UJ				
	Ethylbenzene	100-41-4					ND	1.0	ug/l	UJ				
	Hexachlorobutadiene	87-68-3					ND	1.0	ug/l	UJ				
	Isopropylbenzene	98-82-8					ND	1.0	ug/l	UJ				
	m-Xylene & p-Xylene	179601-23-1					2.0	2.0	ug/l	J				
	Methyl acetate	79-20-9					ND	10	ug/l	UJ				
	Methyl tert butyl ether	1634-04-4					19	2.0	ug/l	J				
	Methylene Chloride	75-09-2	3.1	5.0	ug/l	UB	ND	1.0	ug/l	UJ				
	n-Butylbenzene	104-51-8					ND	1.0	ug/l	UJ				
	N-Propylbenzene	103-65-1					ND	1.0	ug/l	UJ				
	Naphthalene	91-20-3					ND	1.0	ug/l	UJ				
	p-Isopropyltoluene	99-87-6					ND	1.0	ug/l	UJ				
	sec-Butylbenzene	135-98-8					ND	1.0	ug/l	UJ				
	Styrene	100-42-5					ND	1.0	ug/l	UJ				
	tert-Butylbenzene	98-06-6					ND	1.0	ug/l	UJ				
	Tetrachloroethene	127-18-4					ND	1.0	ug/l	UJ				
	Tetrahydrofuran	109-99-9					ND	5.0	ug/l	UJ				
	trans-1,2-Dichloroethene	156-60-5					ND	1.0	ug/l	UJ				
	trans-1,3-Dichloropropene	10061-02-6					ND	1.0	ug/l	UJ				
	Trichloroethene	79-01-6					ND	1.0	ug/l	UJ				
	Trichlorofluoromethane	75-69-4					ND	1.0	ug/l	UJ				
	Vinyl chloride	75-01-4					ND	1.0	ug/l	UJ				
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2									ND	0.20	ug/l	UJ
	Aroclor-1221	11104-28-2									ND	0.20	ug/l	UJ
	Aroclor-1232	11141-16-5									ND	0.20	ug/l	UJ
	Aroclor-1242	53469-21-9									ND	0.20	ug/l	UJ
	Aroclor-1248	12672-29-6									ND	0.20	ug/l	UJ
	Aroclor-1254	11097-69-1									ND	0.20	ug/l	UJ
	Aroclor-1260	11096-82-5									ND	0.20	ug/l	UJ

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-120_6-11(20110823)				ASB-118_8-12(20110823)			
		Lab Sample ID:	2401416810				240141689			
		Sample Date:	8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	88	100	ug/l	J	770	100	ug/l	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead	7439-92-1								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-120_6-11(20110823)				ASB-118_8-12(20110823)			
		Lab Sample ID:	2401418374				2401418379			
		Sample Date:	8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2					8.0	10	ug/l	J
	Barium - Dissolved	7440-39-3					130	200	ug/l	J
	Cadmium - Dissolved	7440-43-9					ND	5.0	ug/l	---
	Chromium - Dissolved	7440-47-3					ND	10	ug/l	---
	Lead	7439-92-1	ND	3.0	ug/l	---				
	Lead - Dissolved	7439-92-1					ND	3.0	ug/l	---
	Selenium - Dissolved	7782-49-2					ND	5.0	ug/l	---
	Silver - Dissolved	7440-22-4					ND	10	ug/l	---
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-118_8-12(20110823)				TB-002(20110824)			
		Lab Sample ID:	2401433111				2401433114			
		Sample Date:	8/23/2011				8/24/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	1.8	5.0	ug/l	J	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	3.3	5.0	ug/l	J	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	5.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	5.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	5.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	50	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	5.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	50	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	25	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	ND	50	ug/l	---	ND	10	ug/l	---
Allyl chloride	107-05-1	ND	10	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	120	5.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	5.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	5.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	92	5.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	9.0	5.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	35	10	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	50	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	10	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	15	5.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	3.1	5.0	ug/l	UB	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	0.91	5.0	ug/l	J	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	20	5.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	4.2	5.0	ug/l	J	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	1.3	5.0	ug/l	J	ND	1.0	ug/l	---
Styrene	100-42-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	25	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	3.2	5.0	ug/l	J	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	5.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	5.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-120_6-11(20110823)				ASB-118_8-12(20110823)			
		Lab Sample ID:	2401433115				2401437318			
		Sample Date:	8/24/2011				8/23/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	UJ				
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	UJ				
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	UJ				
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	UJ				
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	UJ				
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	UJ				
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	UJ				
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	UJ				
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	UJ				
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	UJ				
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	UJ				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	UJ				
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	UJ				
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	UJ				
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	UJ				
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	UJ				
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	UJ				
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	UJ				
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	UJ				
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	UJ				
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	UJ				
2-Butanone (MEK)	78-93-3	1.5	10	ug/l	J				
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	UJ				
2-Hexanone	591-78-6	ND	10	ug/l	UJ				
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	UJ				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	UJ				
Acetone	67-64-1	8.9	10	ug/l	J				
Allyl chloride	107-05-1	ND	2.0	ug/l	UJ				
Benzene	71-43-2	17	1.0	ug/l	J				
Bromobenzene	108-86-1	ND	1.0	ug/l	UJ				
Bromochloromethane	74-97-5	ND	1.0	ug/l	UJ				
Bromodichloromethane	75-27-4	ND	1.0	ug/l	UJ				
Bromoform	75-25-2	ND	1.0	ug/l	UJ				
Bromomethane	74-83-9	ND	1.0	ug/l	UJ				
Carbon disulfide	75-15-0	0.15	1.0	ug/l	J				
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	UJ				
Chlorobenzene	108-90-7	ND	1.0	ug/l	UJ				
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	UJ				
Chloroethane	75-00-3	ND	1.0	ug/l	UJ				
Chloroform	67-66-3	ND	1.0	ug/l	UJ				
Chloromethane	74-87-3	ND	1.0	ug/l	UJ				
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	UJ				
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	UJ				
Cyclohexane	110-82-7	16	1.0	ug/l	J				
Dibromomethane	74-95-3	ND	1.0	ug/l	UJ				
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	UJ				
Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	UJ				
Ethyl ether	60-29-7	ND	1.0	ug/l	UJ				
Ethylbenzene	100-41-4	ND	1.0	ug/l	UJ				
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	UJ				
Isopropylbenzene	98-82-8	ND	1.0	ug/l	UJ				
m-Xylene & p-Xylene	179601-23-1	2.0	2.0	ug/l	J				
Methyl acetate	79-20-9	ND	10	ug/l	UJ				
Methyl tert butyl ether	1634-04-4	19	2.0	ug/l	J				
Methylcyclohexane	108-87-2	0.27	1.0	ug/l	J				
Methylene Chloride	75-09-2	ND	1.0	ug/l	UJ				
n-Butylbenzene	104-51-8	ND	1.0	ug/l	UJ				
N-Propylbenzene	103-65-1	ND	1.0	ug/l	UJ				
Naphthalene	91-20-3	ND	1.0	ug/l	UJ				
o-Xylene	95-47-6	0.27	1.0	ug/l	J				
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	UJ				
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	UJ				
Styrene	100-42-5	ND	1.0	ug/l	UJ				
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	UJ				
Tetrachloroethene	127-18-4	ND	1.0	ug/l	UJ				
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	UJ				
Toluene	108-88-3	0.51	1.0	ug/l	J				
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	UJ				
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	UJ				
Trichloroethene	79-01-6	ND	1.0	ug/l	UJ				
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	UJ				
Vinyl chloride	75-01-4	ND	1.0	ug/l	UJ				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-120_6-11(20110823)				ASB-118_8-12(20110823)			
		Lab Sample ID:	2401433115				2401437318			
		Sample Date:	8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					0.45	0.098	mg/l	---
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead	7439-92-1								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

			Sample Name:	ASB-120_6-11(20110823)				ASB-118_8-12(20110823)			
			Lab Sample ID:	2401437319				2401437421			
			Sample Date:	8/24/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					ND	10	ug/l	---
	Acenaphthene	83-32-9					ND	10	ug/l	---
	Acenaphthylene	208-96-8					ND	10	ug/l	---
	Anthracene	120-12-7					ND	10	ug/l	---
	Benzo[a]anthracene	56-55-3					ND	0.20	ug/l	---
	Benzo[a]pyrene	50-32-8					ND	10	ug/l	---
	Benzo[b]fluoranthene	205-99-2					ND	10	ug/l	---
	Benzo[g,h,i]perylene	191-24-2					ND	10	ug/l	---
	Benzo[k]fluoranthene	207-08-9					ND	10	ug/l	---
	Chrysene	218-01-9					ND	10	ug/l	---
	Dibenz(a,h)anthracene	53-70-3					ND	10	ug/l	---
	Fluoranthene	206-44-0					ND	10	ug/l	---
	Fluorene	86-73-7					ND	10	ug/l	---
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	10	ug/l	---
	Naphthalene	91-20-3					1.6	10	ug/l	J
	Phenanthrene	85-01-8					ND	10	ug/l	---
	Pyrene	129-00-0					ND	10	ug/l	---
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	0.76	0.098	mg/l	---				
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead	7439-92-1								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3264-1

		Sample Name:	ASB-118_8-12(20110823)				ASB-118_8-12(20110823)			
		Lab Sample ID:	2401446325				2401474413			
		Sample Date:	8/23/2011				8/23/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2					ND	0.20	ug/l	UJ
	Aroclor-1221	11104-28-2					ND	0.20	ug/l	UJ
	Aroclor-1232	11141-16-5					ND	0.20	ug/l	UJ
	Aroclor-1242	53469-21-9					ND	0.20	ug/l	UJ
	Aroclor-1248	12672-29-6					ND	0.20	ug/l	UJ
	Aroclor-1254	11097-69-1					ND	0.20	ug/l	UJ
	Aroclor-1260	11096-82-5					ND	0.20	ug/l	UJ
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead	7439-92-1								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---				

September 28, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3301-1
Sample date: 2011-08-25 2011-08-26
Report received by Enovis: 2011-09-26
Initial Data Verification completed by Enovis: 2011-09-28

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

6 Soil sample(s) were analyzed for GCMS SVOC, DRO and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

DRO method blank for QC batch 13702 had a detection below the RL. Client samples -001, -002, -003, -004 DRO results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -005 DRO results should be considered to be non-detect at the concentration reported and qualified with a B flag.

GCMS SVOC MS/MSD RPD's performed on client sample -004 were outside of laboratory control limits for 2-methylnaphthalene, acenaphthene and naphthalene. Qualification of client sample results is not required based on these QC outliers alone.

DRO QC batch 13702 LCS recovery only (LCSDuplicate was acceptable) was outside of laboratory control limits biased high. Qualification of client sample results is not required based on this high bias QC outlier alone.

DRO batch 13702 sequence ending Continuing Calibration Verification (CCV) standard response was outside of method control limits with the bias direction not identified. The laboratory case narrative indicated that associated samples -001, -005 and -006 should be considered to be estimated for DRO. Samples -001 and -005 results are already qualified due to method blank detections but should also be considered to be estimated and qualified with UJ flags. Client sample -006 DRO result should be considered to be estimated and qualified with a J flag. The laboratory case narrative also indicated that the sequence associated with samples -002, -003 and -004 also had a high bias CCV response outlier, however these results are considered to be non-detect due to associated method blank detections so further qualification was not required based on the high bias CCV outlier.

DRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for arsenic, barium and lead. The Selenium MS recovery only was also and outlier biased low. Client sample -001 arsenic, barium and lead results should be considered to be estimated and qualified with J flags. Raw data was not available in the lab submittal to determine if the 4X rule may apply.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantitate target analytes for client samples -006 GCMS SVOC results and client sample -006 DRO results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3301-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS SVOC	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401403910	ASB-129_2-4(20110826)	8/26/2011	8:40:00		X		
2401403911	ASB-131_2-4(20110826)	8/26/2011	1:30:00		X		
240140399	ASB-128_6-8(20110825)	8/25/2011	3:15:00		X		
24014183100	ASB-129_2-4(20110826)	8/26/2011	8:40:00			X	
24014183101	ASB-131_2-4(20110826)	8/26/2011	1:30:00			X	
24014183102	ASB-132_2-4(20110826)	8/26/2011	2:30:00			X	
24014183103	ASB-134_2-4(20110826)	8/26/2011	3:55:00			X	
2401418393	ASB-128_0-2(20110825)	8/25/2011	5:25:00			X	
2401418399	ASB-128_6-8(20110825)	8/25/2011	3:15:00			X	
2401424126	ASB-128_0-2(20110825)	8/25/2011	5:25:00				X
2401424129	ASB-128_6-8(20110825)	8/25/2011	3:15:00				X
2401424130	ASB-129_2-4(20110826)	8/26/2011	8:40:00				X
2401424131	ASB-131_2-4(20110826)	8/26/2011	1:30:00				X
2401424132	ASB-132_2-4(20110826)	8/26/2011	2:30:00				X
2401424133	ASB-134_2-4(20110826)	8/26/2011	3:55:00				X
2401460315	ASB-128_6-8(20110825)	8/25/2011	3:15:00	X			
2401460316	ASB-131_2-4(20110826)	8/26/2011	1:30:00	X			
2401460319	ASB-128_0-2(20110825)	8/25/2011	5:25:00	X			
2401460320	ASB-129_2-4(20110826)	8/26/2011	8:40:00	X			
2401460322	ASB-134_2-4(20110826)	8/26/2011	3:55:00	X			
240146127	ASB-128_0-2(20110825)	8/25/2011	5:25:00		X		
240146128	ASB-132_2-4(20110826)	8/26/2011	2:30:00		X		
240146129	ASB-134_2-4(20110826)	8/26/2011	3:55:00		X		
2401522226	ASB-132_2-4(20110826)	8/26/2011	2:30:00	X			

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3301-1

	Sample Name:	ASB-129_2-4(20110826)					ASB-131_2-4(20110826)					ASB-128_6-8(20110825)					ASB-128_0-2(20110825)					ASB-128_0-2(20110825)					ASB-132_2-4(20110826)					ASB-134_2-4(20110826)				
	Lab Sample ID:	2401403910					2401403911					240140399					2401418393					240146127					240146128					240146129				
	Sample Date:	8/26/2011					8/26/2011					8/25/2011					8/25/2011					8/25/2011					8/26/2011					8/26/2011				
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	
GC Other																																					
PUBL-SW-141																																					
WI Diesel Range Organics (C10-C28)	E-1004	3.8	10	mg/kg	UB		3.2	10	mg/kg	UB		2.9	10	mg/kg	UB							8.7	10	mg/kg	UB		12	10	mg/kg	B		180	97	mg/kg	J	
Metals																																					
OSW-6010B																																					
Arsenic	7440-38-2																17	1.1	mg/kg	J																
Barium	7440-39-3																83	23	mg/kg	J																
Lead	7439-92-1																10	0.34	mg/kg	J																

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3301-1

		Sample Name:	ASB-129_2-4(20110826)				ASB-131_2-4(20110826)				ASB-128_6-8(20110825)				ASB-129_2-4(20110826)				ASB-131_2-4(20110826)			
		Lab Sample ID:	2401403910				2401403911				240140399				24014183100				24014183101			
		Sample Date:	8/26/2011				8/26/2011				8/25/2011				8/26/2011				8/26/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC																						
OSW-8270C																						
2-Methylnaphthalene	91-57-6																					
Acenaphthene	83-32-9																					
Acenaphthylene	208-96-8																					
Anthracene	120-12-7																					
Benzo[a]anthracene	56-55-3																					
Benzo[a]pyrene	50-32-8																					
Benzo[b]fluoranthene	205-99-2																					
Benzo[g,h,i]perylene	191-24-2																					
Benzo[k]fluoranthene	207-08-9																					
Chrysene	218-01-9																					
Dibenz(a,h)anthracene	53-70-3																					
Fluoranthene	206-44-0																					
Fluorene	86-73-7																					
Indeno[1,2,3-cd]pyrene	193-39-5																					
Naphthalene	91-20-3																					
Phenanthrene	85-01-8																					
Pyrene	129-00-0																					
GC Other																						
PUBL-SW-141																						
WI Diesel Range Organics (C10-C28)	E-1004		3.8	10	mg/kg	UB	3.2	10	mg/kg	UB	2.9	10	mg/kg	UB								
Metals																						
OSW-6010B																						
Arsenic	7440-38-2														5.3	1.2	mg/kg	---	5.1	1.1	mg/kg	---
Barium	7440-39-3														110	25	mg/kg	---	39	21	mg/kg	---
Cadmium	7440-43-9														0.11	0.25	mg/kg	J	ND	0.21	mg/kg	---
Chromium	7440-47-3														18	0.62	mg/kg	---	8.7	0.53	mg/kg	---
Lead	7439-92-1														9.4	0.37	mg/kg	---	3.9	0.32	mg/kg	---
Selenium	7782-49-2														ND	0.62	mg/kg	---	ND	0.53	mg/kg	---
Silver	7440-22-4														ND	0.62	mg/kg	---	ND	0.53	mg/kg	---
OSW-7471A																						
Mercury	7439-97-6																					

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3301-1

		Sample Name:	ASB-132_2-4(20110826)				ASB-134_2-4(20110826)				ASB-128_0-2(20110825)				ASB-128_6-8(20110825)				ASB-128_0-2(20110825)			
		Lab Sample ID:	24014183102				24014183103				2401418393				2401418399				2401424126			
		Sample Date:	8/26/2011				8/26/2011				8/25/2011				8/25/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC																						
	OSW-8270C																					
	2-Methylnaphthalene	91-57-6																				
	Acenaphthene	83-32-9																				
	Acenaphthylene	208-96-8																				
	Anthracene	120-12-7																				
	Benzo[a]anthracene	56-55-3																				
	Benzo[a]pyrene	50-32-8																				
	Benzo[b]fluoranthene	205-99-2																				
	Benzo[g,h,i]perylene	191-24-2																				
	Benzo[k]fluoranthene	207-08-9																				
	Chrysene	218-01-9																				
	Dibenz(a,h)anthracene	53-70-3																				
	Fluoranthene	206-44-0																				
	Fluorene	86-73-7																				
	Indeno[1,2,3-cd]pyrene	193-39-5																				
	Naphthalene	91-20-3																				
	Phenanthrene	85-01-8																				
	Pyrene	129-00-0																				
GC Other																						
	PUBL-SW-141																					
	WI Diesel Range Organics (C10-C28)	E-1004																				
Metals																						
	OSW-6010B																					
	Arsenic	7440-38-2	3.4	1.0	mg/kg	---	4.3	1.1	mg/kg	---	17	1.1	mg/kg	J	4.3	1.2	mg/kg	---				
	Barium	7440-39-3	47	20	mg/kg	---	88	22	mg/kg	---	83	23	mg/kg	J	100	23	mg/kg	---				
	Cadmium	7440-43-9	ND	0.20	mg/kg	---	0.12	0.22	mg/kg	J	ND	0.23	mg/kg	---	0.049	0.23	mg/kg	J				
	Chromium	7440-47-3	10	0.50	mg/kg	---	14	0.56	mg/kg	---	8.5	0.57	mg/kg	---	14	0.59	mg/kg	---				
	Lead	7439-92-1	4.6	0.30	mg/kg	---	7.8	0.33	mg/kg	---	10	0.34	mg/kg	J	9.3	0.35	mg/kg	---				
	Selenium	7782-49-2	ND	0.50	mg/kg	---	ND	0.56	mg/kg	---	ND	0.57	mg/kg	---	ND	0.59	mg/kg	---				
	Silver	7440-22-4	ND	0.50	mg/kg	---	ND	0.56	mg/kg	---	ND	0.57	mg/kg	---	ND	0.59	mg/kg	---				
	OSW-7471A																					
	Mercury	7439-97-6																	0.019	0.12	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3301-1

		Sample Name:	ASB-128_6-8(20110825)				ASB-129_2-4(20110826)				ASB-131_2-4(20110826)				ASB-132_2-4(20110826)				ASB-134_2-4(20110826)			
		Lab Sample ID:	2401424129				2401424130				2401424131				2401424132				2401424133			
		Sample Date:	8/25/2011				8/26/2011				8/26/2011				8/26/2011				8/26/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC																						
OSW-8270C																						
2-Methylnaphthalene	91-57-6																					
Acenaphthene	83-32-9																					
Acenaphthylene	208-96-8																					
Anthracene	120-12-7																					
Benzo[a]anthracene	56-55-3																					
Benzo[a]pyrene	50-32-8																					
Benzo[b]fluoranthene	205-99-2																					
Benzo[g,h,i]perylene	191-24-2																					
Benzo[k]fluoranthene	207-08-9																					
Chrysene	218-01-9																					
Dibenz(a,h)anthracene	53-70-3																					
Fluoranthene	206-44-0																					
Fluorene	86-73-7																					
Indeno[1,2,3-cd]pyrene	193-39-5																					
Naphthalene	91-20-3																					
Phenanthrene	85-01-8																					
Pyrene	129-00-0																					
GC Other																						
PUBL-SW-141																						
WI Diesel Range Organics (C10-C28)	E-1004																					
Metals																						
OSW-6010B																						
Arsenic	7440-38-2																					
Barium	7440-39-3																					
Cadmium	7440-43-9																					
Chromium	7440-47-3																					
Lead	7439-92-1																					
Selenium	7782-49-2																					
Silver	7440-22-4																					
OSW-7471A																						
Mercury	7439-97-6		0.042	0.076	mg/kg	J	0.029	0.099	mg/kg	J	0.025	0.084	mg/kg	J	0.024	0.078	mg/kg	J	0.019	0.083	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3301-1

		Sample Name:	ASB-128_6-8(20110825)				ASB-131_2-4(20110826)				ASB-128_0-2(20110825)				ASB-129_2-4(20110826)				ASB-134_2-4(20110826)			
		Lab Sample ID:	2401460315				2401460316				2401460319				2401460320				2401460322			
		Sample Date:	8/25/2011				8/26/2011				8/25/2011				8/26/2011				8/26/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC																						
OSW-8270C																						
2-Methylnaphthalene	91-57-6		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Acenaphthene	83-32-9		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Acenaphthylene	208-96-8		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Anthracene	120-12-7		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Benzo[a]anthracene	56-55-3		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	140	2000	ug/kg	J
Benzo[a]pyrene	50-32-8		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	140	2000	ug/kg	J
Benzo[b]fluoranthene	205-99-2		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	190	2000	ug/kg	J
Benzo[g,h,i]perylene	191-24-2		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	140	2000	ug/kg	J
Benzo[k]fluoranthene	207-08-9		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	53	2000	ug/kg	J
Chrysene	218-01-9		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	190	2000	ug/kg	J
Dibenz(a,h)anthracene	53-70-3		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Fluoranthene	206-44-0		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	280	2000	ug/kg	J
Fluorene	86-73-7		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	71	2000	ug/kg	J
Naphthalene	91-20-3		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	ND	2000	ug/kg	---
Phenanthrene	85-01-8		ND	410	ug/kg	---	ND	380	ug/kg	---	8.7	400	ug/kg	J	ND	410	ug/kg	---	110	2000	ug/kg	J
Pyrene	129-00-0		ND	410	ug/kg	---	ND	380	ug/kg	---	ND	400	ug/kg	---	ND	410	ug/kg	---	260	2000	ug/kg	J
GC Other																						
PUBL-SW-141																						
WI Diesel Range Organics (C10-C28)	E-1004																					
Metals																						
OSW-6010B																						
Arsenic	7440-38-2																					
Barium	7440-39-3																					
Cadmium	7440-43-9																					
Chromium	7440-47-3																					
Lead	7439-92-1																					
Selenium	7782-49-2																					
Silver	7440-22-4																					
OSW-7471A																						
Mercury	7439-97-6																					

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3301-1

		Sample Name:	ASB-128_0-2(20110825)				ASB-132_2-4(20110826)				ASB-134_2-4(20110826)				ASB-132_2-4(20110826)			
		Lab Sample ID:	240146127				240146128				240146129				2401522226			
		Sample Date:	8/25/2011				8/26/2011				8/26/2011				8/26/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC																		
	OSW-8270C																	
	2-Methylnaphthalene	91-57-6													ND	370	ug/kg	---
	Acenaphthene	83-32-9													ND	370	ug/kg	---
	Acenaphthylene	208-96-8													ND	370	ug/kg	---
	Anthracene	120-12-7													ND	370	ug/kg	---
	Benzo[a]anthracene	56-55-3													12	370	ug/kg	J
	Benzo[a]pyrene	50-32-8													12	370	ug/kg	J
	Benzo[b]fluoranthene	205-99-2													17	370	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2													13	370	ug/kg	J
	Benzo[k]fluoranthene	207-08-9													9.0	370	ug/kg	J
	Chrysene	218-01-9													16	370	ug/kg	J
	Dibenz(a,h)anthracene	53-70-3													ND	370	ug/kg	---
	Fluoranthene	206-44-0													24	370	ug/kg	J
	Fluorene	86-73-7													ND	370	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5													ND	370	ug/kg	---
	Naphthalene	91-20-3													ND	370	ug/kg	---
	Phenanthrene	85-01-8													11	370	ug/kg	J
	Pyrene	129-00-0													25	370	ug/kg	J
GC Other																		
	PUBL-SW-141																	
	WI Diesel Range Organics (C10-C28)	E-1004	8.7	10	mg/kg	UB	12	10	mg/kg	B	180	97	mg/kg	J				
Metals																		
	OSW-6010B																	
	Arsenic	7440-38-2																
	Barium	7440-39-3																
	Cadmium	7440-43-9																
	Chromium	7440-47-3																
	Lead	7439-92-1																
	Selenium	7782-49-2																
	Silver	7440-22-4																
	OSW-7471A																	
	Mercury	7439-97-6																

September 23, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3303-1
Sample date: 2011-08-25 2011-08-26
Report received by Enovis: 2011-09-22
Initial Data Verification completed by Enovis: 2011-09-23

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

3 Water sample(s) and 1 field duplicate were analyzed for GCMS VOC, GCMS SVOC, PCB, DRO, GRO and Metals parameter(s). 1 Trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 14331 had a detection below the RL for methylene chloride. Qualification of client sample results was not required based on this method blank detection.

GCMS VOC trip blank was non-detect for all target analytes tested.

GRO containers for sample -003 were preserved at a pH level greater than 2. Client sample -003 GRO results should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC, DRO, GRO and PCB QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

DRO method blank for QC batch 13555 had a detection below the RL. Qualification of client sample results is not required based on this method blank detection.

PCB LCS recovery was outside of laboratory control limits biased low for aroclor 1016 in QC batch 14095. The samples were re-prepped outside of the EPA recommended hold time in QC batch 14744 so the PCB results for client samples -001, -003, -004 and -005 re-analyses should be considered to be estimated and qualified with UJ flags. Note: the results for the initial analyses of PCB's were included on the laboratory report but the data is not available in the Ford database.

Metals method blank had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3303-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	Dissolved ICP Metals	Dissolved Mercury
2401400333	ASB-128_5-10(20110825)	8/25/2011	4:05:00		X					
2401400334	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00		X					
2401400335	ASB-130_0-5(20110826)	8/26/2011	11:30:00		X					
2401400336	DUP-001	8/26/2011	12:00:00		X					
2401416812	ASB-128_5-10(20110825)	8/25/2011	4:05:00				X			
2401416813	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00				X			
2401416814	ASB-130_0-5(20110826)	8/26/2011	11:30:00				X			
2401416815	DUP-001	8/26/2011	12:00:00				X			
2401418316	ASB-128_5-10(20110825)	8/25/2011	4:05:00						X	
2401418322	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00						X	
2401418325	ASB-130_0-5(20110826)	8/26/2011	11:30:00						X	
2401418326	DUP-001	8/26/2011	12:00:00						X	
2401433116	ASB-128_5-10(20110825)	8/25/2011	4:05:00	X						
2401433117	TB-003(20110825)	8/25/2011	12:00:00	X						
2401433118	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00	X						
2401433119	ASB-130_0-5(20110826)	8/26/2011	11:30:00	X						
2401433120	DUP-001	8/26/2011	12:00:00	X						
2401446338	ASB-128_5-10(20110825)	8/25/2011	4:05:00							X
2401446339	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00							X
2401446340	ASB-130_0-5(20110826)	8/26/2011	11:30:00							X
2401446341	DUP-001	8/26/2011	12:00:00							X
2401474410	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00			X				
2401474411	ASB-130_0-5(20110826)	8/26/2011	11:30:00			X				
2401474412	DUP-001	8/26/2011	12:00:00			X				
240147449	ASB-128_5-10(20110825)	8/25/2011	4:05:00			X				
2401549412	ASB-128_5-10(20110825)	8/25/2011	4:05:00					X		
2401549413	ASB-129_4.5-9.5(20110826)	8/26/2011	9:30:00					X		
2401549414	ASB-130_0-5(20110826)	8/26/2011	11:30:00					X		
2401549415	DUP-001	8/26/2011	12:00:00					X		

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-129_4.5-9.5(20110826)				ASB-129_4.5-9.5(20110826)				ASB-130_0-5(20110826)				DUP-001				ASB-128_5-10(20110825)			
		Lab Sample ID:	2401416813				2401474410				2401474411				2401474412				240147449			
		Sample Date:	8/26/2011				8/26/2011				8/26/2011				8/26/2011				8/25/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB																						
OSW-8082																						
Aroclor-1016	12674-11-2						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
Aroclor-1221	11104-28-2						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
Aroclor-1232	11141-16-5						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
Aroclor-1242	53469-21-9						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
Aroclor-1248	12672-29-6						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
Aroclor-1254	11097-69-1						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
Aroclor-1260	11096-82-5						ND	0.20	ug/l	UJ	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ	ND	0.22	ug/l	UJ
GC VOC																						
PUBL-SW-140																						
WI Gasoline Range Organics (C6-C10)	E-1005		ND	100	ug/l	UJ																

GRO containers for sample -003 were preserved at a pH level greater than 2. Client sample -003 GRO results should be considered to be estimated and qualified with a UJ flag.

PCB LCS recovery was outside of laboratory control limits biased low for aroclor 1016 in QC batch 14095. The samples were re-prepped outside of the EPA recommended hold time in QC batch 14744 so the PCB results for client samples -001, -003, -004 and -005 re-analyses should be considered to be estimated and qualified with UJ flags. Note: the results for the initial analyses of PCB's were included on the laboratory report but the data is not available in the Ford database.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-128_5-10(20110825)				ASB-129_4.5-9.5(20110826)			
		Lab Sample ID:	2401400333				2401400334			
		Sample Date:	8/25/2011				8/26/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6	ND	9.8	ug/l	---	ND	10	ug/l	---
Acenaphthene	83-32-9	ND	9.8	ug/l	---	ND	10	ug/l	---
Acenaphthylene	208-96-8	ND	9.8	ug/l	---	ND	10	ug/l	---
Anthracene	120-12-7	ND	9.8	ug/l	---	ND	10	ug/l	---
Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	---	ND	0.20	ug/l	---
Benzo[a]pyrene	50-32-8	ND	9.8	ug/l	---	ND	10	ug/l	---
Benzo[b]fluoranthene	205-99-2	ND	9.8	ug/l	---	ND	10	ug/l	---
Benzo[g,h,i]perylene	191-24-2	ND	9.8	ug/l	---	ND	10	ug/l	---
Benzo[k]fluoranthene	207-08-9	ND	9.8	ug/l	---	ND	10	ug/l	---
Chrysene	218-01-9	ND	9.8	ug/l	---	ND	10	ug/l	---
Dibenz(a,h)anthracene	53-70-3	ND	9.8	ug/l	---	ND	10	ug/l	---
Fluoranthene	206-44-0	ND	9.8	ug/l	---	ND	10	ug/l	---
Fluorene	86-73-7	ND	9.8	ug/l	---	ND	10	ug/l	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	9.8	ug/l	---	ND	10	ug/l	---
Naphthalene	91-20-3	ND	9.8	ug/l	---	ND	10	ug/l	---
Phenanthrene	85-01-8	ND	9.8	ug/l	---	ND	10	ug/l	---
Pyrene	129-00-0	ND	9.8	ug/l	---	ND	10	ug/l	---
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-130_0-5(20110826)				DUP-001			
		Lab Sample ID:	2401400335				2401400336			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Acenaphthene	83-32-9	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Acenaphthylene	208-96-8	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Anthracene	120-12-7	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	---	ND	0.20	ug/l	---
Benzo[a]pyrene	50-32-8	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Benzo[b]fluoranthene	205-99-2	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Benzo[g,h,i]perylene	191-24-2	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Benzo[k]fluoranthene	207-08-9	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Chrysene	218-01-9	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Dibenz(a,h)anthracene	53-70-3	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Fluoranthene	206-44-0	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Fluorene	86-73-7	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Naphthalene	91-20-3	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Phenanthrene	85-01-8	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Pyrene	129-00-0	ND	9.9	ug/l	---	ND	9.9	ug/l	---
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-128_5-10(20110825)				ASB-129_4.5-9.5(20110826)			
		Lab Sample ID:	2401416812				2401416813			
		Sample Date:	8/25/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---	ND	100	ug/l	UJ
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-130_0-5(20110826)				DUP-001			
		Lab Sample ID:	2401416814				2401416815			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---	ND	100	ug/l	---
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-128_5-10(20110825)				ASB-129_4.5-9.5(20110826)			
		Lab Sample ID:	2401418316				2401418322			
		Sample Date:	8/25/2011				8/26/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2	23	10	ug/l	---	ND	10	ug/l	---
	Barium - Dissolved	7440-39-3	250	200	ug/l	---	190	200	ug/l	J
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-130_0-5(20110826)				DUP-001			
		Lab Sample ID:	2401418325				2401418326			
		Sample Date:	8/26/2011				8/26/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2	ND	10	ug/l	---	ND	10	ug/l	---
	Barium - Dissolved	7440-39-3	180	200	ug/l	J	180	200	ug/l	J
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-128_5-10(20110825)				TB-003(20110825)			
		Lab Sample ID:	2401433116				2401433117			
		Sample Date:	8/25/2011				8/25/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	1.6	10	ug/l	J	ND	10	ug/l	---
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	0.23	1.0	ug/l	J	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-129_4.5-9.5(20110826)				ASB-130_0-5(20110826)			
		Lab Sample ID:	2401433118				2401433119			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---	ND	10	ug/l	---
Acetone	67-64-1	2.3	10	ug/l	J	ND	10	ug/l	---
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	DUP-001				ASB-128_5-10(20110825)			
		Lab Sample ID:	2401433120				2401446338			
		Sample Date:	8/26/2011				8/25/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---				
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---				
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---				
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---				
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---				
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---				
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---				
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---				
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---				
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---				
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---				
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---				
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---				
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---				
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---				
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---				
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---				
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---				
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---				
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---				
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---				
2-Hexanone	591-78-6	ND	10	ug/l	---				
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---				
Acetone	67-64-1	ND	10	ug/l	---				
Allyl chloride	107-05-1	ND	2.0	ug/l	---				
Benzene	71-43-2	ND	1.0	ug/l	---				
Bromobenzene	108-86-1	ND	1.0	ug/l	---				
Bromochloromethane	74-97-5	ND	1.0	ug/l	---				
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---				
Bromoform	75-25-2	ND	1.0	ug/l	---				
Bromomethane	74-83-9	ND	1.0	ug/l	---				
Carbon disulfide	75-15-0	ND	1.0	ug/l	---				
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---				
Chlorobenzene	108-90-7	ND	1.0	ug/l	---				
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---				
Chloroethane	75-00-3	ND	1.0	ug/l	---				
Chloroform	67-66-3	ND	1.0	ug/l	---				
Chloromethane	74-87-3	ND	1.0	ug/l	---				
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---				
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---				
Cyclohexane	110-82-7	ND	1.0	ug/l	---				
Dibromomethane	74-95-3	ND	1.0	ug/l	---				
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---				
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---				
Ethyl ether	60-29-7	ND	2.0	ug/l	---				
Ethylbenzene	100-41-4	ND	1.0	ug/l	---				
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---				
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---				
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---				
Methyl acetate	79-20-9	ND	10	ug/l	---				
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---				
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---				
Methylene Chloride	75-09-2	ND	1.0	ug/l	---				
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---				
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---				
Naphthalene	91-20-3	ND	1.0	ug/l	---				
o-Xylene	95-47-6	ND	1.0	ug/l	---				
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---				
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---				
Styrene	100-42-5	ND	1.0	ug/l	---				
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---				
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---				
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---				
Toluene	108-88-3	ND	1.0	ug/l	---				
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---				
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---				
Trichloroethene	79-01-6	ND	1.0	ug/l	---				
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---				
Vinyl chloride	75-01-4	ND	1.0	ug/l	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	DUP-001				ASB-128_5-10(20110825)			
		Lab Sample ID:	2401433120				2401446338			
		Sample Date:	8/26/2011				8/25/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6					ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-129_4.5-9.5(20110826)				ASB-130_0-5(20110826)			
		Lab Sample ID:	2401446339				2401446340			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---	ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	DUP-001				ASB-129_4.5-9.5(20110826)			
		Lab Sample ID:	2401446341				2401474410			
		Sample Date:	8/26/2011				8/26/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2					ND	0.20	ug/l	UJ
	Aroclor-1221	11104-28-2					ND	0.20	ug/l	UJ
	Aroclor-1232	11141-16-5					ND	0.20	ug/l	UJ
	Aroclor-1242	53469-21-9					ND	0.20	ug/l	UJ
	Aroclor-1248	12672-29-6					ND	0.20	ug/l	UJ
	Aroclor-1254	11097-69-1					ND	0.20	ug/l	UJ
	Aroclor-1260	11096-82-5					ND	0.20	ug/l	UJ
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-130_0-5(20110826)				DUP-001			
		Lab Sample ID:	2401474411				2401474412			
		Sample Date:	8/26/2011				8/26/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
	Aroclor-1221	11104-28-2	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
	Aroclor-1232	11141-16-5	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
	Aroclor-1242	53469-21-9	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
	Aroclor-1248	12672-29-6	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
	Aroclor-1254	11097-69-1	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
	Aroclor-1260	11096-82-5	ND	0.21	ug/l	UJ	ND	0.20	ug/l	UJ
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-128_5-10(20110825)				ASB-128_5-10(20110825)			
		Lab Sample ID:	240147449				2401549412			
		Sample Date:	8/25/2011				8/25/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2	ND	0.22	ug/l	UJ				
Aroclor-1221	11104-28-2	ND	0.22	ug/l	UJ				
Aroclor-1232	11141-16-5	ND	0.22	ug/l	UJ				
Aroclor-1242	53469-21-9	ND	0.22	ug/l	UJ				
Aroclor-1248	12672-29-6	ND	0.22	ug/l	UJ				
Aroclor-1254	11097-69-1	ND	0.22	ug/l	UJ				
Aroclor-1260	11096-82-5	ND	0.22	ug/l	UJ				
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004					0.38	0.11	mg/l	---
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

		Sample Name:	ASB-129_4.5-9.5(20110826)				ASB-130_0-5(20110826)			
		Lab Sample ID:	2401549413				2401549414			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	0.41	0.10	mg/l	---	0.27	0.10	mg/l	---
Metals									
OSW-6010B									
Arsenic - Dissolved	7440-38-2								
Barium - Dissolved	7440-39-3								
Cadmium - Dissolved	7440-43-9								
Chromium - Dissolved	7440-47-3								
Lead - Dissolved	7439-92-1								
Selenium - Dissolved	7782-49-2								
Silver - Dissolved	7440-22-4								
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3303-1

Sample Name: DUP-001
Lab Sample ID: 2401549415
Sample Date: 8/26/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
2-Methylnaphthalene	91-57-6				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Anthracene	120-12-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Chrysene	218-01-9				
Dibenz(a,h)anthracene	53-70-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Indeno[1,2,3-cd]pyrene	193-39-5				
Naphthalene	91-20-3				
Phenanthrene	85-01-8				
Pyrene	129-00-0				
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005				
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004	0.41	0.10	mg/l	---
Metals					
OSW-6010B					
Arsenic - Dissolved	7440-38-2				
Barium - Dissolved	7440-39-3				
Cadmium - Dissolved	7440-43-9				
Chromium - Dissolved	7440-47-3				
Lead - Dissolved	7439-92-1				
Selenium - Dissolved	7782-49-2				
Silver - Dissolved	7440-22-4				
OSW-7470A					
Mercury - Dissolved	7439-97-6				

September 30, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3396-1
Sample date: 2011-08-26 2011-08-29
Report received by Enovis: 2011-09-29
Initial Data Verification completed by Enovis: 2011-09-30

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

6 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for naphthalene. Client sample -004 result for this analyte should be considered to be non-detect at the RL and qualified with a UB flag.

DRO method blank had a detection below the RL. Client sample -007 DRO results should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC, GRO and DRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

Metals method blank had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

GCMS VOC trip blank was non-detect for all target analytes.

Reporting limits were elevated due to dilutions required to overcome sample matrix interferences or quantitate target analytes for GCMS SVOC samples -002 and -005, GRO samples -002, -003 and -004 and DRO samples -002 and -005.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3396-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401424155	ASB-136_1-3(20110829)	8/29/2011	9:15:00						X
2401424160	ASB-137_2-4(20110829)	8/29/2011	1:45:00						X
2401435534	ASB-136_1-3(20110829)	8/29/2011	9:15:00					X	
2401435540	ASB-137_2-4(20110829)	8/29/2011	1:45:00					X	
2401435541	ASB-138_2-4(20110829)	8/29/2011	4:00:00					X	
2401440910	MB-003(20110829)	8/29/2011	12:00:00	X					
2401440911	ASB-138_2-4(20110829)	8/29/2011	4:00:00	X					
2401440912	ASB-135_2-4(20110826)	8/26/2011	5:00:00	X					
2401440913	ASB-135_8-9(20110826)	8/26/2011	5:40:00	X					
2401440914	ASB-135_6-8(20110826)	8/26/2011	5:15:00	X					
2401445919	ASB-135_8-9(20110826)	8/26/2011	5:40:00		X				
2401445922	ASB-137_2-4(20110829)	8/29/2011	1:45:00		X				
2401445923	ASB-135_6-8(20110826)	8/26/2011	5:15:00		X				
2401445927	ASB-135_2-4(20110826)	8/26/2011	5:00:00		X				
2401445928	ASB-136_1-3(20110829)	8/29/2011	9:15:00		X				
240147617	ASB-135_2-4(20110826)	8/26/2011	5:00:00			X			
240147618	ASB-135_6-8(20110826)	8/26/2011	5:15:00			X			
240147619	ASB-135_8-9(20110826)	8/26/2011	5:40:00			X			
2401476910	ASB-136_1-3(20110829)	8/29/2011	9:15:00				X		
2401476911	ASB-137_2-4(20110829)	8/29/2011	1:45:00				X		
2401476912	ASB-138_2-4(20110829)	8/29/2011	4:00:00				X		
240147697	ASB-135_2-4(20110826)	8/26/2011	5:00:00				X		
240147698	ASB-135_6-8(20110826)	8/26/2011	5:15:00				X		
240147699	ASB-135_8-9(20110826)	8/26/2011	5:40:00				X		
240150026	ASB-138_2-4(20110829)	8/29/2011	4:00:00			X			

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-135_8-9(20110826)				ASB-138_2-4(20110829)			
		Lab Sample ID:	2401440913				2401476912			
		Sample Date:	8/26/2011				8/29/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
Naphthalene	91-20-3	17	240	ug/kg	UB				
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004					6.3	11	mg/kg	UB

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-136_1-3(20110829)				ASB-137_2-4(20110829)			
		Lab Sample ID:	2401424155				2401424160			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6	0.065	0.10	mg/kg	J	0.061	0.11	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-136_1-3(20110829)				ASB-137_2-4(20110829)			
		Lab Sample ID:	2401435534				2401435540			
		Sample Date:	8/29/2011				8/29/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2	4.4	1.1	mg/kg	---	7.2	1.2	mg/kg	---
Barium	7440-39-3	59	21	mg/kg	---	70	25	mg/kg	---
Cadmium	7440-43-9	0.46	0.21	mg/kg	---	0.18	0.25	mg/kg	J
Chromium	7440-47-3	7.7	0.53	mg/kg	---	12	0.62	mg/kg	---
Lead	7439-92-1	47	0.32	mg/kg	---	14	0.37	mg/kg	---
Selenium	7782-49-2	ND	0.53	mg/kg	---	ND	0.62	mg/kg	---
Silver	7440-22-4	ND	0.53	mg/kg	---	ND	0.62	mg/kg	---
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-138_2-4(20110829)				MB-003(20110829)			
		Lab Sample ID:	2401435541				2401440910			
		Sample Date:	8/29/2011				8/29/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6					ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6					ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5					ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5					ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3					ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4					ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6					ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6					ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4					ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1					ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6					ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8					ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4					ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1					ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2					ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5					ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8					ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1					ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9					ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7					ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7					ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3					ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8					ND	250	ug/kg	---
2-Hexanone	591-78-6					ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4					ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1					ND	1000	ug/kg	---
Acetone	67-64-1					ND	1000	ug/kg	---
Allyl chloride	107-05-1					ND	500	ug/kg	---
Benzene	71-43-2					ND	250	ug/kg	---
Bromobenzene	108-86-1					ND	250	ug/kg	---
Bromochloromethane	74-97-5					ND	250	ug/kg	---
Bromodichloromethane	75-27-4					ND	250	ug/kg	---
Bromoform	75-25-2					ND	250	ug/kg	---
Bromomethane	74-83-9					ND	250	ug/kg	---
Carbon disulfide	75-15-0					ND	250	ug/kg	---
Carbon tetrachloride	56-23-5					ND	250	ug/kg	---
Chlorobenzene	108-90-7					ND	250	ug/kg	---
Chlorodibromomethane	124-48-1					ND	250	ug/kg	---
Chloroethane	75-00-3					ND	250	ug/kg	---
Chloroform	67-66-3					ND	250	ug/kg	---
Chloromethane	74-87-3					ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2					ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5					ND	250	ug/kg	---
Cyclohexane	110-82-7					ND	500	ug/kg	---
Dibromomethane	74-95-3					ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8					ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4					ND	500	ug/kg	---
Ethyl ether	60-29-7					ND	500	ug/kg	---
Ethylbenzene	100-41-4					ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3					ND	250	ug/kg	---
Isopropylbenzene	98-82-8					ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1					ND	500	ug/kg	---
Methyl acetate	79-20-9					ND	500	ug/kg	---
Methyl tert butyl ether	1634-04-4					ND	1000	ug/kg	---
Methylcyclohexane	108-87-2					ND	500	ug/kg	---
Methylene Chloride	75-09-2					ND	250	ug/kg	---
n-Butylbenzene	104-51-8					ND	250	ug/kg	---
N-Propylbenzene	103-65-1					ND	250	ug/kg	---
Naphthalene	91-20-3					ND	250	ug/kg	---
o-Xylene	95-47-6					ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6					ND	250	ug/kg	---
sec-Butylbenzene	135-98-8					ND	250	ug/kg	---
Styrene	100-42-5					ND	250	ug/kg	---
tert-Butylbenzene	98-06-6					ND	250	ug/kg	---
Tetrachloroethene	127-18-4					ND	250	ug/kg	---
Tetrahydrofuran	109-99-9					ND	1000	ug/kg	---
Toluene	108-88-3					ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5					ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6					ND	250	ug/kg	---
Trichloroethene	79-01-6					ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4					ND	250	ug/kg	---
Vinyl chloride	75-01-4					ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-138_2-4(20110829)				MB-003(20110829)			
		Lab Sample ID:	2401435541				2401440910			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1	2.1	0.36	mg/kg	---				
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-138_2-4(20110829)				ASB-135_2-4(20110826)			
		Lab Sample ID:	2401440911				2401440912			
		Sample Date:	8/29/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	260	ug/kg	---	ND	240	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	260	ug/kg	---	33	240	ug/kg	J
1,2-Dibromo-3-Chloropropane	96-12-8	ND	510	ug/kg	---	ND	470	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	260	ug/kg	---	ND	240	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	260	ug/kg	---	ND	240	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	260	ug/kg	---	ND	240	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	260	ug/kg	---	ND	240	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	260	ug/kg	---	ND	240	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	260	ug/kg	---	ND	240	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	260	ug/kg	---	ND	240	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	940	ug/kg	---
2-Chlorotoluene	95-49-8	ND	260	ug/kg	---	ND	240	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	940	ug/kg	---
4-Chlorotoluene	106-43-4	ND	260	ug/kg	---	ND	240	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	940	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---	ND	940	ug/kg	---
Allyl chloride	107-05-1	ND	510	ug/kg	---	ND	470	ug/kg	---
Benzene	71-43-2	ND	260	ug/kg	---	ND	240	ug/kg	---
Bromobenzene	108-86-1	ND	260	ug/kg	---	ND	240	ug/kg	---
Bromochloromethane	74-97-5	ND	260	ug/kg	---	ND	240	ug/kg	---
Bromodichloromethane	75-27-4	ND	260	ug/kg	---	ND	240	ug/kg	---
Bromoform	75-25-2	ND	260	ug/kg	---	ND	240	ug/kg	---
Bromomethane	74-83-9	ND	260	ug/kg	---	ND	240	ug/kg	---
Carbon disulfide	75-15-0	ND	260	ug/kg	---	44	240	ug/kg	J
Carbon tetrachloride	56-23-5	ND	260	ug/kg	---	ND	240	ug/kg	---
Chlorobenzene	108-90-7	ND	260	ug/kg	---	ND	240	ug/kg	---
Chlorodibromomethane	124-48-1	ND	260	ug/kg	---	ND	240	ug/kg	---
Chloroethane	75-00-3	ND	260	ug/kg	---	ND	240	ug/kg	---
Chloroform	67-66-3	ND	260	ug/kg	---	ND	240	ug/kg	---
Chloromethane	74-87-3	ND	260	ug/kg	---	ND	240	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	260	ug/kg	---	ND	240	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	260	ug/kg	---	ND	240	ug/kg	---
Cyclohexane	110-82-7	ND	510	ug/kg	---	ND	470	ug/kg	---
Dibromomethane	74-95-3	ND	260	ug/kg	---	ND	240	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	260	ug/kg	---	ND	240	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	510	ug/kg	---	ND	470	ug/kg	---
Ethyl ether	60-29-7	ND	510	ug/kg	---	ND	470	ug/kg	---
Ethylbenzene	100-41-4	ND	260	ug/kg	---	36	240	ug/kg	J
Hexachlorobutadiene	87-68-3	ND	260	ug/kg	---	ND	240	ug/kg	---
Isopropylbenzene	98-82-8	ND	260	ug/kg	---	53	240	ug/kg	J
m-Xylene & p-Xylene	179601-23-1	ND	510	ug/kg	---	35	470	ug/kg	J
Methyl acetate	79-20-9	ND	510	ug/kg	---	130	470	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	940	ug/kg	---
Methylcyclohexane	108-87-2	ND	510	ug/kg	---	140	470	ug/kg	J
Methylene Chloride	75-09-2	ND	260	ug/kg	---	ND	240	ug/kg	---
n-Butylbenzene	104-51-8	ND	260	ug/kg	---	520	240	ug/kg	---
N-Propylbenzene	103-65-1	ND	260	ug/kg	---	240	240	ug/kg	---
Naphthalene	91-20-3	ND	260	ug/kg	---	150	240	ug/kg	J
o-Xylene	95-47-6	ND	260	ug/kg	---	ND	240	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	260	ug/kg	---	ND	240	ug/kg	---
sec-Butylbenzene	135-98-8	ND	260	ug/kg	---	150	240	ug/kg	J
Styrene	100-42-5	ND	260	ug/kg	---	ND	240	ug/kg	---
tert-Butylbenzene	98-06-6	ND	260	ug/kg	---	ND	240	ug/kg	---
Tetrachloroethene	127-18-4	ND	260	ug/kg	---	ND	240	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	940	ug/kg	---
Toluene	108-88-3	ND	260	ug/kg	---	18	240	ug/kg	J
trans-1,2-Dichloroethene	156-60-5	ND	260	ug/kg	---	ND	240	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	260	ug/kg	---	ND	240	ug/kg	---
Trichloroethene	79-01-6	ND	260	ug/kg	---	ND	240	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	260	ug/kg	---	ND	240	ug/kg	---
Vinyl chloride	75-01-4	ND	260	ug/kg	---	ND	240	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-135_8-9(20110826)				ASB-135_6-8(20110826)			
		Lab Sample ID:	2401440913				2401440914			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	240	ug/kg	---	ND	390	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	480	ug/kg	---	ND	790	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	240	ug/kg	---	ND	390	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	240	ug/kg	---	ND	390	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	240	ug/kg	---	ND	390	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	240	ug/kg	---	ND	390	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	240	ug/kg	---	ND	390	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	240	ug/kg	---	ND	390	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	240	ug/kg	---	ND	390	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	960	ug/kg	---	ND	1600	ug/kg	---
2-Chlorotoluene	95-49-8	ND	240	ug/kg	---	ND	390	ug/kg	---
2-Hexanone	591-78-6	ND	960	ug/kg	---	ND	1600	ug/kg	---
4-Chlorotoluene	106-43-4	ND	240	ug/kg	---	ND	390	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	960	ug/kg	---	ND	1600	ug/kg	---
Acetone	67-64-1	ND	960	ug/kg	---	ND	1600	ug/kg	---
Allyl chloride	107-05-1	ND	480	ug/kg	---	ND	790	ug/kg	---
Benzene	71-43-2	ND	240	ug/kg	---	ND	390	ug/kg	---
Bromobenzene	108-86-1	ND	240	ug/kg	---	ND	390	ug/kg	---
Bromochloromethane	74-97-5	ND	240	ug/kg	---	ND	390	ug/kg	---
Bromodichloromethane	75-27-4	ND	240	ug/kg	---	ND	390	ug/kg	---
Bromoform	75-25-2	ND	240	ug/kg	---	ND	390	ug/kg	---
Bromomethane	74-83-9	ND	240	ug/kg	---	ND	390	ug/kg	---
Carbon disulfide	75-15-0	57	240	ug/kg	J	75	390	ug/kg	J
Carbon tetrachloride	56-23-5	ND	240	ug/kg	---	ND	390	ug/kg	---
Chlorobenzene	108-90-7	ND	240	ug/kg	---	ND	390	ug/kg	---
Chlorodibromomethane	124-48-1	ND	240	ug/kg	---	ND	390	ug/kg	---
Chloroethane	75-00-3	ND	240	ug/kg	---	ND	390	ug/kg	---
Chloroform	67-66-3	ND	240	ug/kg	---	ND	390	ug/kg	---
Chloromethane	74-87-3	ND	240	ug/kg	---	ND	390	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	240	ug/kg	---	ND	390	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	240	ug/kg	---	ND	390	ug/kg	---
Cyclohexane	110-82-7	240	480	ug/kg	J	610	790	ug/kg	J
Dibromomethane	74-95-3	ND	240	ug/kg	---	ND	390	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	240	ug/kg	---	ND	390	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	480	ug/kg	---	ND	790	ug/kg	---
Ethyl ether	60-29-7	ND	480	ug/kg	---	ND	790	ug/kg	---
Ethylbenzene	100-41-4	ND	240	ug/kg	---	ND	390	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	240	ug/kg	---	ND	390	ug/kg	---
Isopropylbenzene	98-82-8	67	240	ug/kg	J	220	390	ug/kg	J
m-Xylene & p-Xylene	179601-23-1	ND	480	ug/kg	---	ND	790	ug/kg	---
Methyl acetate	79-20-9	88	480	ug/kg	J	310	790	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	960	ug/kg	---	ND	1600	ug/kg	---
Methylcyclohexane	108-87-2	3000	480	ug/kg	---	5600	790	ug/kg	---
Methylene Chloride	75-09-2	ND	240	ug/kg	---	ND	390	ug/kg	---
n-Butylbenzene	104-51-8	170	240	ug/kg	J	540	390	ug/kg	---
N-Propylbenzene	103-65-1	97	240	ug/kg	J	520	390	ug/kg	---
Naphthalene	91-20-3	17	240	ug/kg	UB	170	390	ug/kg	J
o-Xylene	95-47-6	ND	240	ug/kg	---	ND	390	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	240	ug/kg	---	ND	390	ug/kg	---
sec-Butylbenzene	135-98-8	110	240	ug/kg	J	280	390	ug/kg	J
Styrene	100-42-5	ND	240	ug/kg	---	ND	390	ug/kg	---
tert-Butylbenzene	98-06-6	ND	240	ug/kg	---	ND	390	ug/kg	---
Tetrachloroethene	127-18-4	ND	240	ug/kg	---	ND	390	ug/kg	---
Tetrahydrofuran	109-99-9	ND	960	ug/kg	---	ND	1600	ug/kg	---
Toluene	108-88-3	ND	240	ug/kg	---	ND	390	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	240	ug/kg	---	ND	390	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	240	ug/kg	---	ND	390	ug/kg	---
Trichloroethene	79-01-6	ND	240	ug/kg	---	ND	390	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	240	ug/kg	---	ND	390	ug/kg	---
Vinyl chloride	75-01-4	ND	240	ug/kg	---	ND	390	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-135_8-9(20110826)				ASB-137_2-4(20110829)			
		Lab Sample ID:	2401445919				2401445922			
		Sample Date:	8/26/2011				8/29/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6	35	380	ug/kg	J	34	420	ug/kg	J
Acenaphthene	83-32-9	ND	380	ug/kg	---	ND	420	ug/kg	---
Acenaphthylene	208-96-8	ND	380	ug/kg	---	12	420	ug/kg	J
Anthracene	120-12-7	ND	380	ug/kg	---	17	420	ug/kg	J
Benzo[a]anthracene	56-55-3	ND	380	ug/kg	---	41	420	ug/kg	J
Benzo[a]pyrene	50-32-8	8.4	380	ug/kg	J	44	420	ug/kg	J
Benzo[b]fluoranthene	205-99-2	ND	380	ug/kg	---	73	420	ug/kg	J
Benzo[g,h,i]perylene	191-24-2	18	380	ug/kg	J	34	420	ug/kg	J
Benzo[k]fluoranthene	207-08-9	ND	380	ug/kg	---	25	420	ug/kg	J
Chrysene	218-01-9	ND	380	ug/kg	---	55	420	ug/kg	J
Dibenz(a,h)anthracene	53-70-3	ND	380	ug/kg	---	7.7	420	ug/kg	J
Fluoranthene	206-44-0	21	380	ug/kg	J	80	420	ug/kg	J
Fluorene	86-73-7	ND	380	ug/kg	---	6.0	420	ug/kg	J
Indeno[1,2,3-cd]pyrene	193-39-5	12	380	ug/kg	J	32	420	ug/kg	J
Naphthalene	91-20-3	19	380	ug/kg	J	20	420	ug/kg	J
Phenanthrene	85-01-8	14	380	ug/kg	J	72	420	ug/kg	J
Pyrene	129-00-0	20	380	ug/kg	J	61	420	ug/kg	J
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-135_6-8(20110826)				ASB-135_2-4(20110826)			
		Lab Sample ID:	2401445923				2401445927			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6	230	430	ug/kg	J	43	920	ug/kg	J
Acenaphthene	83-32-9	ND	430	ug/kg	---	ND	920	ug/kg	---
Acenaphthylene	208-96-8	ND	430	ug/kg	---	ND	920	ug/kg	---
Anthracene	120-12-7	ND	430	ug/kg	---	25	920	ug/kg	J
Benzo[a]anthracene	56-55-3	ND	430	ug/kg	---	32	920	ug/kg	J
Benzo[a]pyrene	50-32-8	ND	430	ug/kg	---	30	920	ug/kg	J
Benzo[b]fluoranthene	205-99-2	ND	430	ug/kg	---	33	920	ug/kg	J
Benzo[g,h,i]perylene	191-24-2	ND	430	ug/kg	---	29	920	ug/kg	J
Benzo[k]fluoranthene	207-08-9	ND	430	ug/kg	---	18	920	ug/kg	J
Chrysene	218-01-9	4.7	430	ug/kg	J	38	920	ug/kg	J
Dibenz(a,h)anthracene	53-70-3	ND	430	ug/kg	---	ND	920	ug/kg	---
Fluoranthene	206-44-0	8.8	430	ug/kg	J	88	920	ug/kg	J
Fluorene	86-73-7	ND	430	ug/kg	---	13	920	ug/kg	J
Indeno[1,2,3-cd]pyrene	193-39-5	ND	430	ug/kg	---	32	920	ug/kg	J
Naphthalene	91-20-3	140	430	ug/kg	J	42	920	ug/kg	J
Phenanthrene	85-01-8	11	430	ug/kg	J	65	920	ug/kg	J
Pyrene	129-00-0	7.9	430	ug/kg	J	73	920	ug/kg	J
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-136_1-3(20110829)				ASB-135_2-4(20110826)			
		Lab Sample ID:	2401445928				240147617			
		Sample Date:	8/29/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6	190	7300	ug/kg	J				
Acenaphthene	83-32-9	ND	7300	ug/kg	---				
Acenaphthylene	208-96-8	ND	7300	ug/kg	---				
Anthracene	120-12-7	ND	7300	ug/kg	---				
Benzo[a]anthracene	56-55-3	130	7300	ug/kg	J				
Benzo[a]pyrene	50-32-8	140	7300	ug/kg	J				
Benzo[b]fluoranthene	205-99-2	200	7300	ug/kg	J				
Benzo[g,h,i]perylene	191-24-2	160	7300	ug/kg	J				
Benzo[k]fluoranthene	207-08-9	110	7300	ug/kg	J				
Chrysene	218-01-9	230	7300	ug/kg	J				
Dibenz(a,h)anthracene	53-70-3	ND	7300	ug/kg	---				
Fluoranthene	206-44-0	230	7300	ug/kg	J				
Fluorene	86-73-7	ND	7300	ug/kg	---				
Indeno[1,2,3-cd]pyrene	193-39-5	ND	7300	ug/kg	---				
Naphthalene	91-20-3	94	7300	ug/kg	J				
Phenanthrene	85-01-8	270	7300	ug/kg	J				
Pyrene	129-00-0	210	7300	ug/kg	J				
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005					170	120	mg/kg	---
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-135_6-8(20110826)				ASB-135_8-9(20110826)			
		Lab Sample ID:	240147618				240147619			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	450	130	mg/kg	---	280	110	mg/kg	---
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-136_1-3(20110829)				ASB-137_2-4(20110829)			
		Lab Sample ID:	2401476910				2401476911			
		Sample Date:	8/29/2011				8/29/2011			
				Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	550	190	mg/kg	---	12	11	mg/kg	---
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-138_2-4(20110829)				ASB-135_2-4(20110826)			
		Lab Sample ID:	2401476912				240147697			
		Sample Date:	8/29/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	6.3	11	mg/kg	UB	100	44	mg/kg	---
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

		Sample Name:	ASB-135_6-8(20110826)				ASB-135_8-9(20110826)			
		Lab Sample ID:	240147698				240147699			
		Sample Date:	8/26/2011				8/26/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	23	11	mg/kg	---	32	9.6	mg/kg	---
Metals									
OSW-6010B									
Arsenic	7440-38-2								
Barium	7440-39-3								
Cadmium	7440-43-9								
Chromium	7440-47-3								
Lead	7439-92-1								
Selenium	7782-49-2								
Silver	7440-22-4								
OSW-7471A									
Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3396-1

Sample Name: ASB-138_2-4(20110829)
Lab Sample ID: 240150026
Sample Date: 8/29/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
2-Methylnaphthalene	91-57-6				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Anthracene	120-12-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Chrysene	218-01-9				
Dibenz(a,h)anthracene	53-70-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Indeno[1,2,3-cd]pyrene	193-39-5				
Naphthalene	91-20-3				
Phenanthrene	85-01-8				
Pyrene	129-00-0				
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005	ND	13	mg/kg	---
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				
Metals					
OSW-6010B					
Arsenic	7440-38-2				
Barium	7440-39-3				
Cadmium	7440-43-9				
Chromium	7440-47-3				
Lead	7439-92-1				
Selenium	7782-49-2				
Silver	7440-22-4				
OSW-7471A					
Mercury	7439-97-6				

September 23, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3400-1
Sample date: 2011-08-29
Report received by Enovis: 2011-09-22
Initial Data Verification completed by Enovis: 2011-09-23

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) was analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Water trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had detections below the RL for methylene chloride, naphthalene, hexachlorobutadiene and 1,2,3-trichlorobenzene. Qualification of client sample results was not required based on these method blank detections.

GCMS VOC trip blank was non-detect for all target analytes tested.

GRO and PCB QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

GCMS VOC and GCMS SVOC QC batch MS data was not performed using a sample from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

DRO method blank had a detection below the RL. Client sample -001 DRO result should be considered to be non-detect at the RL and qualified with a UB flag.

DRO LCS/LCSduplicate RPD was outside of laboratory control limits. Qualification of client sample results is not required based on this QC outlier alone.

DRO Continuing Calibration Verification (CCV) standard response was outside of method control limits biased high for the sequence beginning CCV. All associated results from this submittal were non-detect so were not affected by the high bias and qualification was not required.

Metals method blank had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3400-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	Dissolved ICP Metals	Dissolved Mercury
2401438832	ASB-137_6-11(20110829)	8/29/2011	1:25:00			X				
2401439122	ASB-137_6-11(20110829)	8/29/2011	1:25:00					X		
2401443130	ASB-137_6-11(20110829)	8/29/2011	1:25:00						X	
2401446364	ASB-137_6-11(20110829)	8/29/2011	1:25:00							X
2401458810	ASB-137_6-11(20110829)	8/29/2011	1:25:00				X			
2401460329	ASB-137_6-11(20110829)	8/29/2011	1:25:00		X					
2401496910	TB-004(20110829)	8/29/2011	12:00:00	X						
2401496911	ASB-137_6-11(20110829)	8/29/2011	1:25:00	X						

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3400-1

Sample Name: ASB-137_6-11(20110829)
Lab Sample ID: 2401439122
Sample Date: 8/29/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004	0.068	0.097	mg/l	UB

DRO method blank had a detection below the RL. Client sample -001 DRO result should be considered to be non-detect at the RL and qualified with a UB flag.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3400-1

		Sample Name:	ASB-137_6-11(20110829)				ASB-137_6-11(20110829)			
		Lab Sample ID:	2401438832				2401439122			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	0.20	ug/l	---				
	Aroclor-1221	11104-28-2	ND	0.20	ug/l	---				
	Aroclor-1232	11141-16-5	ND	0.20	ug/l	---				
	Aroclor-1242	53469-21-9	ND	0.20	ug/l	---				
	Aroclor-1248	12672-29-6	ND	0.20	ug/l	---				
	Aroclor-1254	11097-69-1	ND	0.20	ug/l	---				
	Aroclor-1260	11096-82-5	ND	0.20	ug/l	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					0.068	0.097	mg/l	UB
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3400-1

		Sample Name:	ASB-137_6-11(20110829)				ASB-137_6-11(20110829)			
		Lab Sample ID:	2401443130				2401446364			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2	ND	10	ug/l	---				
	Barium - Dissolved	7440-39-3	23	200	ug/l	J				
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---				
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---				
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---				
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---				
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---				
	OSW-7470A									
	Mercury - Dissolved	7439-97-6					ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3400-1

		Sample Name:	ASB-137_6-11(20110829)				ASB-137_6-11(20110829)			
		Lab Sample ID:	2401458810				2401460329			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					ND	10	ug/l	---
	Acenaphthene	83-32-9					ND	10	ug/l	---
	Acenaphthylene	208-96-8					ND	10	ug/l	---
	Anthracene	120-12-7					ND	10	ug/l	---
	Benzo[a]anthracene	56-55-3					ND	0.20	ug/l	---
	Benzo[a]pyrene	50-32-8					ND	10	ug/l	---
	Benzo[b]fluoranthene	205-99-2					ND	10	ug/l	---
	Benzo[g,h,i]perylene	191-24-2					ND	10	ug/l	---
	Benzo[k]fluoranthene	207-08-9					ND	10	ug/l	---
	Chrysene	218-01-9					ND	10	ug/l	---
	Dibenz(a,h)anthracene	53-70-3					ND	10	ug/l	---
	Fluoranthene	206-44-0					ND	10	ug/l	---
	Fluorene	86-73-7					ND	10	ug/l	---
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	10	ug/l	---
	Naphthalene	91-20-3					ND	10	ug/l	---
	Phenanthrene	85-01-8					ND	10	ug/l	---
	Pyrene	129-00-0					ND	10	ug/l	---
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3400-1

		Sample Name:	TB-004(20110829)				ASB-137_6-11(20110829)			
		Lab Sample ID:	2401496910				2401496911			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
	1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
	1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	10	ug/l	---
	2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
	4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	---	ND	10	ug/l	---
	Acetone	67-64-1	ND	10	ug/l	---	3.5	10	ug/l	J
	Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
	Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	---	ND	2.0	ug/l	---
	Ethyl ether	60-29-7	ND	1.0	ug/l	---	ND	2.0	ug/l	---
	Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
	Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
	Methyl tert butyl ether	1634-04-4	ND	2.0	ug/l	---	ND	5.0	ug/l	---
	Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Toluene	108-88-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
	Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

September 27, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3401-1
Sample date: 2011-08-29 2011-08-30
Report received by Enovis: 2011-09-23
Initial Data Verification completed by Enovis: 2011-09-27

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Soil sample(s) were analyzed for GCMS VOC, GC VOC, GC Other and Metals parameter(s). 1 Soil sample was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results for Soil samples have been reported on a dry weight basis.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for Naphthalene. Client sample -003 results for this analyte should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC QC batch 141012, DRO and GRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

DRO method blank had a detection below the RL. Client sample -002 DRO result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC trip blank had detections below the RL for naphthalene, toluene and m/p-xylenes. Client sample -001 m/p-xylene results should be considered to be non-detect at the RL and qualified with a UB flag. The Naphthalene result in the trip blank was considered to be non-detect at the RL and qualified with a UB flag as noted above due to method blank detections.

The laboratory case narrative indicated that the GCMS VOC frozen encore containers had thawed during transit from the Pittsburgh to North Canton laboratories. The prep date was therefore considered to be the date received at the North Canton laboratory which was outside of the 48 hour recommended holding time for all three samples. Client samples -001, -002 and -003 GCMS VOC results should all be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3401-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals
2401435542	ASB-139_6-8(20110829)	8/29/2011	5:15:00				X
2401435543	ASB-140_6-8(20110829)	8/30/2011	8:45:00				X
2401440915	MB-00420110830	8/30/2011	12:00:00	X			
2401440916	ASB-140_6-8(20110829)	8/30/2011	8:45:00	X			
2401440917	ASB-139_6-8(20110829)	8/29/2011	5:15:00	X			
2401476913	ASB-140_6-8(20110829)	8/30/2011	8:45:00			X	
2401476916	ASB-139_6-8(20110829)	8/29/2011	5:15:00			X	
240150027	ASB-139_6-8(20110829)	8/29/2011	5:15:00		X		
240150028	ASB-140_6-8(20110829)	8/30/2011	8:45:00		X		

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

		Sample Name:	MB-00420110830				ASB-140_6-8(20110829)				ASB-139_6-8(20110829)				ASB-140_6-8(20110829)			
		Lab Sample ID:	2401440915				2401440916				2401440917				2401476913			
		Sample Date:	8/30/2011				8/30/2011				8/29/2011				8/30/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																		
	OSW-8260B																	
	1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1-Dichloroethane	75-34-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1-Dichloroethene	75-35-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,1-Dichloropropene	563-58-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ								
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	1,2-Dibromoethane	106-93-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2-Dichloroethane	107-06-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,2-Dichloropropane	78-87-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ								
	1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,3-Dichloropropane	142-28-9	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	2,2-Dichloropropane	594-20-7	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ	ND	1100	ug/kg	UJ				
	2-Chlorotoluene	95-49-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	2-Hexanone	591-78-6	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ	ND	1100	ug/kg	UJ				
	4-Chlorotoluene	106-43-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ	ND	1100	ug/kg	UJ				
	Acetone	67-64-1	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ	ND	1100	ug/kg	UJ				
	Allyl chloride	107-05-1	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	Benzene	71-43-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Bromobenzene	108-86-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Bromochloromethane	74-97-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Bromodichloromethane	75-27-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Bromoform	75-25-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Bromomethane	74-83-9	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Carbon disulfide	75-15-0	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Carbon tetrachloride	56-23-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Chlorobenzene	108-90-7	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Chlorodibromomethane	124-48-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Chloroethane	75-00-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Chloroform	67-66-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Chloromethane	74-87-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Cyclohexane	110-82-7	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	Dibromomethane	74-95-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Dichlorofluoromethane	75-43-4	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	Ethyl ether	60-29-7	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	Ethylbenzene	100-41-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Hexachlorobutadiene	87-68-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Isopropylbenzene	98-82-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	m-Xylene & p-Xylene	179601-23-1					ND	570	ug/kg	UJ	23	550	ug/kg	UB				
	Methyl acetate	79-20-9	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ	ND	1100	ug/kg	UJ				
	Methylcyclohexane	108-87-2	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ	ND	550	ug/kg	UJ				
	Methylene Chloride	75-09-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	n-Butylbenzene	104-51-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	N-Propylbenzene	103-65-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Naphthalene	91-20-3	8.6	250	ug/kg	UB	ND	290	ug/kg	UJ	820	280	ug/kg	UJ				
	o-Xylene	95-47-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ								
	p-Isopropyltoluene	99-87-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	sec-Butylbenzene	135-98-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Styrene	100-42-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	tert-Butylbenzene	98-06-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Tetrachloroethene	127-18-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Tetrahydrofuran	109-99-9	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ	ND	1100	ug/kg	UJ				
	Toluene	108-88-3					ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Trichloroethene	79-01-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Trichlorofluoromethane	75-69-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
	Vinyl chloride	75-01-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ	ND	280	ug/kg	UJ				
GC Other																		
	PUBL-SW-141																	
	WI Diesel Range Organics (C10-C28)	E-1004													8.0	10	mg/kg	UB

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

		Sample Name:	ASB-139_6-8(20110829)				ASB-140_6-8(20110829)			
		Lab Sample ID:	2401435542				2401435543			
		Sample Date:	8/29/2011				8/30/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Lead	7439-92-1	4.5	0.34	mg/kg	---	2.6	0.35	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

		Sample Name:	MB-00420110830				ASB-140_6-8(20110829)			
		Lab Sample ID:	2401440915				2401440916			
		Sample Date:	8/30/2011				8/30/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ
2-Chlorotoluene	95-49-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
2-Hexanone	591-78-6	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ
4-Chlorotoluene	106-43-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ
Acetone	67-64-1	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ
Allyl chloride	107-05-1	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
Benzene	71-43-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Bromobenzene	108-86-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Bromochloromethane	74-97-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Bromodichloromethane	75-27-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Bromoform	75-25-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Bromomethane	74-83-9	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Carbon disulfide	75-15-0	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Carbon tetrachloride	56-23-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Chlorobenzene	108-90-7	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Chlorodibromomethane	124-48-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Chloroethane	75-00-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Chloroform	67-66-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Chloromethane	74-87-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Cyclohexane	110-82-7	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
Dibromomethane	74-95-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
Ethyl ether	60-29-7	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
Ethylbenzene	100-41-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Isopropylbenzene	98-82-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
m-Xylene & p-Xylene	179601-23-1	6.5	500	ug/kg	J	ND	570	ug/kg	UJ
Methyl acetate	79-20-9	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ
Methylcyclohexane	108-87-2	ND	500	ug/kg	UJ	ND	570	ug/kg	UJ
Methylene Chloride	75-09-2	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
n-Butylbenzene	104-51-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
N-Propylbenzene	103-65-1	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Naphthalene	91-20-3	8.6	250	ug/kg	UB	ND	290	ug/kg	UJ
o-Xylene	95-47-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
sec-Butylbenzene	135-98-8	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Styrene	100-42-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
tert-Butylbenzene	98-06-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Tetrachloroethene	127-18-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	UJ	ND	1100	ug/kg	UJ
Toluene	108-88-3	43	250	ug/kg	J	ND	290	ug/kg	UJ
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Trichloroethene	79-01-6	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ
Vinyl chloride	75-01-4	ND	250	ug/kg	UJ	ND	290	ug/kg	UJ

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

		Sample Name:	ASB-139_6-8(20110829)				ASB-140_6-8(20110829)			
		Lab Sample ID:	2401440917				2401476913			
		Sample Date:	8/29/2011				8/30/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	280	ug/kg	UJ				
1,1,1-Trichloroethane	71-55-6	ND	280	ug/kg	UJ				
1,1,2,2-Tetrachloroethane	79-34-5	ND	280	ug/kg	UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	280	ug/kg	UJ				
1,1,2-Trichloroethane	79-00-5	ND	280	ug/kg	UJ				
1,1-Dichloroethane	75-34-3	ND	280	ug/kg	UJ				
1,1-Dichloroethene	75-35-4	ND	280	ug/kg	UJ				
1,1-Dichloropropene	563-58-6	ND	280	ug/kg	UJ				
1,2,3-Trichlorobenzene	87-61-6	ND	280	ug/kg	UJ				
1,2,3-Trichloropropane	96-18-4	ND	280	ug/kg	UJ				
1,2,4-Trichlorobenzene	120-82-1	ND	280	ug/kg	UJ				
1,2,4-Trimethylbenzene	95-63-6	150	280	ug/kg	J				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	550	ug/kg	UJ				
1,2-Dibromoethane	106-93-4	ND	280	ug/kg	UJ				
1,2-Dichlorobenzene	95-50-1	ND	280	ug/kg	UJ				
1,2-Dichloroethane	107-06-2	ND	280	ug/kg	UJ				
1,2-Dichloropropane	78-87-5	ND	280	ug/kg	UJ				
1,3,5-Trimethylbenzene	108-67-8	43	280	ug/kg	J				
1,3-Dichlorobenzene	541-73-1	ND	280	ug/kg	UJ				
1,3-Dichloropropane	142-28-9	ND	280	ug/kg	UJ				
1,4-Dichlorobenzene	106-46-7	ND	280	ug/kg	UJ				
2,2-Dichloropropane	594-20-7	ND	280	ug/kg	UJ				
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	UJ				
2-Chlorotoluene	95-49-8	ND	280	ug/kg	UJ				
2-Hexanone	591-78-6	ND	1100	ug/kg	UJ				
4-Chlorotoluene	106-43-4	ND	280	ug/kg	UJ				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	UJ				
Acetone	67-64-1	ND	1100	ug/kg	UJ				
Allyl chloride	107-05-1	ND	550	ug/kg	UJ				
Benzene	71-43-2	ND	280	ug/kg	UJ				
Bromobenzene	108-86-1	ND	280	ug/kg	UJ				
Bromochloromethane	74-97-5	ND	280	ug/kg	UJ				
Bromodichloromethane	75-27-4	ND	280	ug/kg	UJ				
Bromoform	75-25-2	ND	280	ug/kg	UJ				
Bromomethane	74-83-9	ND	280	ug/kg	UJ				
Carbon disulfide	75-15-0	ND	280	ug/kg	UJ				
Carbon tetrachloride	56-23-5	ND	280	ug/kg	UJ				
Chlorobenzene	108-90-7	ND	280	ug/kg	UJ				
Chlorodibromomethane	124-48-1	ND	280	ug/kg	UJ				
Chloroethane	75-00-3	ND	280	ug/kg	UJ				
Chloroform	67-66-3	ND	280	ug/kg	UJ				
Chloromethane	74-87-3	ND	280	ug/kg	UJ				
cis-1,2-Dichloroethene	156-59-2	ND	280	ug/kg	UJ				
cis-1,3-Dichloropropene	10061-01-5	ND	280	ug/kg	UJ				
Cyclohexane	110-82-7	ND	550	ug/kg	UJ				
Dibromomethane	74-95-3	ND	280	ug/kg	UJ				
Dichlorodifluoromethane	75-71-8	ND	280	ug/kg	UJ				
Dichlorofluoromethane	75-43-4	ND	550	ug/kg	UJ				
Ethyl ether	60-29-7	ND	550	ug/kg	UJ				
Ethylbenzene	100-41-4	ND	280	ug/kg	UJ				
Hexachlorobutadiene	87-68-3	ND	280	ug/kg	UJ				
Isopropylbenzene	98-82-8	ND	280	ug/kg	UJ				
m-Xylene & p-Xylene	179601-23-1	23	550	ug/kg	UB				
Methyl acetate	79-20-9	ND	550	ug/kg	UJ				
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	UJ				
Methylcyclohexane	108-87-2	ND	550	ug/kg	UJ				
Methylene Chloride	75-09-2	ND	280	ug/kg	UJ				
n-Butylbenzene	104-51-8	ND	280	ug/kg	UJ				
N-Propylbenzene	103-65-1	ND	280	ug/kg	UJ				
Naphthalene	91-20-3	820	280	ug/kg	UJ				
o-Xylene	95-47-6	16	280	ug/kg	J				
p-Isopropyltoluene	99-87-6	ND	280	ug/kg	UJ				
sec-Butylbenzene	135-98-8	ND	280	ug/kg	UJ				
Styrene	100-42-5	ND	280	ug/kg	UJ				
tert-Butylbenzene	98-06-6	ND	280	ug/kg	UJ				
Tetrachloroethene	127-18-4	ND	280	ug/kg	UJ				
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	UJ				
Toluene	108-88-3	ND	280	ug/kg	UJ				
trans-1,2-Dichloroethene	156-60-5	ND	280	ug/kg	UJ				
trans-1,3-Dichloropropene	10061-02-6	ND	280	ug/kg	UJ				
Trichloroethene	79-01-6	ND	280	ug/kg	UJ				
Trichlorofluoromethane	75-69-4	ND	280	ug/kg	UJ				
Vinyl chloride	75-01-4	ND	280	ug/kg	UJ				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

		Sample Name:	ASB-139_6-8(20110829)				ASB-140_6-8(20110829)			
		Lab Sample ID:	2401440917				2401476913			
		Sample Date:	8/29/2011				8/30/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004					8.0	10	mg/kg	UB
Metals									
OSW-6010B									
Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

		Sample Name:	ASB-139_6-8(20110829)				ASB-139_6-8(20110829)			
		Lab Sample ID:	2401476916				240150027			
		Sample Date:	8/29/2011				8/29/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005					8.6	12	mg/kg	J
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	1100	210	mg/kg	---				
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3401-1

Sample Name: ASB-140_6-8(20110829)
Lab Sample ID: 240150028
Sample Date: 8/30/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005	ND	12	mg/kg	---
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				
Metals					
OSW-6010B					
Lead	7439-92-1				

September 28, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3402-1
Sample date: 2011-08-30
Report received by Enovis: 2011-09-26
Initial Data Verification completed by Enovis: 2011-09-28

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

5 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for Naphthalene. Client sample -005 results for this analyte should be considered to be non-detect at the RL and qualified with a UB flag.

GMS VOC QC batch 14142, DRO and GCMS SVOC QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

DRO method blank for QC batch 14012 had a detection below the RL. Client samples -002, -003, -004 and -005 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank was non-detect for all target analytes.

The laboratory case narrative indicated that the GCMS VOC frozen encore containers had thawed during transit from the Pittsburgh to North Canton laboratories. The prep date was therefore considered to be the date received at the North Canton laboratory which was still less than the 48 hour recommended holding time for all three samples. Qualification of client sample results was not applied based on this sample receipt information alone.

DRO Continuing Calibration Verification (CCV) standard response was outside of method control limits biased high according to the laboratory submittal case narrative. Since all associated sample results were non-detect qualification was not required.

Metals method blank for QC batch 14055 had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.
The laboratory case narrative also indicated that the metals sequence CCB had a detection above the RL for silver. Raw data for the CCB was not provided but the case narrative noted that qualification was not required.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3402-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401424161	ASB-141_2-4(20110830)	8/30/2011	10:00:00						X
2401424162	ASB-141_6-8(20110830)	8/30/2011	10:15:00						X
2401424163	ASB-142_2-4(20110830)	8/30/2011	11:15:00						X
2401424164	ASB-143_1-3(20110830)	8/30/2011	11:55:00						X
2401424165	ASB-144_2-4(20110830)	8/30/2011	2:15:00						X
2401435544	ASB-141_2-4(20110830)	8/30/2011	10:00:00					X	
2401435545	ASB-141_6-8(20110830)	8/30/2011	10:15:00					X	
2401435546	ASB-142_2-4(20110830)	8/30/2011	11:15:00					X	
2401435547	ASB-143_1-3(20110830)	8/30/2011	11:55:00					X	
2401435550	ASB-144_2-4(20110830)	8/30/2011	2:15:00					X	
2401437332	ASB-141_6-8(20110830)	8/30/2011	10:15:00				X		
2401437333	ASB-142_2-4(20110830)	8/30/2011	11:15:00				X		
2401437335	ASB-144_2-4(20110830)	8/30/2011	2:15:00				X		
2401440918	MB-005(20110830)	8/30/2011	12:00:00	X					
2401440919	ASB-144_2-4(20110830)	8/30/2011	2:15:00	X					
2401449510	ASB-142_2-4(20110830)	8/30/2011	11:15:00		X				
240144956	ASB-144_2-4(20110830)	8/30/2011	2:15:00		X				
240144957	ASB-141_6-8(20110830)	8/30/2011	10:15:00		X				
240144958	ASB-141_2-4(20110830)	8/30/2011	10:00:00		X				
240144959	ASB-143_1-3(20110830)	8/30/2011	11:55:00		X				
2401458110	ASB-144_2-4(20110830)	8/30/2011	2:15:00			X			
2401476914	ASB-141_2-4(20110830)	8/30/2011	10:00:00				X		
2401476915	ASB-143_1-3(20110830)	8/30/2011	11:55:00				X		

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-141_6-8(20110830)				ASB-142_2-4(20110830)				ASB-144_2-4(20110830)				ASB-144_2-4(20110830)				ASB-143_1-3(20110830)			
		Lab Sample ID:	2401437332				2401437333				2401437335				2401440919				2401476915			
		Sample Date:	8/30/2011				8/30/2011				8/30/2011				8/30/2011				8/30/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC																						
OSW-8260B																						
Naphthalene	91-20-3														17	280	ug/kg	UB				
GC Other																						
PUBL-SW-141																						
WI Diesel Range Organics (C10-C28)	E-1004		2.7	11	mg/kg	UB	3.5	11	mg/kg	UB	3.8	9.3	mg/kg	UB					7.9	10	mg/kg	UB

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-141_2-4(20110830)				ASB-141_6-8(20110830)			
		Lab Sample ID:	2401424161				2401424162			
		Sample Date:	8/30/2011				8/30/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6	ND	0.13	mg/kg	---	0.035	0.088	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-142_2-4(20110830)				ASB-143_1-3(20110830)			
		Lab Sample ID:	2401424163				2401424164			
		Sample Date:	8/30/2011				8/30/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6	0.019	0.089	mg/kg	J	0.014	0.095	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-144_2-4(20110830)				ASB-141_2-4(20110830)			
		Lab Sample ID:	2401424165				2401435544			
		Sample Date:	8/30/2011				8/30/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
OSW-8082										
Aroclor-1016	12674-11-2									
Aroclor-1221	11104-28-2									
Aroclor-1232	11141-16-5									
Aroclor-1242	53469-21-9									
Aroclor-1248	12672-29-6									
Aroclor-1254	11097-69-1									
Aroclor-1260	11096-82-5									
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004									
Metals										
OSW-6010B										
Arsenic	7440-38-2						3.8	1.3	mg/kg	---
Barium	7440-39-3						21	26	mg/kg	J
Cadmium	7440-43-9						ND	0.26	mg/kg	---
Chromium	7440-47-3						16	0.65	mg/kg	---
Lead	7439-92-1						2.9	0.39	mg/kg	---
Selenium	7782-49-2						ND	0.65	mg/kg	---
Silver	7440-22-4						ND	0.65	mg/kg	---
OSW-7471A										
Mercury	7439-97-6	ND	0.086	mg/kg	---					

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-141_6-8(20110830)				ASB-142_2-4(20110830)				
		Lab Sample ID:	2401435545				2401435546				
		Sample Date:	8/30/2011				8/30/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2	7.5	1.0	mg/kg	---	3.0	1.1	mg/kg	---
	Barium	7440-39-3	39	21	mg/kg	---	16	22	mg/kg	J
	Cadmium	7440-43-9	ND	0.21	mg/kg	---	ND	0.22	mg/kg	---
	Chromium	7440-47-3	24	0.52	mg/kg	---	14	0.55	mg/kg	---
	Lead	7439-92-1	4.1	0.31	mg/kg	---	3.0	0.33	mg/kg	---
	Selenium	7782-49-2	ND	0.52	mg/kg	---	ND	0.55	mg/kg	---
	Silver	7440-22-4	ND	0.52	mg/kg	---	ND	0.55	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-143_1-3(20110830)				ASB-144_2-4(20110830)			
		Lab Sample ID:	2401435547				2401435550			
		Sample Date:	8/30/2011				8/30/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic	7440-38-2	2.1	1.1	mg/kg	---	7.6	0.96	mg/kg	---
	Barium	7440-39-3	23	21	mg/kg	---	120	19	mg/kg	---
	Cadmium	7440-43-9	ND	0.21	mg/kg	---	0.28	0.19	mg/kg	---
	Chromium	7440-47-3	12	0.53	mg/kg	---	9.1	0.48	mg/kg	---
	Lead	7439-92-1	3.1	0.32	mg/kg	---	4.8	0.29	mg/kg	---
	Selenium	7782-49-2	ND	0.53	mg/kg	---	ND	0.48	mg/kg	---
	Silver	7440-22-4	ND	0.53	mg/kg	---	ND	0.48	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-141_6-8(20110830)				ASB-142_2-4(20110830)				
		Lab Sample ID:	2401437332				2401437333				
		Sample Date:	8/30/2011				8/30/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	2.7	11	mg/kg	UB	3.5	11	mg/kg	UB
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-144_2-4(20110830)				MB-005(20110830)			
		Lab Sample ID:	2401437335				2401440918			
		Sample Date:	8/30/2011				8/30/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6					ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6					ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5					ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5					ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3					ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4					ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6					ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6					ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4					ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1					ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6					ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8					ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4					ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1					ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2					ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5					ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8					ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1					ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9					ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7					ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7					ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3					ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8					ND	250	ug/kg	---
2-Hexanone	591-78-6					ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4					ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1					ND	1000	ug/kg	---
Acetone	67-64-1					ND	1000	ug/kg	---
Allyl chloride	107-05-1					ND	500	ug/kg	---
Benzene	71-43-2					ND	250	ug/kg	---
Bromobenzene	108-86-1					ND	250	ug/kg	---
Bromochloromethane	74-97-5					ND	250	ug/kg	---
Bromodichloromethane	75-27-4					ND	250	ug/kg	---
Bromoform	75-25-2					ND	250	ug/kg	---
Bromomethane	74-83-9					ND	250	ug/kg	---
Carbon disulfide	75-15-0					ND	250	ug/kg	---
Carbon tetrachloride	56-23-5					ND	250	ug/kg	---
Chlorobenzene	108-90-7					ND	250	ug/kg	---
Chlorodibromomethane	124-48-1					ND	250	ug/kg	---
Chloroethane	75-00-3					ND	250	ug/kg	---
Chloroform	67-66-3					ND	250	ug/kg	---
Chloromethane	74-87-3					ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2					ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5					ND	250	ug/kg	---
Cyclohexane	110-82-7					ND	500	ug/kg	---
Dibromomethane	74-95-3					ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8					ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4					ND	500	ug/kg	---
Ethyl ether	60-29-7					ND	500	ug/kg	---
Ethylbenzene	100-41-4					ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3					ND	250	ug/kg	---
Isopropylbenzene	98-82-8					ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1					ND	500	ug/kg	---
Methyl acetate	79-20-9					ND	500	ug/kg	---
Methyl tert butyl ether	1634-04-4					ND	1000	ug/kg	---
Methylcyclohexane	108-87-2					ND	500	ug/kg	---
Methylene Chloride	75-09-2					ND	250	ug/kg	---
n-Butylbenzene	104-51-8					ND	250	ug/kg	---
N-Propylbenzene	103-65-1					ND	250	ug/kg	---
Naphthalene	91-20-3					ND	250	ug/kg	---
o-Xylene	95-47-6					ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6					ND	250	ug/kg	---
sec-Butylbenzene	135-98-8					ND	250	ug/kg	---
Styrene	100-42-5					ND	250	ug/kg	---
tert-Butylbenzene	98-06-6					ND	250	ug/kg	---
Tetrachloroethene	127-18-4					ND	250	ug/kg	---
Tetrahydrofuran	109-99-9					ND	1000	ug/kg	---
Toluene	108-88-3					ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5					ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6					ND	250	ug/kg	---
Trichloroethene	79-01-6					ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4					ND	250	ug/kg	---
Vinyl chloride	75-01-4					ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-144_2-4(20110830)				MB-005(20110830)				
		Lab Sample ID:	2401437335				2401440918				
		Sample Date:	8/30/2011				8/30/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	3.8	9.3	mg/kg	UB				
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-144_2-4(20110830)				ASB-142_2-4(20110830)			
		Lab Sample ID:	2401440919				2401449510			
		Sample Date:	8/30/2011				8/30/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	280	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	280	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	280	ug/kg	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	280	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	280	ug/kg	---				
1,1-Dichloroethane	75-34-3	ND	280	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	280	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	280	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	280	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	280	ug/kg	---				
1,2,4-Trichlorobenzene	120-82-1	ND	280	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	ND	280	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	550	ug/kg	---				
1,2-Dibromoethane	106-93-4	ND	280	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	280	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	280	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	280	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	ND	280	ug/kg	---				
1,3-Dichlorobenzene	541-73-1	ND	280	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	280	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	280	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	280	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	280	ug/kg	---				
2-Hexanone	591-78-6	ND	1100	ug/kg	---				
4-Chlorotoluene	106-43-4	ND	280	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---				
Acetone	67-64-1	ND	1100	ug/kg	---				
Allyl chloride	107-05-1	ND	550	ug/kg	---				
Benzene	71-43-2	ND	280	ug/kg	---				
Bromobenzene	108-86-1	ND	280	ug/kg	---				
Bromochloromethane	74-97-5	ND	280	ug/kg	---				
Bromodichloromethane	75-27-4	ND	280	ug/kg	---				
Bromoform	75-25-2	ND	280	ug/kg	---				
Bromomethane	74-83-9	ND	280	ug/kg	---				
Carbon disulfide	75-15-0	ND	280	ug/kg	---				
Carbon tetrachloride	56-23-5	ND	280	ug/kg	---				
Chlorobenzene	108-90-7	ND	280	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	280	ug/kg	---				
Chloroethane	75-00-3	ND	280	ug/kg	---				
Chloroform	67-66-3	ND	280	ug/kg	---				
Chloromethane	74-87-3	ND	280	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	280	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	280	ug/kg	---				
Cyclohexane	110-82-7	ND	550	ug/kg	---				
Dibromomethane	74-95-3	ND	280	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	280	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	550	ug/kg	---				
Ethyl ether	60-29-7	ND	550	ug/kg	---				
Ethylbenzene	100-41-4	ND	280	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	280	ug/kg	---				
Isopropylbenzene	98-82-8	ND	280	ug/kg	---				
m-Xylene & p-Xylene	179601-23-1	ND	550	ug/kg	---				
Methyl acetate	79-20-9	31	550	ug/kg	J				
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---				
Methylcyclohexane	108-87-2	ND	550	ug/kg	---				
Methylene Chloride	75-09-2	ND	280	ug/kg	---				
n-Butylbenzene	104-51-8	ND	280	ug/kg	---				
N-Propylbenzene	103-65-1	ND	280	ug/kg	---				
Naphthalene	91-20-3	17	280	ug/kg	UB				
o-Xylene	95-47-6	ND	280	ug/kg	---				
p-Isopropyltoluene	99-87-6	ND	280	ug/kg	---				
sec-Butylbenzene	135-98-8	ND	280	ug/kg	---				
Styrene	100-42-5	ND	280	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	280	ug/kg	---				
Tetrachloroethene	127-18-4	ND	280	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---				
Toluene	108-88-3	ND	280	ug/kg	---				
trans-1,2-Dichloroethene	156-60-5	ND	280	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	280	ug/kg	---				
Trichloroethene	79-01-6	ND	280	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	280	ug/kg	---				
Vinyl chloride	75-01-4	ND	280	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-144_2-4(20110830)				ASB-142_2-4(20110830)			
		Lab Sample ID:	2401440919				2401449510			
		Sample Date:	8/30/2011				8/30/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	1,1'-Biphenyl	92-52-4								
	2,2'-oxybis[1-chloropropane]	108-60-1								
	2,4,5-Trichlorophenol	95-95-4								
	2,4,6-Trichlorophenol	88-06-2								
	2,4-Dichlorophenol	120-83-2								
	2,4-Dimethylphenol	105-67-9								
	2,4-Dinitrophenol	51-28-5								
	2,4-Dinitrotoluene	121-14-2								
	2,6-Dinitrotoluene	606-20-2								
	2-Chloronaphthalene	91-58-7								
	2-Chlorophenol	95-57-8								
	2-Methylnaphthalene	91-57-6					ND	410	ug/kg	---
	2-Methylphenol	95-48-7								
	2-Nitroaniline	88-74-4								
	2-Nitrophenol	88-75-5								
	3 & 4 Methylphenol	65794-96-9								
	3,3'-Dichlorobenzidine	91-94-1								
	3-Nitroaniline	99-09-2								
	4,6-Dinitro-2-methylphenol	534-52-1								
	4-Bromophenyl phenyl ether	101-55-3								
	4-Chloro-3-methylphenol	59-50-7								
	4-Chloroaniline	106-47-8								
	4-Chlorophenyl phenyl ether	7005-72-3								
	4-Nitroaniline	100-01-6								
	4-Nitrophenol	100-02-7								
	Acenaphthene	83-32-9					ND	410	ug/kg	---
	Acenaphthylene	208-96-8					ND	410	ug/kg	---
	Acetophenone	98-86-2								
	Anthracene	120-12-7					ND	410	ug/kg	---
	Atrazine	1912-24-9								
	Benzaldehyde	100-52-7								
	Benzo[a]anthracene	56-55-3					ND	410	ug/kg	---
	Benzo[a]pyrene	50-32-8					ND	410	ug/kg	---
	Benzo[b]fluoranthene	205-99-2					ND	410	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2					ND	410	ug/kg	---
	Benzo[k]fluoranthene	207-08-9					ND	410	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1								
	Bis(2-chloroethyl)ether	111-44-4								
	Bis(2-ethylhexyl) phthalate	117-81-7								
	Butyl benzyl phthalate	85-68-7								
	Caprolactam	105-60-2								
	Carbazole	86-74-8								
	Chrysene	218-01-9					ND	410	ug/kg	---
	Di-n-butyl phthalate	84-74-2								
	Di-n-octyl phthalate	117-84-0								
	Dibenz(a,h)anthracene	53-70-3					ND	410	ug/kg	---
	Dibenzofuran	132-64-9								
	Diethyl phthalate	84-66-2								
	Dimethyl phthalate	131-11-3								
	Fluoranthene	206-44-0					ND	410	ug/kg	---
	Fluorene	86-73-7					ND	410	ug/kg	---
	Hexachlorobenzene	118-74-1								
	Hexachlorobutadiene	87-68-3								
	Hexachlorocyclopentadiene	77-47-4								
	Hexachloroethane	67-72-1								
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	410	ug/kg	---
	Isophorone	78-59-1								
	N-Nitrosodi-n-propylamine	621-64-7								
	N-Nitrosodiphenylamine	86-30-6								
	Naphthalene	91-20-3					ND	410	ug/kg	---
	Nitrobenzene	98-95-3								
	Pentachlorophenol	87-86-5								
	Phenanthrene	85-01-8					ND	410	ug/kg	---
	Phenol	108-95-2								
	Pyrene	129-00-0					ND	410	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-144_2-4(20110830)				ASB-141_6-8(20110830)			
		Lab Sample ID:	240144956				240144957			
		Sample Date:	8/30/2011				8/30/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
OSW-8270C										
	1,1'-Biphenyl	92-52-4	ND	360	ug/kg	---				
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	360	ug/kg	---				
	2,4,5-Trichlorophenol	95-95-4	ND	360	ug/kg	---				
	2,4,6-Trichlorophenol	88-06-2	ND	360	ug/kg	---				
	2,4-Dichlorophenol	120-83-2	ND	360	ug/kg	---				
	2,4-Dimethylphenol	105-67-9	ND	360	ug/kg	---				
	2,4-Dinitrophenol	51-28-5	ND	1800	ug/kg	---				
	2,4-Dinitrotoluene	121-14-2	ND	360	ug/kg	---				
	2,6-Dinitrotoluene	606-20-2	ND	360	ug/kg	---				
	2-Chloronaphthalene	91-58-7	ND	360	ug/kg	---				
	2-Chlorophenol	95-57-8	ND	360	ug/kg	---				
	2-Methylnaphthalene	91-57-6	ND	360	ug/kg	---	ND	410	ug/kg	---
	2-Methylphenol	95-48-7	ND	360	ug/kg	---				
	2-Nitroaniline	88-74-4	ND	1800	ug/kg	---				
	2-Nitrophenol	88-75-5	ND	360	ug/kg	---				
	3 & 4 Methylphenol	65794-96-9	ND	440	ug/kg	---				
	3,3'-Dichlorobenzidine	91-94-1	ND	1800	ug/kg	---				
	3-Nitroaniline	99-09-2	ND	1800	ug/kg	---				
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1800	ug/kg	---				
	4-Bromophenyl phenyl ether	101-55-3	ND	360	ug/kg	---				
	4-Chloro-3-methylphenol	59-50-7	ND	360	ug/kg	---				
	4-Chloroaniline	106-47-8	ND	360	ug/kg	---				
	4-Chlorophenyl phenyl ether	7005-72-3	ND	360	ug/kg	---				
	4-Nitroaniline	100-01-6	ND	1800	ug/kg	---				
	4-Nitrophenol	100-02-7	ND	1800	ug/kg	---				
	Acenaphthene	83-32-9	ND	360	ug/kg	---	ND	410	ug/kg	---
	Acenaphthylene	208-96-8	ND	360	ug/kg	---	ND	410	ug/kg	---
	Acetophenone	98-86-2	ND	360	ug/kg	---				
	Anthracene	120-12-7	ND	360	ug/kg	---	ND	410	ug/kg	---
	Atrazine	1912-24-9	ND	360	ug/kg	---				
	Benzaldehyde	100-52-7	ND	360	ug/kg	---				
	Benzo[a]anthracene	56-55-3	ND	360	ug/kg	---	ND	410	ug/kg	---
	Benzo[a]pyrene	50-32-8	ND	360	ug/kg	---	ND	410	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	ND	360	ug/kg	---	ND	410	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	ND	360	ug/kg	---	ND	410	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	ND	360	ug/kg	---	ND	410	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	360	ug/kg	---				
	Bis(2-chloroethyl)ether	111-44-4	ND	360	ug/kg	---				
	Bis(2-ethylhexyl) phthalate	117-81-7	ND	360	ug/kg	---				
	Butyl benzyl phthalate	85-68-7	ND	360	ug/kg	---				
	Caprolactam	105-60-2	ND	360	ug/kg	---				
	Carbazole	86-74-8	ND	360	ug/kg	---				
	Chrysene	218-01-9	ND	360	ug/kg	---	ND	410	ug/kg	---
	Di-n-butyl phthalate	84-74-2	ND	360	ug/kg	---				
	Di-n-octyl phthalate	117-84-0	ND	360	ug/kg	---				
	Dibenz(a,h)anthracene	53-70-3	ND	360	ug/kg	---	ND	410	ug/kg	---
	Dibenzofuran	132-64-9	ND	360	ug/kg	---				
	Diethyl phthalate	84-66-2	ND	360	ug/kg	---				
	Dimethyl phthalate	131-11-3	ND	360	ug/kg	---				
	Fluoranthene	206-44-0	ND	360	ug/kg	---	ND	410	ug/kg	---
	Fluorene	86-73-7	ND	360	ug/kg	---	ND	410	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	360	ug/kg	---				
	Hexachlorobutadiene	87-68-3	ND	360	ug/kg	---				
	Hexachlorocyclopentadiene	77-47-4	ND	1800	ug/kg	---				
	Hexachloroethane	67-72-1	ND	360	ug/kg	---				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	360	ug/kg	---	ND	410	ug/kg	---
	Isophorone	78-59-1	ND	360	ug/kg	---				
	N-Nitrosodi-n-propylamine	621-64-7	ND	360	ug/kg	---				
	N-Nitrosodiphenylamine	86-30-6	ND	360	ug/kg	---				
	Naphthalene	91-20-3	ND	360	ug/kg	---	ND	410	ug/kg	---
	Nitrobenzene	98-95-3	ND	360	ug/kg	---				
	Pentachlorophenol	87-86-5	ND	360	ug/kg	---				
	Phenanthrene	85-01-8	ND	360	ug/kg	---	ND	410	ug/kg	---
	Phenol	108-95-2	ND	360	ug/kg	---				
	Pyrene	129-00-0	ND	360	ug/kg	---	ND	410	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

		Sample Name:	ASB-141_2-4(20110830)				ASB-143_1-3(20110830)			
		Lab Sample ID:	240144958				240144959			
		Sample Date:	8/30/2011				8/30/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
	OSW-8270C									
	1,1'-Biphenyl	92-52-4								
	2,2'-oxybis[1-chloropropane]	108-60-1								
	2,4,5-Trichlorophenol	95-95-4								
	2,4,6-Trichlorophenol	88-06-2								
	2,4-Dichlorophenol	120-83-2								
	2,4-Dimethylphenol	105-67-9								
	2,4-Dinitrophenol	51-28-5								
	2,4-Dinitrotoluene	121-14-2								
	2,6-Dinitrotoluene	606-20-2								
	2-Chloronaphthalene	91-58-7								
	2-Chlorophenol	95-57-8								
	2-Methylnaphthalene	91-57-6	ND	440	ug/kg	---	ND	400	ug/kg	---
	2-Methylphenol	95-48-7								
	2-Nitroaniline	88-74-4								
	2-Nitrophenol	88-75-5								
	3 & 4 Methylphenol	65794-96-9								
	3,3'-Dichlorobenzidine	91-94-1								
	3-Nitroaniline	99-09-2								
	4,6-Dinitro-2-methylphenol	534-52-1								
	4-Bromophenyl phenyl ether	101-55-3								
	4-Chloro-3-methylphenol	59-50-7								
	4-Chloroaniline	106-47-8								
	4-Chlorophenyl phenyl ether	7005-72-3								
	4-Nitroaniline	100-01-6								
	4-Nitrophenol	100-02-7								
	Acenaphthene	83-32-9	ND	440	ug/kg	---	ND	400	ug/kg	---
	Acenaphthylene	208-96-8	ND	440	ug/kg	---	ND	400	ug/kg	---
	Acetophenone	98-86-2								
	Anthracene	120-12-7	ND	440	ug/kg	---	ND	400	ug/kg	---
	Atrazine	1912-24-9								
	Benzaldehyde	100-52-7								
	Benzo[a]anthracene	56-55-3	ND	440	ug/kg	---	ND	400	ug/kg	---
	Benzo[a]pyrene	50-32-8	ND	440	ug/kg	---	ND	400	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	ND	440	ug/kg	---	ND	400	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	ND	440	ug/kg	---	ND	400	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	ND	440	ug/kg	---	ND	400	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1								
	Bis(2-chloroethyl)ether	111-44-4								
	Bis(2-ethylhexyl) phthalate	117-81-7								
	Butyl benzyl phthalate	85-68-7								
	Caprolactam	105-60-2								
	Carbazole	86-74-8								
	Chrysene	218-01-9	ND	440	ug/kg	---	ND	400	ug/kg	---
	Di-n-butyl phthalate	84-74-2								
	Di-n-octyl phthalate	117-84-0								
	Dibenz(a,h)anthracene	53-70-3	ND	440	ug/kg	---	ND	400	ug/kg	---
	Dibenzofuran	132-64-9								
	Diethyl phthalate	84-66-2								
	Dimethyl phthalate	131-11-3								
	Fluoranthene	206-44-0	ND	440	ug/kg	---	ND	400	ug/kg	---
	Fluorene	86-73-7	ND	440	ug/kg	---	ND	400	ug/kg	---
	Hexachlorobenzene	118-74-1								
	Hexachlorobutadiene	87-68-3								
	Hexachlorocyclopentadiene	77-47-4								
	Hexachloroethane	67-72-1								
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	440	ug/kg	---	ND	400	ug/kg	---
	Isophorone	78-59-1								
	N-Nitrosodi-n-propylamine	621-64-7								
	N-Nitrosodiphenylamine	86-30-6								
	Naphthalene	91-20-3	ND	440	ug/kg	---	ND	400	ug/kg	---
	Nitrobenzene	98-95-3								
	Pentachlorophenol	87-86-5								
	Phenanthrene	85-01-8	ND	440	ug/kg	---	ND	400	ug/kg	---
	Phenol	108-95-2								
	Pyrene	129-00-0	ND	440	ug/kg	---	ND	400	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

			Sample Name:	ASB-144_2-4(20110830)				ASB-141_2-4(20110830)			
			Lab Sample ID:	2401458110				2401476914			
			Sample Date:	8/30/2011				8/30/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	36	ug/kg	---				
	Aroclor-1221	11104-28-2	ND	36	ug/kg	---				
	Aroclor-1232	11141-16-5	ND	36	ug/kg	---				
	Aroclor-1242	53469-21-9	ND	36	ug/kg	---				
	Aroclor-1248	12672-29-6	ND	36	ug/kg	---				
	Aroclor-1254	11097-69-1	ND	36	ug/kg	---				
	Aroclor-1260	11096-82-5	ND	36	ug/kg	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					12	12	mg/kg	---
Metals										
	OSW-6010B									
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								
	Lead	7439-92-1								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3402-1

Sample Name: ASB-143_1-3(20110830)
Lab Sample ID: 2401476915
Sample Date: 8/30/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004	7.9	10	mg/kg	UB
Metals					
OSW-6010B					
Arsenic	7440-38-2				
Barium	7440-39-3				
Cadmium	7440-43-9				
Chromium	7440-47-3				
Lead	7439-92-1				
Selenium	7782-49-2				
Silver	7440-22-4				
OSW-7471A					
Mercury	7439-97-6				

September 27, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3408-1
Sample date: 2011-08-30 2011-08-31
Report received by Enovis: 2011-09-23
Initial Data Verification completed by Enovis: 2011-09-27

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results for Soil samples have been reported on a dry weight basis.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for Naphthalene. Client samples -004, -007 and -008 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC QC batch 141142, DRO and GRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

DRO method blank had a detection below the RL. Client samples -006 and -007 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had a detection below the RL for naphthalene. The Naphthalene result in the trip blank was considered to be non-detect at the RL and qualified with a UB flag as noted above due to method blank detections.

GCMS SVOC MSD recovery performed on client sample -004, was outside of laboratory control limits biased low for dibenzo(a,h)anthracene. The MS/MSD RPD was also an outlier. Client sample -004 result for this analyte should be considered to be estimated and qualified with a UJ flag.

The laboratory case narrative indicated that the GCMS VOC frozen encore containers had thawed during transit from the Pittsburgh to North Canton laboratories. The prep date was therefore considered to be the date received at the North Canton laboratory which was still less than the 48 hour recommended holding time for all three samples. Qualification of client sample results was not applied based on this sample receipt information alone.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3408-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals
2401440022	ASB-147_0-2(20110831)	8/31/2011	10:45:00				X	
2401440025	ASB-148_0-2(20110831)	8/31/2011	12:25:00				X	
2401440920	MB-006(20110831)	8/31/2011	12:00:00	X				
2401440921	ASB-146_0-2(20110831)	8/31/2011	8:55:00	X				
2401440922	ASB-145_6-8(20110830)	8/30/2011	4:55:00	X				
2401440923	ASB-147_0-2(20110831)	8/31/2011	10:45:00	X				
2401440924	ASB-148_4-6(20110831)	8/31/2011	12:40:00	X				
2401443190	ASB-146_6-8(20110831)	8/31/2011	9:10:00					X
2401443196	ASB-146_0-2(20110831)	8/31/2011	8:55:00					X
2401443197	ASB-145_6-8(20110830)	8/30/2011	4:55:00					X
240145187	ASB-148_0-2(20110831)	8/31/2011	12:25:00	X				
240145189	ASB-147_6-8(20110831)	8/31/2011	10:55:00	X				
240146747	ASB-146_6-8(20110831)	8/31/2011	9:10:00	X				
2401476115	ASB-145_6-8(20110830)	8/30/2011	4:55:00			X		
2401476116	ASB-147_0-2(20110831)	8/31/2011	10:45:00			X		
2401476117	ASB-147_6-8(20110831)	8/31/2011	10:55:00			X		
2401476119	ASB-148_0-2(20110831)	8/31/2011	12:25:00			X		
2401479422	ASB-148_0-2(20110831)	8/31/2011	12:25:00		X			
2401479429	ASB-147_0-2(20110831)	8/31/2011	10:45:00		X			
2401479432	ASB-148_4-6(20110831)	8/31/2011	12:40:00		X			
2401479433	ASB-147_6-8(20110831)	8/31/2011	10:55:00		X			
2401500021	ASB-147_6-8(20110831)	8/31/2011	10:55:00				X	
2401500022	ASB-148_4-6(20110831)	8/31/2011	12:40:00				X	
2401500210	ASB-146_0-2(20110831)	8/31/2011	8:55:00			X		
2401500211	ASB-148_4-6(20110831)	8/31/2011	12:40:00			X		
240150029	ASB-146_6-8(20110831)	8/31/2011	9:10:00			X		

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_0-2(20110831)				MB-006(20110831)				ASB-147_0-2(20110831)				ASB-148_0-2(20110831)				ASB-147_0-2(20110831)				ASB-148_4-6(20110831)			
		Lab Sample ID:	2401440025				2401440920				2401440923				240145187				2401479429				2401500022			
		Sample Date:	8/31/2011				8/31/2011				8/31/2011				8/31/2011				8/31/2011				8/31/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																										
OSW-8260B																										
Naphthalene	91-20-3						8.1	250	ug/kg	UB	7.3	250	ug/kg	UB	8.0	250	ug/kg	UB								
GC/MS SVOC																										
OSW-8270C																										
Dibenz(a,h)anthracene	53-70-3																		ND	370	ug/kg	UJ				
GC Other																										
PUBL-SW-141																										
WI Diesel Range Organics (C10-C28)	E-1004		3.1	8.7	mg/kg	UB																	7.5	8.5	mg/kg	UB

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-147_0-2(20110831)				ASB-148_0-2(20110831)			
		Lab Sample ID:	2401440022				2401440025			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	9.8	9.3	mg/kg	---	3.1	8.7	mg/kg	UB
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	MB-006(20110831)				ASB-146_0-2(20110831)			
		Lab Sample ID:	2401440920				2401440921			
		Sample Date:	8/31/2011				8/31/2011			
				Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC										
OSW-8260B										
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---	ND	570	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---	ND	290	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---	ND	290	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---	ND	290	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---	ND	290	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---	ND	290	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---	ND	290	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---	ND	290	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---	ND	570	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---	ND	290	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---	ND	290	ug/kg	---
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---	ND	290	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---	ND	290	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---	ND	290	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---	ND	290	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---	ND	290	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---	ND	290	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---	ND	570	ug/kg	---
Dibromomethane	74-95-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---	ND	290	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---	ND	570	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---	ND	570	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---	18	290	ug/kg	J
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---	ND	290	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---	49	570	ug/kg	J
Methyl acetate	79-20-9	ND	500	ug/kg	---	120	570	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	ND	500	ug/kg	---	ND	570	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---	ND	290	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---	ND	290	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---	ND	290	ug/kg	---
Naphthalene	91-20-3	8.1	250	ug/kg	UB	ND	290	ug/kg	---
o-Xylene	95-47-6	ND	250	ug/kg	---	27	290	ug/kg	J
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---	ND	290	ug/kg	---
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---	ND	290	ug/kg	---
Styrene	100-42-5	ND	250	ug/kg	---	ND	290	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---	ND	290	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---	38	290	ug/kg	J
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	250	ug/kg	---	ND	290	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	290	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	290	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	290	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	290	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	290	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-145_6-8(20110830)				ASB-147_0-2(20110831)			
		Lab Sample ID:	2401440922				2401440923			
		Sample Date:	8/30/2011				8/31/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	280	ug/kg	---	14	250	ug/kg	J
1,2-Dibromo-3-Chloropropane	96-12-8	ND	560	ug/kg	---	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	280	ug/kg	---	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	280	ug/kg	---	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	280	ug/kg	---	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	280	ug/kg	---	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	280	ug/kg	---	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	280	ug/kg	---	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	280	ug/kg	---	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	280	ug/kg	---	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	560	ug/kg	---	ND	500	ug/kg	---
Benzene	71-43-2	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromoform	75-25-2	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	280	ug/kg	---	ND	250	ug/kg	---
Carbon disulfide	75-15-0	ND	280	ug/kg	---	51	250	ug/kg	J
Carbon tetrachloride	56-23-5	ND	280	ug/kg	---	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	280	ug/kg	---	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	280	ug/kg	---	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	280	ug/kg	---	ND	250	ug/kg	---
Chloroform	67-66-3	ND	280	ug/kg	---	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	280	ug/kg	---	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	280	ug/kg	---	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	280	ug/kg	---	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	560	ug/kg	---	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	280	ug/kg	---	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	280	ug/kg	---	ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	560	ug/kg	---	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	560	ug/kg	---	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	280	ug/kg	---	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	280	ug/kg	---	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	280	ug/kg	---	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	560	ug/kg	---	9.6	500	ug/kg	J
Methyl acetate	79-20-9	63	560	ug/kg	J	250	500	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	560	ug/kg	---	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	280	ug/kg	---	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	280	ug/kg	---	14	250	ug/kg	J
N-Propylbenzene	103-65-1	ND	280	ug/kg	---	ND	250	ug/kg	---
Naphthalene	91-20-3	ND	280	ug/kg	---	7.3	250	ug/kg	UB
o-Xylene	95-47-6	ND	280	ug/kg	---	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	280	ug/kg	---	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	280	ug/kg	---	5.3	250	ug/kg	J
Styrene	100-42-5	ND	280	ug/kg	---	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	280	ug/kg	---	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	280	ug/kg	---	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Toluene	108-88-3	ND	280	ug/kg	---	ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	280	ug/kg	---	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	280	ug/kg	---	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	280	ug/kg	---	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	280	ug/kg	---	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	280	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_4-6(20110831)				ASB-146_6-8(20110831)			
		Lab Sample ID:	2401440924				2401443190			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
	1,1,1,2-Tetrachloroethane	630-20-6	ND	240	ug/kg	---				
	1,1,1-Trichloroethane	71-55-6	ND	240	ug/kg	---				
	1,1,2,2-Tetrachloroethane	79-34-5	ND	240	ug/kg	---				
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	240	ug/kg	---				
	1,1,2-Trichloroethane	79-00-5	ND	240	ug/kg	---				
	1,1-Dichloroethane	75-34-3	ND	240	ug/kg	---				
	1,1-Dichloroethene	75-35-4	ND	240	ug/kg	---				
	1,1-Dichloropropene	563-58-6	ND	240	ug/kg	---				
	1,2,3-Trichlorobenzene	87-61-6	ND	240	ug/kg	---				
	1,2,3-Trichloropropane	96-18-4	ND	240	ug/kg	---				
	1,2,4-Trichlorobenzene	120-82-1	ND	240	ug/kg	---				
	1,2,4-Trimethylbenzene	95-63-6	ND	240	ug/kg	---				
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	490	ug/kg	---				
	1,2-Dibromoethane	106-93-4	ND	240	ug/kg	---				
	1,2-Dichlorobenzene	95-50-1	ND	240	ug/kg	---				
	1,2-Dichloroethane	107-06-2	ND	240	ug/kg	---				
	1,2-Dichloropropane	78-87-5	ND	240	ug/kg	---				
	1,3,5-Trimethylbenzene	108-67-8	ND	240	ug/kg	---				
	1,3-Dichlorobenzene	541-73-1	ND	240	ug/kg	---				
	1,3-Dichloropropane	142-28-9	ND	240	ug/kg	---				
	1,4-Dichlorobenzene	106-46-7	ND	240	ug/kg	---				
	2,2-Dichloropropane	594-20-7	ND	240	ug/kg	---				
	2-Butanone (MEK)	78-93-3	ND	970	ug/kg	---				
	2-Chlorotoluene	95-49-8	ND	240	ug/kg	---				
	2-Hexanone	591-78-6	ND	970	ug/kg	---				
	4-Chlorotoluene	106-43-4	ND	240	ug/kg	---				
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	970	ug/kg	---				
	Acetone	67-64-1	ND	970	ug/kg	---				
	Allyl chloride	107-05-1	ND	490	ug/kg	---				
	Benzene	71-43-2	ND	240	ug/kg	---				
	Bromobenzene	108-86-1	ND	240	ug/kg	---				
	Bromochloromethane	74-97-5	ND	240	ug/kg	---				
	Bromodichloromethane	75-27-4	ND	240	ug/kg	---				
	Bromoform	75-25-2	ND	240	ug/kg	---				
	Bromomethane	74-83-9	ND	240	ug/kg	---				
	Carbon disulfide	75-15-0	ND	240	ug/kg	---				
	Carbon tetrachloride	56-23-5	ND	240	ug/kg	---				
	Chlorobenzene	108-90-7	ND	240	ug/kg	---				
	Chlorodibromomethane	124-48-1	ND	240	ug/kg	---				
	Chloroethane	75-00-3	ND	240	ug/kg	---				
	Chloroform	67-66-3	ND	240	ug/kg	---				
	Chloromethane	74-87-3	ND	240	ug/kg	---				
	cis-1,2-Dichloroethene	156-59-2	ND	240	ug/kg	---				
	cis-1,3-Dichloropropene	10061-01-5	ND	240	ug/kg	---				
	Cyclohexane	110-82-7	ND	490	ug/kg	---				
	Dibromomethane	74-95-3	ND	240	ug/kg	---				
	Dichlorodifluoromethane	75-71-8	ND	240	ug/kg	---				
	Dichlorofluoromethane	75-43-4	ND	490	ug/kg	---				
	Ethyl ether	60-29-7	ND	490	ug/kg	---				
	Ethylbenzene	100-41-4	14	240	ug/kg	J				
	Hexachlorobutadiene	87-68-3	ND	240	ug/kg	---				
	Isopropylbenzene	98-82-8	ND	240	ug/kg	---				
	m-Xylene & p-Xylene	179601-23-1	21	490	ug/kg	J				
	Methyl acetate	79-20-9	24	490	ug/kg	J				
	Methyl tert butyl ether	1634-04-4	ND	970	ug/kg	---				
	Methylcyclohexane	108-87-2	ND	490	ug/kg	---				
	Methylene Chloride	75-09-2	ND	240	ug/kg	---				
	n-Butylbenzene	104-51-8	ND	240	ug/kg	---				
	N-Propylbenzene	103-65-1	ND	240	ug/kg	---				
	Naphthalene	91-20-3	ND	240	ug/kg	---				
	o-Xylene	95-47-6	ND	240	ug/kg	---				
	p-Isopropyltoluene	99-87-6	ND	240	ug/kg	---				
	sec-Butylbenzene	135-98-8	ND	240	ug/kg	---				
	Styrene	100-42-5	ND	240	ug/kg	---				
	tert-Butylbenzene	98-06-6	ND	240	ug/kg	---				
	Tetrachloroethene	127-18-4	ND	240	ug/kg	---				
	Tetrahydrofuran	109-99-9	ND	970	ug/kg	---				
	Toluene	108-88-3	ND	240	ug/kg	---				
	trans-1,2-Dichloroethene	156-60-5	ND	240	ug/kg	---				
	trans-1,3-Dichloropropene	10061-02-6	ND	240	ug/kg	---				
	Trichloroethene	79-01-6	ND	240	ug/kg	---				
	Trichlorofluoromethane	75-69-4	ND	240	ug/kg	---				
	Vinyl chloride	75-01-4	ND	240	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_4-6(20110831)				ASB-146_6-8(20110831)			
		Lab Sample ID:	2401440924				2401443190			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Lead	7439-92-1					7.3	0.35	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-146_0-2(20110831)				ASB-145_6-8(20110830)			
		Lab Sample ID:	2401443196				2401443197			
		Sample Date:	8/31/2011				8/30/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
OSW-8270C										
2-Methylnaphthalene	91-57-6									
Acenaphthene	83-32-9									
Acenaphthylene	208-96-8									
Anthracene	120-12-7									
Benzo[a]anthracene	56-55-3									
Benzo[a]pyrene	50-32-8									
Benzo[b]fluoranthene	205-99-2									
Benzo[g,h,i]perylene	191-24-2									
Benzo[k]fluoranthene	207-08-9									
Chrysene	218-01-9									
Dibenz(a,h)anthracene	53-70-3									
Fluoranthene	206-44-0									
Fluorene	86-73-7									
Indeno[1,2,3-cd]pyrene	193-39-5									
Naphthalene	91-20-3									
Phenanthrene	85-01-8									
Pyrene	129-00-0									
GC VOC										
PUBL-SW-140										
WI Gasoline Range Organics (C6-C10)	E-1005									
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004									
Metals										
OSW-6010B										
Lead	7439-92-1		8.8	0.36	mg/kg	---	5.8	0.33	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_0-2(20110831)				ASB-147_6-8(20110831)			
		Lab Sample ID:	240145187				240145189			
		Sample Date:	8/31/2011				8/31/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---	ND	2700	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---	ND	1300	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---	ND	1300	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---	ND	1300	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	5400	ug/kg	---
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---	ND	1300	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	5400	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---	ND	2700	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---	ND	1300	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---	260	1300	ug/kg	J
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---	800	2700	ug/kg	J
Dibromomethane	74-95-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---	ND	1300	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---	ND	2700	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---	ND	2700	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---	1300	1300	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---	ND	2700	ug/kg	---
Methyl acetate	79-20-9	ND	500	ug/kg	---	200	2700	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Methylcyclohexane	108-87-2	ND	500	ug/kg	---	3400	2700	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---	ND	1300	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---	16000	1300	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---	3600	1300	ug/kg	---
Naphthalene	91-20-3	8.0	250	ug/kg	UB	ND	1300	ug/kg	---
o-Xylene	95-47-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---	3600	1300	ug/kg	---
Styrene	100-42-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	5400	ug/kg	---
Toluene	108-88-3	ND	250	ug/kg	---	ND	1300	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	1300	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	1300	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	1300	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	1300	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-146_6-8(20110831)				ASB-145_6-8(20110830)			
		Lab Sample ID:	240146747				2401476115			
		Sample Date:	8/31/2011				8/30/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1500	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	1500	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	1500	ug/kg	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1500	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	1500	ug/kg	---				
1,1-Dichloroethane	75-34-3	ND	1500	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	1500	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	1500	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	1500	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	1500	ug/kg	---				
1,2,4-Trichlorobenzene	120-82-1	ND	1500	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	ND	1500	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2900	ug/kg	---				
1,2-Dibromoethane	106-93-4	ND	1500	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	1500	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	1500	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	1500	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	ND	1500	ug/kg	---				
1,3-Dichlorobenzene	541-73-1	ND	1500	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	1500	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	1500	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	1500	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	5900	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	1500	ug/kg	---				
2-Hexanone	591-78-6	ND	5900	ug/kg	---				
4-Chlorotoluene	106-43-4	ND	1500	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5900	ug/kg	---				
Acetone	67-64-1	ND	5900	ug/kg	---				
Allyl chloride	107-05-1	ND	2900	ug/kg	---				
Benzene	71-43-2	ND	1500	ug/kg	---				
Bromobenzene	108-86-1	ND	1500	ug/kg	---				
Bromochloromethane	74-97-5	ND	1500	ug/kg	---				
Bromodichloromethane	75-27-4	ND	1500	ug/kg	---				
Bromoform	75-25-2	ND	1500	ug/kg	---				
Bromomethane	74-83-9	ND	1500	ug/kg	---				
Carbon disulfide	75-15-0	ND	1500	ug/kg	---				
Carbon tetrachloride	56-23-5	ND	1500	ug/kg	---				
Chlorobenzene	108-90-7	ND	1500	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	1500	ug/kg	---				
Chloroethane	75-00-3	ND	1500	ug/kg	---				
Chloroform	67-66-3	ND	1500	ug/kg	---				
Chloromethane	74-87-3	ND	1500	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	1500	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	1500	ug/kg	---				
Cyclohexane	110-82-7	7800	2900	ug/kg	---				
Dibromomethane	74-95-3	ND	1500	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	1500	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	2900	ug/kg	---				
Ethyl ether	60-29-7	ND	2900	ug/kg	---				
Ethylbenzene	100-41-4	ND	1500	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	1500	ug/kg	---				
Isopropylbenzene	98-82-8	2300	1500	ug/kg	---				
m-Xylene & p-Xylene	179601-23-1	ND	2900	ug/kg	---				
Methyl acetate	79-20-9	350	2900	ug/kg	J				
Methyl tert butyl ether	1634-04-4	ND	5900	ug/kg	---				
Methylcyclohexane	108-87-2	26000	2900	ug/kg	---				
Methylene Chloride	75-09-2	ND	1500	ug/kg	---				
n-Butylbenzene	104-51-8	20000	1500	ug/kg	---				
N-Propylbenzene	103-65-1	6200	1500	ug/kg	---				
Naphthalene	91-20-3	2800	1500	ug/kg	---				
o-Xylene	95-47-6	ND	1500	ug/kg	---				
p-Isopropyltoluene	99-87-6	ND	1500	ug/kg	---				
sec-Butylbenzene	135-98-8	3500	1500	ug/kg	---				
Styrene	100-42-5	ND	1500	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	1500	ug/kg	---				
Tetrachloroethene	127-18-4	ND	1500	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	5900	ug/kg	---				
Toluene	108-88-3	ND	1500	ug/kg	---				
trans-1,2-Dichloroethene	156-60-5	ND	1500	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	1500	ug/kg	---				
Trichloroethene	79-01-6	ND	1500	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	1500	ug/kg	---				
Vinyl chloride	75-01-4	ND	1500	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-146_6-8(20110831)				ASB-145_6-8(20110830)			
		Lab Sample ID:	240146747				2401476115			
		Sample Date:	8/31/2011				8/30/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005					ND	12	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-147_0-2(20110831)				ASB-147_6-8(20110831)			
		Lab Sample ID:	2401476116				2401476117			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	7.3	11	mg/kg	J	3000	570	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_0-2(20110831)				ASB-148_0-2(20110831)			
		Lab Sample ID:	2401476119				2401479422			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					ND	340	ug/kg	---
	Acenaphthene	83-32-9					ND	340	ug/kg	---
	Acenaphthylene	208-96-8					ND	340	ug/kg	---
	Anthracene	120-12-7					ND	340	ug/kg	---
	Benzo[a]anthracene	56-55-3					7.3	340	ug/kg	J
	Benzo[a]pyrene	50-32-8					6.2	340	ug/kg	J
	Benzo[b]fluoranthene	205-99-2					9.8	340	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2					5.1	340	ug/kg	J
	Benzo[k]fluoranthene	207-08-9					3.7	340	ug/kg	J
	Chrysene	218-01-9					7.3	340	ug/kg	J
	Dibenz(a,h)anthracene	53-70-3					ND	340	ug/kg	---
	Fluoranthene	206-44-0					11	340	ug/kg	J
	Fluorene	86-73-7					ND	340	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5					10	340	ug/kg	J
	Naphthalene	91-20-3					ND	340	ug/kg	---
	Phenanthrene	85-01-8					4.9	340	ug/kg	J
	Pyrene	129-00-0					8.5	340	ug/kg	J
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	10	mg/kg	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-147_0-2(20110831)				ASB-148_4-6(20110831)			
		Lab Sample ID:	2401479429				2401479432			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	3.7	370	ug/kg	J	ND	350	ug/kg	---
	Acenaphthene	83-32-9	ND	370	ug/kg	---	ND	350	ug/kg	---
	Acenaphthylene	208-96-8	ND	370	ug/kg	---	ND	350	ug/kg	---
	Anthracene	120-12-7	4.0	370	ug/kg	J	ND	350	ug/kg	---
	Benzo[a]anthracene	56-55-3	ND	370	ug/kg	---	ND	350	ug/kg	---
	Benzo[a]pyrene	50-32-8	8.6	370	ug/kg	J	3.8	350	ug/kg	J
	Benzo[b]fluoranthene	205-99-2	ND	370	ug/kg	---	4.9	350	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	9.4	370	ug/kg	J	4.1	350	ug/kg	J
	Benzo[k]fluoranthene	207-08-9	ND	370	ug/kg	---	ND	350	ug/kg	---
	Chrysene	218-01-9	ND	370	ug/kg	---	ND	350	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	370	ug/kg	UJ	ND	350	ug/kg	---
	Fluoranthene	206-44-0	25	370	ug/kg	J	4.6	350	ug/kg	J
	Fluorene	86-73-7	ND	370	ug/kg	---	ND	350	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	14	370	ug/kg	J	9.9	350	ug/kg	J
	Naphthalene	91-20-3	9.1	370	ug/kg	J	ND	350	ug/kg	---
	Phenanthrene	85-01-8	16	370	ug/kg	J	ND	350	ug/kg	---
	Pyrene	129-00-0	19	370	ug/kg	J	4.0	350	ug/kg	J
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-147_6-8(20110831)				ASB-147_6-8(20110831)			
		Lab Sample ID:	2401479433				2401500021			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	63	3700	ug/kg	J				
	Acenaphthene	83-32-9	41	3700	ug/kg	J				
	Acenaphthylene	208-96-8	ND	3700	ug/kg	---				
	Anthracene	120-12-7	ND	3700	ug/kg	---				
	Benzo[a]anthracene	56-55-3	ND	3700	ug/kg	---				
	Benzo[a]pyrene	50-32-8	ND	3700	ug/kg	---				
	Benzo[b]fluoranthene	205-99-2	ND	3700	ug/kg	---				
	Benzo[g,h,i]perylene	191-24-2	ND	3700	ug/kg	---				
	Benzo[k]fluoranthene	207-08-9	ND	3700	ug/kg	---				
	Chrysene	218-01-9	ND	3700	ug/kg	---				
	Dibenz(a,h)anthracene	53-70-3	ND	3700	ug/kg	---				
	Fluoranthene	206-44-0	83	3700	ug/kg	J				
	Fluorene	86-73-7	65	3700	ug/kg	J				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	3700	ug/kg	---				
	Naphthalene	91-20-3	ND	3700	ug/kg	---				
	Phenanthrene	85-01-8	110	3700	ug/kg	J				
	Pyrene	129-00-0	110	3700	ug/kg	J				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					29	9.4	mg/kg	---
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_4-6(20110831)				ASB-146_0-2(20110831)			
		Lab Sample ID:	2401500022				2401500210			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005					ND	13	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	7.5	8.5	mg/kg	UB				
Metals										
	OSW-6010B									
	Lead	7439-92-1								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3408-1

		Sample Name:	ASB-148_4-6(20110831)				ASB-146_6-8(20110831)			
		Lab Sample ID:	2401500211				240150029			
		Sample Date:	8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	10	mg/kg	---	780	250	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Lead	7439-92-1								

September 27, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3454-1
Sample date: 2011-09-01 2011-08-30 2011-08-31
Report received by Enovis: 2011-09-23
Initial Data Verification completed by Enovis: 2011-09-27

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) was analyzed for GCMS VOC, GC VOC and Metals parameter(s). 1 Water trip blank was analyzed for GCMS VOC parameters.
11 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results for Soil samples have been reported on a dry weight basis.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 14890 had a detection below the RL for Naphthalene. Client samples -002, -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC method blank for QC batch 15099 had a detection below the RL for Methylene chloride. Qualification of client sample results is not required based on this method blank detection.

GCMS VOC QC batch 14890, GCMS SVOC, DRO and GRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses.

GCMS VOC soil trip blank was non-detect for all target analytes tested. GCMS VOC water trip blank had a detection below the RL for methylcyclohexane. Qualification of client sample results was not required based on this trip blank detection.

GCMS VOC sample -007 MS/MSD recoveries were outside of laboratory control limits biased high for 1,1,2-trichloroethane. One MS only and the MS/MSD RPD were outliers with the recovery biased low for dichlordifluoromethane. Methylcyclohexane recovery was not considered to be reliable and was not used to qualify results due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule). Client sample -007 dichlorodifluoromethane results should be considered to be estimated and qualified with a UJ flag. The methylcyclohexane results were greater than the upper working calibration range of the instrument (CCV also an outlier biased high) so should be considered to be estimated and qualified with an E flag.

GCMS VOC samples -010 and -011 containers were received with suspected methanol leaks so the associated analysis was not performed.

GCMS SVOC QC batch 14528 method blank had detections below the RL for bis-2-ethylhexylphthalate, caprolactam and di-n-butylphthalate. Client samples -003, -004, -009, -010 and -011 bis-2-ethylhexylphthalate and samples -004 and -009 di-n-butylphthalate results should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC LCS recoveries for QC batch 14528 were outside of laboratory control limits biased low for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol. Client samples -002, -003, -004, -005, -006, -009, -010, -011, -012 results for these analytes should be considered to be estimated and qualified with UJ flags.

PCB batch 14434 Continuing Calibration Verification (CCV) standard response was outside of method control limits biased high. The identity of the aroclor outlier was not provided in the laboratory case narrative but since all associated sample results were non-detect qualification was not required.

DRO method blank for QC batch 14286 had a detection below the RL. Client samples -002, -003, -004, -009, -010, -011, -012 and -013 DRO result should be considered to be non-detect at the RL and qualified with UB flags.

DRO QC batch 14286 LCS recovery and LCS/LCSduplicate RPD were outside of laboratory control limits with the recovery biased low. Client samples -005 and -006 DRO results should be considered to be estimated and qualified with J flags.

Metals method blank for QC batch 14392 had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biase high for chromium. This metal was not a target analyte for the sample so qualification was not required. The Lead recovery was an outlier high along with an MS/MSD RPD outlier so client sample -001 Lead results should be considered to be estimated and qualified with a J flag. Raw data was not available in the lab submittal to determine if the 4X rule may apply.

Percent moisture duplicate RPD was an outlier for client sample -006, but the percent solids RPD was acceptable. Since this data is only being used for dry weight correction the moisture duplicate outlier did not translate into the need for qualification of client sample results.

Reporting limits were elevated due to dilutions required to either overcome sample matrix interferences or quantitate target analytes for client samples -002, -005, -006 and -012 GCMS SVOC results and client sample -007 GRO results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3454-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste	Dissolved ICP Metals
2401440010	ASB-150_2-4(20110831)	8/31/2011	3:40:00					X			
2401440011	ASB-155_0-2(20110901)	9/1/2011	9:50:00					X			
2401440012	ASB-156_0-2(20110901)	9/1/2011	10:40:00					X			
2401440013	ASB-153_2-4(20110901)	9/1/2011	8:20:00					X			
2401440014	ASB-154_1-3(20110901)	9/1/2011	9:10:00					X			
2401440015	ASB-133_2-4(20110901)	9/1/2011	12:15:00					X			
2401440017	ASB-157_0-2(20110901)	9/1/2011	2:55:00					X			
240144009	ASB-152_4-6(20110831)	8/31/2011	5:10:00					X			
2401443164	ASB-145_0-2(20110830)	8/30/2011	4:20:00						X		
2401443168	ASB-151_0-2(20110831)	8/31/2011	4:15:00						X		
2401443169	ASB-152_4-6(20110831)	8/31/2011	5:10:00						X		
2401443170	ASB-150_2-4(20110831)	8/31/2011	3:40:00						X		
2401443171	ASB-155_0-2(20110901)	9/1/2011	9:50:00						X		
2401443174	ASB-156_0-2(20110901)	9/1/2011	10:40:00						X		
2401443175	ASB-153_2-4(20110901)	9/1/2011	8:20:00						X		
2401443176	ASB-154_1-3(20110901)	9/1/2011	9:10:00						X		
2401443177	ASB-133_2-4(20110901)	9/1/2011	12:15:00						X		
2401443178	ASB-149_0-2(20110831)	8/31/2011	2:50:00						X		
2401455030	ASB-151_0-2(20110831)	8/31/2011	4:15:00							X	
2401455033	ASB-152_4-6(20110831)	8/31/2011	5:10:00							X	
2401455034	ASB-150_2-4(20110831)	8/31/2011	3:40:00							X	
2401455035	ASB-155_0-2(20110901)	9/1/2011	9:50:00							X	
2401455036	ASB-156_0-2(20110901)	9/1/2011	10:40:00							X	
2401455039	ASB-153_2-4(20110901)	9/1/2011	8:20:00							X	
2401455040	ASB-154_1-3(20110901)	9/1/2011	9:10:00							X	
2401455041	ASB-133_2-4(20110901)	9/1/2011	12:15:00							X	
2401455042	ASB-149_0-2(20110831)	8/31/2011	2:50:00							X	
2401458811	ASB-145_7-12(20110830)	8/30/2011	4:45:00				X				
2401459135	ASB-145_7-12(20110830)	8/30/2011	4:45:00								X
2401469410	ASB-150_2-4(20110831)	8/31/2011	3:40:00			X					
2401469411	ASB-149_0-2(20110831)	8/31/2011	2:50:00			X					
2401469415	ASB-155_0-2(20110901)	9/1/2011	9:50:00			X					
2401469416	ASB-156_0-2(20110901)	9/1/2011	10:40:00			X					
2401469417	ASB-153_2-4(20110901)	9/1/2011	8:20:00			X					
2401469418	ASB-154_1-3(20110901)	9/1/2011	9:10:00			X					
2401469419	ASB-133_2-4(20110901)	9/1/2011	12:15:00			X					
240146948	ASB-151_0-2(20110831)	8/31/2011	4:15:00			X					
240146949	ASB-152_4-6(20110831)	8/31/2011	5:10:00			X					
2401476122	ASB-145_0-2(20110830)	8/30/2011	4:20:00				X				
2401476123	ASB-157_0-2(20110901)	9/1/2011	2:55:00				X				
2401479423	ASB-152_4-6(20110831)	8/31/2011	5:10:00		X						
2401479424	ASB-153_2-4(20110901)	9/1/2011	8:20:00		X						
2401479425	ASB-133_2-4(20110901)	9/1/2011	12:15:00		X						
2401479426	ASB-157_0-2(20110901)	9/1/2011	2:55:00		X						
2401479427	ASB-150_2-4(20110831)	8/31/2011	3:40:00		X						
2401479428	ASB-154_1-3(20110901)	9/1/2011	9:10:00		X						
2401479434	ASB-151_0-2(20110831)	8/31/2011	4:15:00		X						
2401479435	ASB-155_0-2(20110901)	9/1/2011	9:50:00		X						
2401479436	ASB-156_0-2(20110901)	9/1/2011	10:40:00		X						
2401479437	ASB-149_0-2(20110831)	8/31/2011	2:50:00		X						
2401498810	ASB-151_0-2(20110831)	8/31/2011	4:15:00	X							
2401498811	ASB-152_4-6(20110831)	8/31/2011	5:10:00	X							
2401498812	ASB-150_2-4(20110831)	8/31/2011	3:40:00	X							
2401498813	ASB-155_0-2(20110901)	9/1/2011	9:50:00	X							
2401498814	ASB-156_0-2(20110901)	9/1/2011	10:40:00	X							
2401498815	ASB-153_2-4(20110901)	9/1/2011	8:20:00	X							
2401498816	ASB-149_0-2(20110831)	8/31/2011	2:50:00	X							
2401498817	ASB-157_0-2(20110901)	9/1/2011	2:55:00	X							
2401498818	MB-007(20110901)	9/1/2011	12:00:00	X							
240149889	ASB-145_0-2(20110830)	8/30/2011	4:20:00	X							
2401500019	ASB-151_0-2(20110831)	8/31/2011	4:15:00					X			
2401500020	ASB-149_0-2(20110831)	8/31/2011	2:50:00					X			
2401509917	ASB-145_7-12(20110830)	8/30/2011	4:45:00	X							
2401509918	TB-005(20110901)	9/1/2011	12:00:00	X							

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3454-1

	Sample Name:	ASB-150_2-4(20110831)					ASB-155_0-2(20110901)					ASB-156_0-2(20110901)					ASB-153_2-4(20110901)					ASB-154_1-3(20110901)			
	Lab Sample ID:	2401440010					2401440011					2401440012					2401440013					2401440014			
	Sample Date:	8/31/2011					9/1/2011					9/1/2011					9/1/2011					9/1/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC																									
OSW-8260B																									
Dichlorodifluoromethane	75-71-8																								
Methylcyclohexane	108-87-2																								
Naphthalene	91-20-3																								
GC/MS SVOC																									
OSW-8270C																									
2,4-Dinitrophenol	51-28-5																								
4,6-Dinitro-2-methylphenol	534-52-1																								
Bis(2-ethylhexyl) phthalate	117-81-7																								
Di-n-butyl phthalate	84-74-2																								
GC Other																									
PUBL-SW-141																									
WI Diesel Range Organics (C10-C28)	E-1004	3.3	10	mg/kg	UB		18	9.5	mg/kg	J		17	8.9	mg/kg	J		3.2	9.9	mg/kg	UB		3.1	9.3	mg/kg	UB
Metals																									
OSW-6010B																									
Lead	7439-92-1																								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3454-1

		Sample Name:	ASB-133_2-4(20110901)				ASB-157_0-2(20110901)				ASB-152_4-6(20110831)				ASB-145_0-2(20110830)				ASB-152_4-6(20110831)			
		Lab Sample ID:	2401440015				2401440017				240144009				2401443164				2401479423			
		Sample Date:	9/1/2011				9/1/2011				8/31/2011				8/30/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																						
	OSW-8260B																					
	Dichlorodifluoromethane	75-71-8																				
	Methylcyclohexane	108-87-2																				
	Naphthalene	91-20-3																				
GC/MS SVOC																						
	OSW-8270C																					
	2,4-Dinitrophenol	51-28-5																	ND	1700	ug/kg	UJ
	4,6-Dinitro-2-methylphenol	534-52-1																	ND	1700	ug/kg	UJ
	Bis(2-ethylhexyl) phthalate	117-81-7																	21	360	ug/kg	UB
	Di-n-butyl phthalate	84-74-2																				
GC Other																						
	PUBL-SW-141																					
	WI Diesel Range Organics (C10-C28)	E-1004	2.8	9.3	mg/kg	UB	3.0	9.2	mg/kg	UB	2.7	9.4	mg/kg	UB								
Metals																						
	OSW-6010B																					
	Lead	7439-92-1													51	0.30	mg/kg	J				

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3454-1

		Sample Name:	ASB-153_2-4(20110901)				ASB-133_2-4(20110901)				ASB-150_2-4(20110831)				ASB-154_1-3(20110901)				ASB-151_0-2(20110831)			
		Lab Sample ID:	2401479424				2401479425				2401479427				2401479428				2401479434			
		Sample Date:	9/1/2011				9/1/2011				8/31/2011				9/1/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																						
	OSW-8260B																					
	Dichlorodifluoromethane	75-71-8																				
	Methylcyclohexane	108-87-2																				
	Naphthalene	91-20-3																				
GC/MS SVOC																						
	OSW-8270C																					
	2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	UJ	ND	1800	ug/kg	UJ	ND	1900	ug/kg	UJ	ND	1800	ug/kg	UJ	ND	4300	ug/kg	UJ
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	UJ	ND	1800	ug/kg	UJ	ND	1900	ug/kg	UJ	ND	1800	ug/kg	UJ	ND	4300	ug/kg	UJ
	Bis(2-ethylhexyl) phthalate	117-81-7	40	380	ug/kg	UB	22	360	ug/kg	UB	30	390	ug/kg	UB	32	360	ug/kg	UB				
	Di-n-butyl phthalate	84-74-2	32	380	ug/kg	UB					18	390	ug/kg	UB								
GC Other																						
	PUBL-SW-141																					
	WI Diesel Range Organics (C10-C28)	E-1004																				
Metals																						
	OSW-6010B																					
	Lead	7439-92-1																				

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3454-1

		Sample Name:	ASB-155_0-2(20110901)				ASB-156_0-2(20110901)				ASB-149_0-2(20110831)				ASB-151_0-2(20110831)				ASB-152_4-6(20110831)			
		Lab Sample ID:	2401479435				2401479436				2401479437				2401498810				2401498811			
		Sample Date:	9/1/2011				9/1/2011				8/31/2011				8/31/2011				8/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																						
	OSW-8260B																					
	Dichlorodifluoromethane	75-71-8																				
	Methylcyclohexane	108-87-2																				
	Naphthalene	91-20-3													11	240	ug/kg	UB	9.2	250	ug/kg	UB
GC/MS SVOC																						
	OSW-8270C																					
	2,4-Dinitrophenol	51-28-5	ND	4500	ug/kg	UJ	ND	4300	ug/kg	UJ	ND	4200	ug/kg	UJ								
	4,6-Dinitro-2-methylphenol	534-52-1	ND	4500	ug/kg	UJ	ND	4300	ug/kg	UJ	ND	4200	ug/kg	UJ								
	Bis(2-ethylhexyl) phthalate	117-81-7																				
	Di-n-butyl phthalate	84-74-2																				
GC Other																						
	PUBL-SW-141																					
	WI Diesel Range Organics (C10-C28)	E-1004																				
Metals																						
	OSW-6010B																					
	Lead	7439-92-1																				

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3454-1

		Sample Name:	ASB-150_2-4(20110831)				ASB-151_0-2(20110831)				ASB-149_0-2(20110831)				ASB-145_7-12(20110830)			
		Lab Sample ID:	2401498812				2401500019				2401500020				2401509917			
		Sample Date:	8/31/2011				8/31/2011				8/31/2011				8/30/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC																		
	OSW-8260B																	
	Dichlorodifluoromethane	75-71-8													ND	1.0	ug/l	UJ
	Methylcyclohexane	108-87-2													41	1.0	ug/l	E
	Naphthalene	91-20-3	9.4	280	ug/kg	UB												
GC/MS SVOC																		
	OSW-8270C																	
	2,4-Dinitrophenol	51-28-5																
	4,6-Dinitro-2-methylphenol	534-52-1																
	Bis(2-ethylhexyl) phthalate	117-81-7																
	Di-n-butyl phthalate	84-74-2																
GC Other																		
	PUBL-SW-141																	
	WI Diesel Range Organics (C10-C28)	E-1004					3.8	8.9	mg/kg	UB	3.9	8.7	mg/kg	UB				
Metals																		
	OSW-6010B																	
	Lead	7439-92-1																

September 29, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3519-1
Sample date: 2011-09-01 2011-09-02
Report received by Enovis: 2011-09-28
Initial Data Verification completed by Enovis: 2011-09-29

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, GC VOC and GC Other parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

DRO method blank had a detection below the RL. Client sample -002 DRO results should be considered to be non-detect at the RL and qualified with a UB flag and client sample -007 DRO result should be considered to be non-detect at the concentration reported and qualified with a B flag.

DRO Continuing Calibration Verification (CCV) standard response was outside of method control limits biased high according to the laboratory submittal case narrative. Since all associated sample results were non-detect qualification was not required.

DRO QC batches did not include matrix spike data due to insufficient sample available to perform MS/MSD analyses. GCMS SVOC QC batch MS recovery outliers were not performed on a sample from this submittal.

GCMS VOC batch 15010 and batch 14890 method blanks had detections below the RL for Naphthalene. Client samples -001, -002 -003, -005 and -007 results for naphthalene should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for toluene and m+p-xylenes. Client samples -001, -002 and -003 toluene results and samples -002 and -007 m+p-xylenes results should be considered to be non-detect at the RL and qualified with a UB flags. No other detections were reported for the trip blank.

GRO Continuing Calibration Verification (CCV) standard response for QC batch 16334 was outside of method control limits biased high according to the laboratory submittal case narrative. Since all associated sample results were non-detect qualification was not required.

GCMS VOC MS/MSD RPD performed on client sample -005 was outside of laboratory control limits for acetone. Qualification of client sample results was not required based on this QC outlier alone.

GCMS SVOC QC batch MS recovery outliers were not performed on a sample from this submittal. Qualification of client sample results was not required based on this sample-matrix specific QC outlier.

GRO MS recoveries performed on client sample -005 were outside of laboratory control limits biased low. The MS/MSD RPD was also an outlier. Client sample -005 GRO result should be considered to be estimated and qualified with a J flag.

GRO LCS recovery for QC batch 14847 was outside of laboratory control limits biased high. Client samples -003, -004, -005, -006 and -007 original analyses GRO results should all be considered to be estimated and qualified with J flags.

GRO samples -003, -004, -005 and -006 were re-analyzed outside of the recommended holding time of 14 days. These results should all be considered to be estimated and qualified with J flags (QC batch 16548).

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3519-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	Wisconsin GRO Method	Wisconsin DRO Method
2401462625	ASB-158_4-6(20110901)	9/1/2011	4:35:00				X
2401476120	ASB-158_02(20110901)	9/1/2011	4:20:00			X	
2401476121	ASB-158_4-6(20110901)	9/1/2011	4:35:00			X	
2401498819	ASB-158_02(20110901)	9/1/2011	4:20:00	X			
2401498820	ASB-158_4-6(20110901)	9/1/2011	4:35:00	X			
2401498821	TB-008(20110902)	9/2/2011	12:00:00	X			
2401514811	ASB-159_2-4(20110902)	9/2/2011	9:15:00	X			
2401514812	ASB-160_2-4(20110902)	9/2/2011	11:15:00	X			
2401514815	ASB-160_5-7(20110902)	9/2/2011	11:55:00	X			
2401514816	ASB-161_1-3(20110902)	9/2/2011	12:45:00	X			
240151489	ASB-159_5-7(20110902)	9/2/2011	9:20:00	X			
240153035	ASB-158_4-6(20110901)	9/1/2011	4:35:00		X		
240153036	ASB-158_02(20110901)	9/1/2011	4:20:00		X		
2401532119	ASB-158_02(20110901)	9/1/2011	4:20:00				X
2401532120	ASB-159_2-4(20110902)	9/2/2011	9:15:00				X
2401532121	ASB-159_5-7(20110902)	9/2/2011	9:20:00				X
2401532123	ASB-160_5-7(20110902)	9/2/2011	11:55:00				X
2401542731	ASB-160_2-4(20110902)	9/2/2011	11:15:00		X		
2401542732	ASB-160_5-7(20110902)	9/2/2011	11:55:00		X		
2401542733	ASB-161_1-3(20110902)	9/2/2011	12:45:00		X		
2401542734	ASB-159_2-4(20110902)	9/2/2011	9:15:00		X		
2401542735	ASB-159_5-7(20110902)	9/2/2011	9:20:00		X		
2401603422	ASB-160_2-4(20110902)	9/2/2011	11:15:00				X
2401603423	ASB-161_1-3(20110902)	9/2/2011	12:45:00				X
2401633438	ASB-161_1-3(20110902)	9/2/2011	12:45:00			X	
2401654814	ASB-159_2-4(20110902)	9/2/2011	9:15:00			X	
2401654815	ASB-159_5-7(20110902)	9/2/2011	9:20:00			X	
2401654816	ASB-160_2-4(20110902)	9/2/2011	11:15:00			X	
2401654819	ASB-160_5-7(20110902)	9/2/2011	11:55:00			X	

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-158_4-6(20110901)				ASB-158_02(20110901)				ASB-158_4-6(20110901)				ASB-159_2-4(20110902)				ASB-160_2-4(20110902)			
		Lab Sample ID:	2401462625				2401498819				2401498820				2401514811				2401514812			
		Sample Date:	9/1/2011				9/1/2011				9/1/2011				9/2/2011				9/2/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																						
	OSW-8260B																					
	m-Xylene & p-Xylene	179601-23-1									15	480	ug/kg	UB								
	Naphthalene	91-20-3					34	250	ug/kg	UB	8.1	240	ug/kg	UB	50	290	ug/kg	UB	18	270	ug/kg	UB
	Toluene	108-88-3					130	250	ug/kg	UB	17	240	ug/kg	UB	29	290	ug/kg	UB				
GC VOC																						
	PUBL-SW-140																					
	WI Gasoline Range Organics (C6-C10)	E-1005																				
GC Other																						
	PUBL-SW-141																					
	WI Diesel Range Organics (C10-C28)	E-1004	3.2	9.1	mg/kg	UB																

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-161_1-3(20110902)				ASB-161_1-3(20110902)				ASB-161_1-3(20110902)				ASB-159_2-4(20110902)				ASB-159_5-7(20110902)			
		Lab Sample ID:	2401514816				2401603423				2401633438				2401654814				2401654815			
		Sample Date:	9/2/2011				9/2/2011				9/2/2011				9/2/2011				9/2/2011			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC																						
OSW-8260B																						
m-Xylene & p-Xylene	179601-23-1		7.9	540	ug/kg	UB																
Naphthalene	91-20-3		16	270	ug/kg	UB																
Toluene	108-88-3																					
GC VOC																						
PUBL-SW-140																						
WI Gasoline Range Organics (C6-C10)	E-1005										1.6	9.9	mg/kg	J	53	11	mg/kg	J	790	230	mg/kg	J
GC Other																						
PUBL-SW-141																						
WI Diesel Range Organics (C10-C28)	E-1004						8.7	8.6	mg/kg	B												

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-160_2-4(20110902)				ASB-160_5-7(20110902)			
		Lab Sample ID:	2401654816				2401654819			
		Sample Date:	9/2/2011				9/2/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
	OSW-8260B									
	m-Xylene & p-Xylene	179601-23-1								
	Naphthalene	91-20-3								
	Toluene	108-88-3								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	8.6	12	mg/kg	J	160	53	mg/kg	J
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-158_4-6(20110901)				ASB-158_02(20110901)			
		Lab Sample ID:	2401462625				2401476120			
		Sample Date:	9/1/2011				9/1/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005					ND	11	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	3.2	9.1	mg/kg	UB				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-158_4-6(20110901)				ASB-158_02(20110901)			
		Lab Sample ID:	2401476121				2401498819			
		Sample Date:	9/1/2011				9/1/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
	1,1,1,2-Tetrachloroethane	630-20-6					ND	250	ug/kg	---
	1,1,1-Trichloroethane	71-55-6					ND	250	ug/kg	---
	1,1,2,2-Tetrachloroethane	79-34-5					ND	250	ug/kg	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	250	ug/kg	---
	1,1,2-Trichloroethane	79-00-5					ND	250	ug/kg	---
	1,1-Dichloroethane	75-34-3					ND	250	ug/kg	---
	1,1-Dichloroethene	75-35-4					ND	250	ug/kg	---
	1,1-Dichloropropene	563-58-6					ND	250	ug/kg	---
	1,2,3-Trichlorobenzene	87-61-6					ND	250	ug/kg	---
	1,2,3-Trichloropropane	96-18-4					ND	250	ug/kg	---
	1,2,4-Trichlorobenzene	120-82-1					ND	250	ug/kg	---
	1,2,4-Trimethylbenzene	95-63-6					15	250	ug/kg	J
	1,2-Dibromo-3-Chloropropane	96-12-8					ND	510	ug/kg	---
	1,2-Dibromoethane	106-93-4					ND	250	ug/kg	---
	1,2-Dichlorobenzene	95-50-1					ND	250	ug/kg	---
	1,2-Dichloroethane	107-06-2					ND	250	ug/kg	---
	1,2-Dichloropropane	78-87-5					ND	250	ug/kg	---
	1,3,5-Trimethylbenzene	108-67-8					ND	250	ug/kg	---
	1,3-Dichlorobenzene	541-73-1					ND	250	ug/kg	---
	1,3-Dichloropropane	142-28-9					ND	250	ug/kg	---
	1,4-Dichlorobenzene	106-46-7					ND	250	ug/kg	---
	2,2-Dichloropropane	594-20-7					ND	250	ug/kg	---
	2-Butanone (MEK)	78-93-3					ND	1000	ug/kg	---
	2-Chlorotoluene	95-49-8					ND	250	ug/kg	---
	2-Hexanone	591-78-6					ND	1000	ug/kg	---
	4-Chlorotoluene	106-43-4					ND	250	ug/kg	---
	4-Methyl-2-pentanone (MIBK)	108-10-1					ND	1000	ug/kg	---
	Acetone	67-64-1					ND	1000	ug/kg	---
	Allyl chloride	107-05-1					ND	510	ug/kg	---
	Benzene	71-43-2					ND	250	ug/kg	---
	Bromobenzene	108-86-1					ND	250	ug/kg	---
	Bromochloromethane	74-97-5					ND	250	ug/kg	---
	Bromodichloromethane	75-27-4					ND	250	ug/kg	---
	Bromoform	75-25-2					ND	250	ug/kg	---
	Bromomethane	74-83-9					ND	250	ug/kg	---
	Carbon disulfide	75-15-0					ND	250	ug/kg	---
	Carbon tetrachloride	56-23-5					ND	250	ug/kg	---
	Chlorobenzene	108-90-7					ND	250	ug/kg	---
	Chlorodibromomethane	124-48-1					ND	250	ug/kg	---
	Chloroethane	75-00-3					ND	250	ug/kg	---
	Chloroform	67-66-3					ND	250	ug/kg	---
	Chloromethane	74-87-3					ND	250	ug/kg	---
	cis-1,2-Dichloroethene	156-59-2					ND	250	ug/kg	---
	cis-1,3-Dichloropropene	10061-01-5					ND	250	ug/kg	---
	Cyclohexane	110-82-7					ND	510	ug/kg	---
	Dibromomethane	74-95-3					ND	250	ug/kg	---
	Dichlorodifluoromethane	75-71-8					ND	250	ug/kg	---
	Dichlorofluoromethane	75-43-4					ND	510	ug/kg	---
	Ethyl ether	60-29-7					ND	510	ug/kg	---
	Ethylbenzene	100-41-4					17	250	ug/kg	J
	Hexachlorobutadiene	87-68-3					ND	250	ug/kg	---
	Isopropylbenzene	98-82-8					ND	250	ug/kg	---
	m-Xylene & p-Xylene	179601-23-1					90	510	ug/kg	J
	Methyl acetate	79-20-9					79	510	ug/kg	J
	Methyl tert butyl ether	1634-04-4					ND	1000	ug/kg	---
	Methylcyclohexane	108-87-2					39	510	ug/kg	J
	Methylene Chloride	75-09-2					ND	250	ug/kg	---
	n-Butylbenzene	104-51-8					ND	250	ug/kg	---
	N-Propylbenzene	103-65-1					ND	250	ug/kg	---
	Naphthalene	91-20-3					34	250	ug/kg	UB
	o-Xylene	95-47-6					41	250	ug/kg	J
	p-Isopropyltoluene	99-87-6					ND	250	ug/kg	---
	sec-Butylbenzene	135-98-8					ND	250	ug/kg	---
	Styrene	100-42-5					13	250	ug/kg	J
	tert-Butylbenzene	98-06-6					ND	250	ug/kg	---
	Tetrachloroethene	127-18-4					ND	250	ug/kg	---
	Tetrahydrofuran	109-99-9					ND	1000	ug/kg	---
	Toluene	108-88-3					130	250	ug/kg	UB
	trans-1,2-Dichloroethene	156-60-5					ND	250	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6					ND	250	ug/kg	---
	Trichloroethene	79-01-6					ND	250	ug/kg	---
	Trichlorofluoromethane	75-69-4					ND	250	ug/kg	---
	Vinyl chloride	75-01-4					ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-158_4-6(20110901)				ASB-158_02(20110901)			
		Lab Sample ID:	2401476121				2401498819			
		Sample Date:	9/1/2011				9/1/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	ND	11	mg/kg	---				
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-158_4-6(20110901)				TB-008(20110902)			
		Lab Sample ID:	2401498820				2401498821			
		Sample Date:	9/1/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	240	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	13	240	ug/kg	J	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	480	ug/kg	---	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	240	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	240	ug/kg	---	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	240	ug/kg	---	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	240	ug/kg	---	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	240	ug/kg	---	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	240	ug/kg	---	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	240	ug/kg	---	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	950	ug/kg	---	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	240	ug/kg	---	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	950	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	240	ug/kg	---	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	950	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	950	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	480	ug/kg	---	ND	500	ug/kg	---
Benzene	71-43-2	ND	240	ug/kg	---	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	240	ug/kg	---	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	240	ug/kg	---	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	240	ug/kg	---	ND	250	ug/kg	---
Bromoform	75-25-2	ND	240	ug/kg	---	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	240	ug/kg	---	ND	250	ug/kg	---
Carbon disulfide	75-15-0	ND	240	ug/kg	---	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	240	ug/kg	---	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	240	ug/kg	---	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	240	ug/kg	---	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	240	ug/kg	---	ND	250	ug/kg	---
Chloroform	67-66-3	ND	240	ug/kg	---	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	240	ug/kg	---	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	240	ug/kg	---	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	240	ug/kg	---	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	480	ug/kg	---	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	240	ug/kg	---	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	240	ug/kg	---	ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	480	ug/kg	---	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	480	ug/kg	---	ND	500	ug/kg	---
Ethylbenzene	100-41-4	7.9	240	ug/kg	J	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	240	ug/kg	---	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	240	ug/kg	---	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	15	480	ug/kg	UB	6.8	500	ug/kg	J
Methyl acetate	79-20-9	28	480	ug/kg	J	ND	500	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	950	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	480	ug/kg	---	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	240	ug/kg	---	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	240	ug/kg	---	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	240	ug/kg	---	ND	250	ug/kg	---
Naphthalene	91-20-3	8.1	240	ug/kg	UB	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	240	ug/kg	---	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	240	ug/kg	---	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	240	ug/kg	---	ND	250	ug/kg	---
Styrene	100-42-5	ND	240	ug/kg	---	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	240	ug/kg	---	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	240	ug/kg	---	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	950	ug/kg	---	ND	1000	ug/kg	---
Toluene	108-88-3	17	240	ug/kg	UB	33	250	ug/kg	J
trans-1,2-Dichloroethene	156-60-5	ND	240	ug/kg	---	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	240	ug/kg	---	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	240	ug/kg	---	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	240	ug/kg	---	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	240	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-159_2-4(20110902)				ASB-160_2-4(20110902)			
		Lab Sample ID:	2401514811				2401514812			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	290	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	67	290	ug/kg	J	28	270	ug/kg	J
1,2-Dibromo-3-Chloropropane	96-12-8	ND	580	ug/kg	---	ND	540	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	290	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	290	ug/kg	---	ND	270	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	16	290	ug/kg	J	ND	270	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	290	ug/kg	---	ND	270	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	290	ug/kg	---	ND	270	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	290	ug/kg	---	ND	270	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	290	ug/kg	---	ND	270	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1200	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8	ND	290	ug/kg	---	ND	270	ug/kg	---
2-Hexanone	591-78-6	ND	1200	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	290	ug/kg	---	ND	270	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	580	ug/kg	---	ND	540	ug/kg	---
Benzene	71-43-2	ND	290	ug/kg	---	ND	270	ug/kg	---
Bromobenzene	108-86-1	ND	290	ug/kg	---	ND	270	ug/kg	---
Bromochloromethane	74-97-5	ND	290	ug/kg	---	ND	270	ug/kg	---
Bromodichloromethane	75-27-4	ND	290	ug/kg	---	ND	270	ug/kg	---
Bromoform	75-25-2	ND	290	ug/kg	---	ND	270	ug/kg	---
Bromomethane	74-83-9	ND	290	ug/kg	---	ND	270	ug/kg	---
Carbon disulfide	75-15-0	59	290	ug/kg	J	57	270	ug/kg	J
Carbon tetrachloride	56-23-5	ND	290	ug/kg	---	ND	270	ug/kg	---
Chlorobenzene	108-90-7	ND	290	ug/kg	---	ND	270	ug/kg	---
Chlorodibromomethane	124-48-1	ND	290	ug/kg	---	ND	270	ug/kg	---
Chloroethane	75-00-3	ND	290	ug/kg	---	ND	270	ug/kg	---
Chloroform	67-66-3	ND	290	ug/kg	---	ND	270	ug/kg	---
Chloromethane	74-87-3	ND	290	ug/kg	---	ND	270	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	290	ug/kg	---	ND	270	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	290	ug/kg	---	ND	270	ug/kg	---
Cyclohexane	110-82-7	ND	580	ug/kg	---	ND	540	ug/kg	---
Dibromomethane	74-95-3	ND	290	ug/kg	---	ND	270	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	290	ug/kg	---	ND	270	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	580	ug/kg	---	ND	540	ug/kg	---
Ethyl ether	60-29-7	ND	580	ug/kg	---	ND	540	ug/kg	---
Ethylbenzene	100-41-4	17	290	ug/kg	J	16	270	ug/kg	J
Hexachlorobutadiene	87-68-3	ND	290	ug/kg	---	ND	270	ug/kg	---
Isopropylbenzene	98-82-8	ND	290	ug/kg	---	28	270	ug/kg	J
m-Xylene & p-Xylene	179601-23-1	68	580	ug/kg	J	36	540	ug/kg	J
Methyl acetate	79-20-9	190	580	ug/kg	J	200	540	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	50	580	ug/kg	J	ND	540	ug/kg	---
Methylene Chloride	75-09-2	ND	290	ug/kg	---	ND	270	ug/kg	---
n-Butylbenzene	104-51-8	ND	290	ug/kg	---	66	270	ug/kg	J
N-Propylbenzene	103-65-1	30	290	ug/kg	J	44	270	ug/kg	J
Naphthalene	91-20-3	50	290	ug/kg	UB	18	270	ug/kg	UB
o-Xylene	95-47-6	20	290	ug/kg	J	ND	270	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	290	ug/kg	---	ND	270	ug/kg	---
sec-Butylbenzene	135-98-8	33	290	ug/kg	J	39	270	ug/kg	J
Styrene	100-42-5	ND	290	ug/kg	---	ND	270	ug/kg	---
tert-Butylbenzene	98-06-6	ND	290	ug/kg	---	ND	270	ug/kg	---
Tetrachloroethene	127-18-4	ND	290	ug/kg	---	ND	270	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	29	290	ug/kg	UB	ND	270	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	290	ug/kg	---	ND	270	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	290	ug/kg	---	ND	270	ug/kg	---
Trichloroethene	79-01-6	ND	290	ug/kg	---	ND	270	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	290	ug/kg	---	ND	270	ug/kg	---
Vinyl chloride	75-01-4	ND	290	ug/kg	---	ND	270	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-160_5-7(20110902)				ASB-161_1-3(20110902)			
		Lab Sample ID:	2401514815				2401514816			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	320	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	2900	320	ug/kg	---	ND	270	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	630	ug/kg	---	ND	540	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	320	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	320	ug/kg	---	ND	270	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	400	320	ug/kg	---	ND	270	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	320	ug/kg	---	ND	270	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	320	ug/kg	---	ND	270	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	320	ug/kg	---	ND	270	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	320	ug/kg	---	ND	270	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1300	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8	ND	320	ug/kg	---	ND	270	ug/kg	---
2-Hexanone	591-78-6	ND	1300	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	320	ug/kg	---	ND	270	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1300	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	1300	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	630	ug/kg	---	ND	540	ug/kg	---
Benzene	71-43-2	ND	320	ug/kg	---	ND	270	ug/kg	---
Bromobenzene	108-86-1	ND	320	ug/kg	---	ND	270	ug/kg	---
Bromochloromethane	74-97-5	ND	320	ug/kg	---	ND	270	ug/kg	---
Bromodichloromethane	75-27-4	ND	320	ug/kg	---	ND	270	ug/kg	---
Bromoform	75-25-2	ND	320	ug/kg	---	ND	270	ug/kg	---
Bromomethane	74-83-9	ND	320	ug/kg	---	ND	270	ug/kg	---
Carbon disulfide	75-15-0	80	320	ug/kg	J	ND	270	ug/kg	---
Carbon tetrachloride	56-23-5	ND	320	ug/kg	---	ND	270	ug/kg	---
Chlorobenzene	108-90-7	ND	320	ug/kg	---	ND	270	ug/kg	---
Chlorodibromomethane	124-48-1	ND	320	ug/kg	---	ND	270	ug/kg	---
Chloroethane	75-00-3	ND	320	ug/kg	---	ND	270	ug/kg	---
Chloroform	67-66-3	ND	320	ug/kg	---	ND	270	ug/kg	---
Chloromethane	74-87-3	ND	320	ug/kg	---	ND	270	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	320	ug/kg	---	ND	270	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	320	ug/kg	---	ND	270	ug/kg	---
Cyclohexane	110-82-7	ND	630	ug/kg	---	ND	540	ug/kg	---
Dibromomethane	74-95-3	ND	320	ug/kg	---	ND	270	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	320	ug/kg	---	ND	270	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	630	ug/kg	---	ND	540	ug/kg	---
Ethyl ether	60-29-7	ND	630	ug/kg	---	ND	540	ug/kg	---
Ethylbenzene	100-41-4	310	320	ug/kg	J	ND	270	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	320	ug/kg	---	ND	270	ug/kg	---
Isopropylbenzene	98-82-8	180	320	ug/kg	J	ND	270	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	700	630	ug/kg	---	7.9	540	ug/kg	UB
Methyl acetate	79-20-9	470	630	ug/kg	J	60	540	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1300	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	ND	630	ug/kg	---	ND	540	ug/kg	---
Methylene Chloride	75-09-2	ND	320	ug/kg	---	ND	270	ug/kg	---
n-Butylbenzene	104-51-8	660	320	ug/kg	---	ND	270	ug/kg	---
N-Propylbenzene	103-65-1	390	320	ug/kg	---	ND	270	ug/kg	---
Naphthalene	91-20-3	630	320	ug/kg	---	16	270	ug/kg	UB
o-Xylene	95-47-6	38	320	ug/kg	J	ND	270	ug/kg	---
p-Isopropyltoluene	99-87-6	110	320	ug/kg	J	ND	270	ug/kg	---
sec-Butylbenzene	135-98-8	210	320	ug/kg	J	ND	270	ug/kg	---
Styrene	100-42-5	ND	320	ug/kg	---	ND	270	ug/kg	---
tert-Butylbenzene	98-06-6	ND	320	ug/kg	---	ND	270	ug/kg	---
Tetrachloroethene	127-18-4	ND	320	ug/kg	---	ND	270	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1300	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	320	ug/kg	---	ND	270	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	320	ug/kg	---	ND	270	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	320	ug/kg	---	ND	270	ug/kg	---
Trichloroethene	79-01-6	ND	320	ug/kg	---	ND	270	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	320	ug/kg	---	ND	270	ug/kg	---
Vinyl chloride	75-01-4	ND	320	ug/kg	---	ND	270	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-159_5-7(20110902)				ASB-158_4-6(20110901)			
		Lab Sample ID:	240151489				240153035			
		Sample Date:	9/2/2011				9/1/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1000	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	1000	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	1000	ug/kg	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1000	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	1000	ug/kg	---				
1,1-Dichloroethane	75-34-3	ND	1000	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	1000	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	1000	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	1000	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	1000	ug/kg	---				
1,2,4-Trichlorobenzene	120-82-1	ND	1000	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	28000	1000	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2100	ug/kg	---				
1,2-Dibromoethane	106-93-4	ND	1000	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	1000	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	1000	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	1000	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	5000	1000	ug/kg	---				
1,3-Dichlorobenzene	541-73-1	ND	1000	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	1000	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	1000	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	1000	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	4100	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	1000	ug/kg	---				
2-Hexanone	591-78-6	ND	4100	ug/kg	---				
4-Chlorotoluene	106-43-4	ND	1000	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	4100	ug/kg	---				
Acetone	67-64-1	ND	4100	ug/kg	---				
Allyl chloride	107-05-1	ND	2100	ug/kg	---				
Benzene	71-43-2	ND	1000	ug/kg	---				
Bromobenzene	108-86-1	ND	1000	ug/kg	---				
Bromochloromethane	74-97-5	ND	1000	ug/kg	---				
Bromodichloromethane	75-27-4	ND	1000	ug/kg	---				
Bromoform	75-25-2	ND	1000	ug/kg	---				
Bromomethane	74-83-9	ND	1000	ug/kg	---				
Carbon disulfide	75-15-0	190	1000	ug/kg	J				
Carbon tetrachloride	56-23-5	ND	1000	ug/kg	---				
Chlorobenzene	108-90-7	ND	1000	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	1000	ug/kg	---				
Chloroethane	75-00-3	ND	1000	ug/kg	---				
Chloroform	67-66-3	ND	1000	ug/kg	---				
Chloromethane	74-87-3	ND	1000	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	1000	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	1000	ug/kg	---				
Cyclohexane	110-82-7	2800	2100	ug/kg	---				
Dibromomethane	74-95-3	ND	1000	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	1000	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	2100	ug/kg	---				
Ethyl ether	60-29-7	ND	2100	ug/kg	---				
Ethylbenzene	100-41-4	1500	1000	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	1000	ug/kg	---				
Isopropylbenzene	98-82-8	860	1000	ug/kg	J				
m-Xylene & p-Xylene	179601-23-1	4800	2100	ug/kg	---				
Methyl acetate	79-20-9	210	2100	ug/kg	J				
Methyl tert butyl ether	1634-04-4	ND	4100	ug/kg	---				
Methylcyclohexane	108-87-2	6100	2100	ug/kg	---				
Methylene Chloride	75-09-2	ND	1000	ug/kg	---				
n-Butylbenzene	104-51-8	4500	1000	ug/kg	---				
N-Propylbenzene	103-65-1	3500	1000	ug/kg	---				
Naphthalene	91-20-3	5200	1000	ug/kg	---				
o-Xylene	95-47-6	ND	1000	ug/kg	---				
p-Isopropyltoluene	99-87-6	810	1000	ug/kg	J				
sec-Butylbenzene	135-98-8	910	1000	ug/kg	J				
Styrene	100-42-5	ND	1000	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	1000	ug/kg	---				
Tetrachloroethene	127-18-4	ND	1000	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	4100	ug/kg	---				
Toluene	108-88-3	ND	1000	ug/kg	---				
trans-1,2-Dichloroethene	156-60-5	ND	1000	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	1000	ug/kg	---				
Trichloroethene	79-01-6	ND	1000	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	1000	ug/kg	---				
Vinyl chloride	75-01-4	ND	1000	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-159_5-7(20110902)				ASB-158_4-6(20110901)			
		Lab Sample ID:	240151489				240153035			
		Sample Date:	9/2/2011				9/1/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					6.7	360	ug/kg	J
	Acenaphthene	83-32-9					ND	360	ug/kg	---
	Acenaphthylene	208-96-8					ND	360	ug/kg	---
	Anthracene	120-12-7					ND	360	ug/kg	---
	Benzo[a]anthracene	56-55-3					ND	360	ug/kg	---
	Benzo[a]pyrene	50-32-8					ND	360	ug/kg	---
	Benzo[b]fluoranthene	205-99-2					ND	360	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2					ND	360	ug/kg	---
	Benzo[k]fluoranthene	207-08-9					ND	360	ug/kg	---
	Chrysene	218-01-9					ND	360	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3					ND	360	ug/kg	---
	Fluoranthene	206-44-0					ND	360	ug/kg	---
	Fluorene	86-73-7					ND	360	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5					ND	360	ug/kg	---
	Naphthalene	91-20-3					ND	360	ug/kg	---
	Phenanthrene	85-01-8					ND	360	ug/kg	---
	Pyrene	129-00-0					ND	360	ug/kg	---
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-158_02(20110901)				ASB-158_02(20110901)			
		Lab Sample ID:	240153036				2401532119			
		Sample Date:	9/1/2011				9/1/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	48	380	ug/kg	J				
	Acenaphthene	83-32-9	23	380	ug/kg	J				
	Acenaphthylene	208-96-8	12	380	ug/kg	J				
	Anthracene	120-12-7	66	380	ug/kg	J				
	Benzo[a]anthracene	56-55-3	260	380	ug/kg	J				
	Benzo[a]pyrene	50-32-8	260	380	ug/kg	J				
	Benzo[b]fluoranthene	205-99-2	410	380	ug/kg	---				
	Benzo[g,h,i]perylene	191-24-2	200	380	ug/kg	J				
	Benzo[k]fluoranthene	207-08-9	140	380	ug/kg	J				
	Chrysene	218-01-9	280	380	ug/kg	J				
	Dibenz(a,h)anthracene	53-70-3	54	380	ug/kg	J				
	Fluoranthene	206-44-0	460	380	ug/kg	---				
	Fluorene	86-73-7	21	380	ug/kg	J				
	Indeno[1,2,3-cd]pyrene	193-39-5	160	380	ug/kg	J				
	Naphthalene	91-20-3	36	380	ug/kg	J				
	Phenanthrene	85-01-8	240	380	ug/kg	J				
	Pyrene	129-00-0	380	380	ug/kg	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					49	20	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-159_2-4(20110902)				ASB-159_5-7(20110902)			
		Lab Sample ID:	2401532120				2401532121			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	100	49	mg/kg	---	290	48	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-160_5-7(20110902)				ASB-160_2-4(20110902)			
		Lab Sample ID:	2401532123				2401542731			
		Sample Date:	9/2/2011				9/2/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					8.3	370	ug/kg	J
	Acenaphthene	83-32-9					12	370	ug/kg	J
	Acenaphthylene	208-96-8					ND	370	ug/kg	---
	Anthracene	120-12-7					21	370	ug/kg	J
	Benzo[a]anthracene	56-55-3					91	370	ug/kg	J
	Benzo[a]pyrene	50-32-8					95	370	ug/kg	J
	Benzo[b]fluoranthene	205-99-2					140	370	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2					98	370	ug/kg	J
	Benzo[k]fluoranthene	207-08-9					96	370	ug/kg	J
	Chrysene	218-01-9					100	370	ug/kg	J
	Dibenz(a,h)anthracene	53-70-3					ND	370	ug/kg	---
	Fluoranthene	206-44-0					230	370	ug/kg	J
	Fluorene	86-73-7					9.8	370	ug/kg	J
	Indeno[1,2,3-cd]pyrene	193-39-5					78	370	ug/kg	J
	Naphthalene	91-20-3					6.2	370	ug/kg	J
	Phenanthrene	85-01-8					120	370	ug/kg	J
	Pyrene	129-00-0					170	370	ug/kg	J
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	150	20	mg/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-160_5-7(20110902)				ASB-161_1-3(20110902)			
		Lab Sample ID:	2401542732				2401542733			
		Sample Date:	9/2/2011				9/2/2011			
				Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC										
OSW-8270C										
2-Methylnaphthalene	91-57-6	410	960	ug/kg	J	12	880	ug/kg	J
Acenaphthene	83-32-9	ND	960	ug/kg	---	ND	880	ug/kg	---
Acenaphthylene	208-96-8	ND	960	ug/kg	---	ND	880	ug/kg	---
Anthracene	120-12-7	ND	960	ug/kg	---	20	880	ug/kg	J
Benzo[a]anthracene	56-55-3	ND	960	ug/kg	---	100	880	ug/kg	J
Benzo[a]pyrene	50-32-8	ND	960	ug/kg	---	110	880	ug/kg	J
Benzo[b]fluoranthene	205-99-2	ND	960	ug/kg	---	150	880	ug/kg	J
Benzo[g,h,i]perylene	191-24-2	ND	960	ug/kg	---	70	880	ug/kg	J
Benzo[k]fluoranthene	207-08-9	ND	960	ug/kg	---	76	880	ug/kg	J
Chrysene	218-01-9	ND	960	ug/kg	---	110	880	ug/kg	J
Dibenz(a,h)anthracene	53-70-3	ND	960	ug/kg	---	ND	880	ug/kg	---
Fluoranthene	206-44-0	39	960	ug/kg	J	160	880	ug/kg	J
Fluorene	86-73-7	ND	960	ug/kg	---	ND	880	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	960	ug/kg	---	66	880	ug/kg	J
Naphthalene	91-20-3	290	960	ug/kg	J	ND	880	ug/kg	---
Phenanthrene	85-01-8	ND	960	ug/kg	---	50	880	ug/kg	J
Pyrene	129-00-0	37	960	ug/kg	J	140	880	ug/kg	J
GC VOC										
PUBL-SW-140										
WI Gasoline Range Organics (C6-C10)	E-1005									
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004									

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-159_2-4(20110902)				ASB-159_5-7(20110902)			
		Lab Sample ID:	2401542734				2401542735			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6	230	1900	ug/kg	J	1500	1900	ug/kg	J
Acenaphthene	83-32-9	ND	1900	ug/kg	---	ND	1900	ug/kg	---
Acenaphthylene	208-96-8	ND	1900	ug/kg	---	ND	1900	ug/kg	---
Anthracene	120-12-7	38	1900	ug/kg	J	28	1900	ug/kg	J
Benzo[a]anthracene	56-55-3	190	1900	ug/kg	J	54	1900	ug/kg	J
Benzo[a]pyrene	50-32-8	230	1900	ug/kg	J	45	1900	ug/kg	J
Benzo[b]fluoranthene	205-99-2	270	1900	ug/kg	J	74	1900	ug/kg	J
Benzo[g,h,i]perylene	191-24-2	140	1900	ug/kg	J	ND	1900	ug/kg	---
Benzo[k]fluoranthene	207-08-9	120	1900	ug/kg	J	36	1900	ug/kg	J
Chrysene	218-01-9	200	1900	ug/kg	J	69	1900	ug/kg	J
Dibenz(a,h)anthracene	53-70-3	ND	1900	ug/kg	---	ND	1900	ug/kg	---
Fluoranthene	206-44-0	300	1900	ug/kg	J	170	1900	ug/kg	J
Fluorene	86-73-7	29	1900	ug/kg	J	25	1900	ug/kg	J
Indeno[1,2,3-cd]pyrene	193-39-5	140	1900	ug/kg	J	ND	1900	ug/kg	---
Naphthalene	91-20-3	250	1900	ug/kg	J	460	1900	ug/kg	J
Phenanthrene	85-01-8	130	1900	ug/kg	J	80	1900	ug/kg	J
Pyrene	129-00-0	270	1900	ug/kg	J	140	1900	ug/kg	J
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-160_2-4(20110902)				ASB-161_1-3(20110902)			
		Lab Sample ID:	2401603422				2401603423			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	18	9.4	mg/kg	---	8.7	8.6	mg/kg	B

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-161_1-3(20110902)				ASB-159_2-4(20110902)			
		Lab Sample ID:	2401633438				2401654814			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	1.6	9.9	mg/kg	J	53	11	mg/kg	J
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

		Sample Name:	ASB-159_5-7(20110902)				ASB-160_2-4(20110902)			
		Lab Sample ID:	2401654815				2401654816			
		Sample Date:	9/2/2011				9/2/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005	790	230	mg/kg	J	8.6	12	mg/kg	J
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3519-1

Sample Name: ASB-160_5-7(20110902)
Lab Sample ID: 2401654819
Sample Date: 9/2/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
2-Methylnaphthalene	91-57-6				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Anthracene	120-12-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Chrysene	218-01-9				
Dibenz(a,h)anthracene	53-70-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Indeno[1,2,3-cd]pyrene	193-39-5				
Naphthalene	91-20-3				
Phenanthrene	85-01-8				
Pyrene	129-00-0				
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005	160	53	mg/kg	J
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				

October 04, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3596-1
Sample date: 2011-09-06 2011-09-07
Report received by Enovis: 2011-09-30
Initial Data Verification completed by Enovis: 2011-10-04

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

11 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results for Soil samples have been reported on a dry weight basis.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GCMC SVOC MS/MSD recoveries performed on client sample -007 were diluted to below reliably quantifiable levels and were not used to qualify client sample results.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

GRO MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high. The sample is already qualified as estimated due to being present below the RL so no further qualification is required.

PCB surrogate recoveries were outside of laboratory control limits biased high for 1 out of 2 surrogates in client sample -008. Qualification of client sample results was not required based on this QC outlier alone.

GCMS VOC QC batch 14890 and PCB batch did not have sufficient sample available to create MS/MSD spikes.

DRO MS recoveries performed on client sample -005 were not considered to be reliable and were not used to qualify results due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule).

DRO CCV response was outside of method control limits biased high for the sample -002 sequence. Qualification of client sample results was not required as all associated results were less than the RL.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Solids duplicate RPD outlier for client sample -001 did not require qualification as the associated percent solids RPD was acceptable.

Reporting limits were elevated due to dilutions required to overcome sample matrix interferences or quantitate target analytes for client sample -003 GCMS VOC results, sample -001, -003, -007, -008 and -010 GCMS SVOC results, sample -001, -003 and -005 DRO results and sample -011 Metals results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia, Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3596-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401498822	MB-010(20110907)	9/6/2011	12:00:00	X						
2401514810	ASB-167_8-10(20110906)	9/6/2011	6:50:00	X						
2401514817	ASB-167_0-2(20110906)	9/6/2011	6:15:00	X						
2401514818	ASB-167_6-8(20110906)	9/6/2011	6:40:00	X						
2401514819	ASB-168_0-2(20110907)	9/7/2011	8:30:00	X						
2401514820	ASB-168_4-6(20110907)	9/7/2011	8:45:00	X						
2401514821	ASB-169_3-5(20110907)	9/7/2011	10:05:00	X						
2401514822	ASB-170_0-2(20110907)	9/7/2011	11:15:00	X						
2401514823	ASB-170_4-6(20110907)	9/7/2011	11:25:00	X						
2401514824	ASB-171_1-3(20110907)	9/7/2011	12:45:00	X						
2401514825	ASB-172_1-3(20110907)	9/7/2011	2:05:00	X						
2401514826	ASB-173_1-3(20110907)	9/7/2011	3:25:00	X						
2401518926	ASB-167_6-8(20110906)	9/6/2011	6:40:00					X		
2401532214	ASB-167_0-2(20110906)	9/6/2011	6:15:00							X
2401532217	ASB-167_6-8(20110906)	9/6/2011	6:40:00							X
2401532218	ASB-169_3-5(20110907)	9/7/2011	10:05:00							X
2401532219	ASB-170_0-2(20110907)	9/7/2011	11:15:00							X
2401532220	ASB-170_4-6(20110907)	9/7/2011	11:25:00							X
2401532221	ASB-171_1-3(20110907)	9/7/2011	12:45:00							X
2401532224	ASB-172_1-3(20110907)	9/7/2011	2:05:00							X
2401532225	ASB-173_1-3(20110907)	9/7/2011	3:25:00							X
2401534711	ASB-168_0-2(20110907)	9/7/2011	8:30:00					X		
2401534713	ASB-169_3-5(20110907)	9/7/2011	10:05:00					X		
2401534714	ASB-170_4-6(20110907)	9/7/2011	11:25:00					X		
2401534715	ASB-171_1-3(20110907)	9/7/2011	12:45:00					X		
2401534716	ASB-172_1-3(20110907)	9/7/2011	2:05:00					X		
2401534717	ASB-173_1-3(20110907)	9/7/2011	3:25:00					X		
240153476	ASB-167_0-2(20110906)	9/6/2011	6:15:00					X		
240153477	ASB-167_8-10(20110906)	9/6/2011	6:50:00					X		
24015453151	ASB-172_1-3(20110907)	9/7/2011	2:05:00						X	
2401545345	ASB-167_0-2(20110906)	9/6/2011	6:15:00						X	
2401545351	ASB-167_6-8(20110906)	9/6/2011	6:40:00						X	
2401545352	ASB-169_3-5(20110907)	9/7/2011	10:05:00						X	
2401545353	ASB-170_0-2(20110907)	9/7/2011	11:15:00						X	
2401545354	ASB-170_4-6(20110907)	9/7/2011	11:25:00						X	
2401545355	ASB-171_1-3(20110907)	9/7/2011	12:45:00						X	
2401545356	ASB-172_1-3(20110907)	9/7/2011	2:05:00						X	
2401545357	ASB-173_1-3(20110907)	9/7/2011	3:25:00						X	
2401570035	ASB-167_8-10(20110906)	9/6/2011	6:50:00							X
2401578621	ASB-167_6-8(20110906)	9/6/2011	6:40:00						X	
2401578678	ASB-167_8-10(20110906)	9/6/2011	6:50:00						X	
2401579528	ASB-170_4-6(20110907)	9/7/2011	11:25:00		X					
2401579531	ASB-170_0-2(20110907)	9/7/2011	11:15:00		X					
2401586536	ASB-168_4-6(20110907)	9/7/2011	8:45:00					X		
2401595812	ASB-167_8-10(20110906)	9/6/2011	6:50:00						X	
2401596239	ASB-171_1-3(20110907)	9/7/2011	12:45:00		X					
2401596240	ASB-167_8-10(20110906)	9/6/2011	6:50:00		X					
2401611524	ASB-167_6-8(20110906)	9/6/2011	6:40:00		X					
2401611531	ASB-169_3-5(20110907)	9/7/2011	10:05:00		X					
2401617535	ASB-167_0-2(20110906)	9/6/2011	6:15:00			X				
2401617536	ASB-167_6-8(20110906)	9/6/2011	6:40:00			X				
2401617537	ASB-167_8-10(20110906)	9/6/2011	6:50:00			X				
2401617538	ASB-170_0-2(20110907)	9/7/2011	11:15:00			X				
2401617539	ASB-170_4-6(20110907)	9/7/2011	11:25:00			X				
2401617540	ASB-171_1-3(20110907)	9/7/2011	12:45:00			X				
2401667716	ASB-167_0-2(20110906)	9/6/2011	6:15:00				X			
2401667719	ASB-167_6-8(20110906)	9/6/2011	6:40:00				X			
2401667722	ASB-168_4-6(20110907)	9/7/2011	8:45:00				X			
2401667723	ASB-170_4-6(20110907)	9/7/2011	11:25:00				X			
2401667724	ASB-171_1-3(20110907)	9/7/2011	12:45:00				X			
2401667725	ASB-172_1-3(20110907)	9/7/2011	2:05:00				X			
2401667726	ASB-173_1-3(20110907)	9/7/2011	3:25:00				X			
2401686729	ASB-167_0-2(20110906)	9/6/2011	6:15:00		X					
2401701611	ASB-167_8-10(20110906)	9/6/2011	6:50:00				X			
240170168	ASB-168_0-2(20110907)	9/7/2011	8:30:00				X			

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-167_8-10(20110906)				ASB-167_0-2(20110906)			
		Lab Sample ID:	2401514810				2401514817			
		Sample Date:	9/6/2011				9/6/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
Isopropylbenzene	98-82-8	8500	3300	ug/kg	J				
Methyl acetate	79-20-9					120	510	ug/kg	UB
Methylcyclohexane	108-87-2	54000	6500	ug/kg	J				
n-Butylbenzene	104-51-8	7400	3300	ug/kg	J				
N-Propylbenzene	103-65-1	14000	3300	ug/kg	J				
Naphthalene	91-20-3								
sec-Butylbenzene	135-98-8	7600	3300	ug/kg	J				
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Methylnaphthalene	91-57-6								
2-Nitroaniline	88-74-4								
3-Nitroaniline	99-09-2								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Acetophenone	98-86-2								
Anthracene	120-12-7								
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9								
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3								
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5								
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3								
Nitrobenzene	98-95-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-167_8-10(20110906)				ASB-167_0-2(20110906)			
		Lab Sample ID:	2401514810				2401514817			
		Sample Date:	9/6/2011				9/6/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
Metals										
	OSW-6010B									
	Antimony	7440-36-0								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-167_6-8(20110906)				ASB-168_0-2(20110907)			
		Lab Sample ID:	2401514818				2401514819			
		Sample Date:	9/6/2011				9/7/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
Isopropylbenzene	98-82-8								
Methyl acetate	79-20-9	94	590	ug/kg	UB	35	400	ug/kg	UB
Methylcyclohexane	108-87-2								
n-Butylbenzene	104-51-8								
N-Propylbenzene	103-65-1								
Naphthalene	91-20-3	13	300	ug/kg	UB	23	200	ug/kg	UB
sec-Butylbenzene	135-98-8								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Methylnaphthalene	91-57-6								
2-Nitroaniline	88-74-4								
3-Nitroaniline	99-09-2								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Acetophenone	98-86-2								
Anthracene	120-12-7								
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9								
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3								
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5								
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3								
Nitrobenzene	98-95-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-167_6-8(20110906)				ASB-168_0-2(20110907)			
		Lab Sample ID:	2401514818				2401514819			
		Sample Date:	9/6/2011				9/7/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
PUBL-SW-140										
	WI Gasoline Range Organics (C6-C10)	E-1005								
Metals										
OSW-6010B										
	Antimony	7440-36-0								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-168_4-6(20110907)				ASB-169_3-5(20110907)			
		Lab Sample ID:	2401514820				2401514821			
		Sample Date:	9/7/2011				9/7/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
Isopropylbenzene	98-82-8								
Methyl acetate	79-20-9	37	460	ug/kg	UB	32	500	ug/kg	UB
Methylcyclohexane	108-87-2								
n-Butylbenzene	104-51-8								
N-Propylbenzene	103-65-1								
Naphthalene	91-20-3	9.9	230	ug/kg	UB	12	250	ug/kg	UB
sec-Butylbenzene	135-98-8								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Methylnaphthalene	91-57-6								
2-Nitroaniline	88-74-4								
3-Nitroaniline	99-09-2								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Acetophenone	98-86-2								
Anthracene	120-12-7								
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9								
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3								
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5								
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3								
Nitrobenzene	98-95-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-168_4-6(20110907)				ASB-169_3-5(20110907)			
		Lab Sample ID:	2401514820				2401514821			
		Sample Date:	9/7/2011				9/7/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
PUBL-SW-140										
	WI Gasoline Range Organics (C6-C10)	E-1005								
Metals										
OSW-6010B										
	Antimony	7440-36-0								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-170_0-2(20110907)				ASB-171_1-3(20110907)			
		Lab Sample ID:	2401514822				2401514824			
		Sample Date:	9/7/2011				9/7/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
Isopropylbenzene	98-82-8								
Methyl acetate	79-20-9	59	500	ug/kg	UB	130	540	ug/kg	UB
Methylcyclohexane	108-87-2								
n-Butylbenzene	104-51-8								
N-Propylbenzene	103-65-1								
Naphthalene	91-20-3								
sec-Butylbenzene	135-98-8								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Methylnaphthalene	91-57-6								
2-Nitroaniline	88-74-4								
3-Nitroaniline	99-09-2								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Acetophenone	98-86-2								
Anthracene	120-12-7								
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9								
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3								
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5								
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3								
Nitrobenzene	98-95-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-170_0-2(20110907)				ASB-171_1-3(20110907)			
		Lab Sample ID:	2401514822				2401514824			
		Sample Date:	9/7/2011				9/7/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
PUBL-SW-140										
WI Gasoline Range Organics (C6-C10)	E-1005									
Metals										
OSW-6010B										
Antimony	7440-36-0									
Cadmium	7440-43-9									
Chromium	7440-47-3									

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-172_1-3(20110907)				ASB-173_1-3(20110907)			
		Lab Sample ID:	2401514825				2401514826			
		Sample Date:	9/7/2011				9/7/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
Isopropylbenzene	98-82-8								
Methyl acetate	79-20-9	120	540	ug/kg	UB	93	550	ug/kg	UB
Methylcyclohexane	108-87-2								
n-Butylbenzene	104-51-8								
N-Propylbenzene	103-65-1								
Naphthalene	91-20-3	39	270	ug/kg	UB	11	270	ug/kg	UB
sec-Butylbenzene	135-98-8								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Methylnaphthalene	91-57-6								
2-Nitroaniline	88-74-4								
3-Nitroaniline	99-09-2								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Acetophenone	98-86-2								
Anthracene	120-12-7								
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9								
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3								
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5								
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3								
Nitrobenzene	98-95-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-172_1-3(20110907)				ASB-173_1-3(20110907)			
		Lab Sample ID:	2401514825				2401514826			
		Sample Date:	9/7/2011				9/7/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
PUBL-SW-140										
	WI Gasoline Range Organics (C6-C10)	E-1005								
Metals										
OSW-6010B										
	Antimony	7440-36-0								
	Cadmium	7440-43-9								
	Chromium	7440-47-3								

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-167_0-2(20110906)				ASB-170_0-2(20110907)			
		Lab Sample ID:	2401545345				2401545353			
		Sample Date:	9/6/2011				9/7/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
Metals										
	OSW-6010B									
	Antimony	7440-36-0					1.4	0.98	mg/kg	B
	Cadmium	7440-43-9	19	0.23	mg/kg	J				
	Chromium	7440-47-3	25	0.57	mg/kg	J				

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-173_1-3(20110907)				ASB-167_8-10(20110906)				
		Lab Sample ID:	2401545357				2401578678				
		Sample Date:	9/7/2011				9/6/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
Metals										
	OSW-6010B									
	Antimony	7440-36-0	1.3	1.1	mg/kg	B	ND	1.4	mg/kg	UJ
	Cadmium	7440-43-9								
	Chromium	7440-47-3								

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

		Sample Name:	ASB-167_8-10(20110906)				ASB-167_8-10(20110906)			
		Lab Sample ID:	2401596240				2401701611			
		Sample Date:	9/6/2011				9/6/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC										
OSW-8260B										
Isopropylbenzene	98-82-8									
Methyl acetate	79-20-9									
Methylcyclohexane	108-87-2									
n-Butylbenzene	104-51-8									
N-Propylbenzene	103-65-1									
Naphthalene	91-20-3									
sec-Butylbenzene	135-98-8									
GC/MS SVOC										
OSW-8270C										
2,4-Dinitrotoluene	121-14-2	ND	1900	ug/kg	UJ					
2,6-Dinitrotoluene	606-20-2	ND	1900	ug/kg	UJ					
2-Chloronaphthalene	91-58-7	ND	1900	ug/kg	UJ					
2-Methylnaphthalene	91-57-6	1400	1900	ug/kg	J					
2-Nitroaniline	88-74-4	ND	9100	ug/kg	UJ					
3-Nitroaniline	99-09-2	ND	9100	ug/kg	UJ					
4-Bromophenyl phenyl ether	101-55-3	ND	1900	ug/kg	UJ					
4-Chloroaniline	106-47-8	ND	1900	ug/kg	UJ					
4-Chlorophenyl phenyl ether	7005-72-3	ND	1900	ug/kg	UJ					
4-Nitroaniline	100-01-6	ND	9100	ug/kg	UJ					
Acenaphthene	83-32-9	59	1900	ug/kg	J					
Acenaphthylene	208-96-8	ND	1900	ug/kg	UJ					
Acetophenone	98-86-2	ND	1900	ug/kg	UJ					
Anthracene	120-12-7	41	1900	ug/kg	J					
Atrazine	1912-24-9	ND	1900	ug/kg	UJ					
Benzaldehyde	100-52-7	ND	1900	ug/kg	UJ					
Benzo[a]anthracene	56-55-3	ND	1900	ug/kg	UJ					
Benzo[a]pyrene	50-32-8	ND	1900	ug/kg	UJ					
Benzo[b]fluoranthene	205-99-2	ND	1900	ug/kg	UJ					
Benzo[g,h,i]perylene	191-24-2	ND	1900	ug/kg	UJ					
Benzo[k]fluoranthene	207-08-9	ND	1900	ug/kg	UJ					
Bis(2-chloroethoxy)methane	111-91-1	ND	1900	ug/kg	UJ					
Bis(2-chloroethyl)ether	111-44-4	ND	1900	ug/kg	UJ					
Bis(2-ethylhexyl) phthalate	117-81-7	ND	1900	ug/kg	UJ					
Butyl benzyl phthalate	85-68-7	ND	1900	ug/kg	UJ					
Caprolactam	105-60-2	ND	1900	ug/kg	UJ					
Carbazole	86-74-8	ND	1900	ug/kg	UJ					
Chrysene	218-01-9	ND	1900	ug/kg	UJ					
Di-n-butyl phthalate	84-74-2	ND	1900	ug/kg	UJ					
Di-n-octyl phthalate	117-84-0	ND	1900	ug/kg	UJ					
Dibenz(a,h)anthracene	53-70-3	ND	1900	ug/kg	UJ					
Dibenzofuran	132-64-9	ND	1900	ug/kg	UJ					
Diethyl phthalate	84-66-2	ND	1900	ug/kg	UJ					
Dimethyl phthalate	131-11-3	ND	1900	ug/kg	UJ					
Fluoranthene	206-44-0	ND	1900	ug/kg	UJ					
Fluorene	86-73-7	80	1900	ug/kg	J					
Hexachlorobenzene	118-74-1	ND	1900	ug/kg	UJ					
Hexachlorobutadiene	87-68-3	ND	1900	ug/kg	UJ					
Hexachlorocyclopentadiene	77-47-4	ND	9100	ug/kg	UJ					
Hexachloroethane	67-72-1	ND	1900	ug/kg	UJ					
Indeno[1,2,3-cd]pyrene	193-39-5	ND	1900	ug/kg	UJ					
Isophorone	78-59-1	ND	1900	ug/kg	UJ					
N-Nitrosodi-n-propylamine	621-64-7	ND	1900	ug/kg	UJ					
N-Nitrosodiphenylamine	86-30-6	ND	1900	ug/kg	UJ					
Naphthalene	91-20-3	550	1900	ug/kg	J					
Nitrobenzene	98-95-3	ND	1900	ug/kg	UJ					
Phenanthrene	85-01-8	150	1900	ug/kg	J					
Pyrene	129-00-0	61	1900	ug/kg	J					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3596-1

			Sample Name:	ASB-167_8-10(20110906)				ASB-167_8-10(20110906)			
			Lab Sample ID:	2401596240				2401701611			
			Sample Date:	9/6/2011				9/6/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC											
	PUBL-SW-140										
	WI Gasoline Range Organics (C6-C10)	E-1005						3000	660	mg/kg	J
Metals											
	OSW-6010B										
	Antimony	7440-36-0									
	Cadmium	7440-43-9									
	Chromium	7440-47-3									

GCMS VOC method blanks for QC batches 14890 and 15010 had detections below the RL for naphthalene. Client samples -002, -005, -006, -007, -011 and -012 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -003. Client samples -003 results for isopropylbenzene, methylcyclohexane, n-butylbenzene, n-propylbenzene and sec-butylbenzene should be considered to be estimated and qualified with J flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the base-neutral fraction surrogates in client sample -003. Sample was analyzed at a 1 to 4 dilution. All base-neutral fraction analytes should be considered to be estimated and qualified with J flags if detected and UJ flags if non-detect. The designation of estimated rather than unusable was assigned due to the dilution near the 5X level that is used as the cutoff for unreliable surrogate recovery data and comparison to historical/associated results for this matrix at this site.

GRO analysis for client sample -003 was performed outside of the recommended holding time for the re-analysis. The re-analysis GRO result for client sample -003 should be considered to be estimated and qualified with a J flag.

Metals method blank had detections below the RL for antimony, barium, lead, manganese and potassium in QC batch 15003 and potassium in QC batch 15517. Client samples -008 and -012 antimony results should be considered to be non-detect at the concentration reported and qualified with B flags.

Metals MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for antimony. Client sample -003 antimony result should be considered to be estimated and qualified with a UJ flag. Potassium and chromium MS recovery outlier only did not require qualification. Recoveries for manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased high for cadmium (RPD also an outlier). Chromium MSD and MS/MSD RPD were also outliers with the recovery biased high. Client sample -001 cadmium and chromium results should be considered to be estimated and qualified with UJ flags. Magnesium and Barium MS recovery outliers only did not require qualification. Recoveries for lead, calcium, antimony, manganese, iron, aluminum were not used to qualify results due to the 4X rule noted earlier.

GCMS VOC trip blank was non-detect for all target analytes except methyl acetate. Client samples -001, -002, -005, -006, -007, -008, -010, -011 and -012 results for methyl acetate should be considered to be non-detect at the RL and qualified with UB flags.

October 04, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3605-1
Sample date: 2011-09-06 2011-09-07
Report received by Enovis: 2011-09-30
Initial Data Verification completed by Enovis: 2011-10-04

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

5 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Soil trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -001 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC QC batch 14890 and GRO batch did not have sufficient sample available to create MS/MSD spikes.

GCMS VOC GCMS SVOC and DRO MS/MSD recovery outliers were not performed on samples from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

DRO sample -005 was not analyzed. See laboratory case narrative for details.

DRO CCV response was outside of method control limits biased high for the sample -001 sequence. Qualification of client sample results was not required as all associated results were less than the RL.

Metals method blank had detections below the RL for barium, calcium, manganese and potassium. Qualification of client sample results was not required based on these method blank detections.

GCMS VOC method blank was non-detect for all target analytes.

Reporting limits were elevated due to dilutions required to overcome sample matrix interferences or quantitate target analytes for client sample -001 GCMS VOC results, sample -004 and -005 GCMS SVOC results, sample -002 and -005 GRO results and sample -004 DRO results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3605-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401498823	MB-009(20110907)	9/7/2011	12:00:00	X						
2401514831	ASB-162_1-3(20110906)	9/6/2011	9:15:00	X						
2401518928	ASB-162_1-3(20110906)	9/6/2011	9:15:00					X		
2401531012	ASB-163_2-4(20110906)	9/6/2011	11:50:00	X						
2401531013	ASB-163_4-6(20110906)	9/6/2011	12:00:00	X						
2401531014	ASB-165_0-2(20110906)	9/6/2011	2:45:00	X						
2401531015	ASB-166_2-4(20110906)	9/6/2011	4:30:00	X						
2401532238	ASB-162_1-3(20110906)	9/6/2011	9:15:00							X
2401532241	ASB-165_0-2(20110906)	9/6/2011	2:45:00							X
2401532242	ASB-166_2-4(20110906)	9/6/2011	4:30:00							X
2401534710	ASB-165_0-2(20110906)	9/6/2011	2:45:00					X		
240153478	ASB-163_2-4(20110906)	9/6/2011	11:50:00					X		
24015613115	ASB-162_1-3(20110906)	9/6/2011	9:15:00						X	
24015613119	ASB-165_0-2(20110906)	9/6/2011	2:45:00						X	
24015613120	ASB-166_2-4(20110906)	9/6/2011	4:30:00						X	
2401586535	ASB-163_4-6(20110906)	9/6/2011	12:00:00					X		
2401617510	ASB-162_1-3(20110906)	9/6/2011	9:15:00			X				
2401617511	ASB-165_0-2(20110906)	9/6/2011	2:45:00			X				
2401617512	ASB-166_2-4(20110906)	9/6/2011	4:30:00			X				
2401633440	ASB-163_4-6(20110906)	9/6/2011	12:00:00				X			
2401633441	ASB-165_0-2(20110906)	9/6/2011	2:45:00				X			
2401642528	ASB-162_1-3(20110906)	9/6/2011	9:15:00		X					
2401642529	ASB-163_2-4(20110906)	9/6/2011	11:50:00		X					
2401642530	ASB-163_4-6(20110906)	9/6/2011	12:00:00		X					
2401642534	ASB-165_0-2(20110906)	9/6/2011	2:45:00		X					
2401642535	ASB-166_2-4(20110906)	9/6/2011	4:30:00		X					
2401654820	ASB-163_2-4(20110906)	9/6/2011	11:50:00				X			
2401654821	ASB-166_2-4(20110906)	9/6/2011	4:30:00				X			

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-162_1-3(20110906)				ASB-165_0-2(20110906)			
		Lab Sample ID:	2401514831				2401531014			
		Sample Date:	9/6/2011				9/6/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
Naphthalene	91-20-3		9.1	290	ug/kg	UB	27	270	ug/kg	UB

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -001 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	MB-009(20110907)				ASB-162_1-3(20110906)			
		Lab Sample ID:	2401498823				2401514831			
		Sample Date:	9/7/2011				9/6/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---	ND	290	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---	ND	580	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---	ND	290	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---	ND	290	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---	ND	290	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---	ND	290	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---	ND	290	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---	ND	290	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---	ND	290	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	1200	ug/kg	---
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---	ND	290	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	1200	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---	ND	290	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	1200	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---	ND	1200	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---	ND	580	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---	ND	290	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---	ND	290	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---	54	290	ug/kg	J
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---	ND	290	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---	ND	290	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---	ND	290	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---	ND	290	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---	ND	290	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---	ND	290	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---	ND	580	ug/kg	---
Dibromomethane	74-95-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---	ND	290	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---	ND	580	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---	ND	580	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---	ND	290	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---	ND	290	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---	ND	290	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---	ND	580	ug/kg	---
Methyl acetate	79-20-9	ND	500	ug/kg	---	100	580	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	1200	ug/kg	---
Methylcyclohexane	108-87-2	ND	500	ug/kg	---	ND	580	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---	ND	290	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---	ND	290	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---	ND	290	ug/kg	---
Naphthalene	91-20-3	ND	250	ug/kg	---	9.1	290	ug/kg	UB
o-Xylene	95-47-6	ND	250	ug/kg	---	ND	290	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---	ND	290	ug/kg	---
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---	ND	290	ug/kg	---
Styrene	100-42-5	ND	250	ug/kg	---	ND	290	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---	ND	290	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---	69	290	ug/kg	J
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	1200	ug/kg	---
Toluene	108-88-3	ND	250	ug/kg	---	ND	290	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	290	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	290	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---	16	290	ug/kg	J
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	290	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	290	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-162_1-3(20110906)				ASB-163_2-4(20110906)			
		Lab Sample ID:	2401518928				2401531012			
		Sample Date:	9/6/2011				9/6/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6					ND	280	ug/kg	---
1,1,1-Trichloroethane	71-55-6					ND	280	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5					ND	280	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	280	ug/kg	---
1,1,2-Trichloroethane	79-00-5					ND	280	ug/kg	---
1,1-Dichloroethane	75-34-3					ND	280	ug/kg	---
1,1-Dichloroethene	75-35-4					ND	280	ug/kg	---
1,1-Dichloropropene	563-58-6					ND	280	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6					ND	280	ug/kg	---
1,2,3-Trichloropropane	96-18-4					ND	280	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1					ND	280	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6					640	280	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8					ND	550	ug/kg	---
1,2-Dibromoethane	106-93-4					ND	280	ug/kg	---
1,2-Dichlorobenzene	95-50-1					ND	280	ug/kg	---
1,2-Dichloroethane	107-06-2					ND	280	ug/kg	---
1,2-Dichloropropane	78-87-5					ND	280	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8					120	280	ug/kg	J
1,3-Dichlorobenzene	541-73-1					ND	280	ug/kg	---
1,3-Dichloropropane	142-28-9					ND	280	ug/kg	---
1,4-Dichlorobenzene	106-46-7					ND	280	ug/kg	---
2,2-Dichloropropane	594-20-7					ND	280	ug/kg	---
2-Butanone (MEK)	78-93-3					ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8					ND	280	ug/kg	---
2-Hexanone	591-78-6					ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4					ND	280	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1					ND	1100	ug/kg	---
Acetone	67-64-1					ND	1100	ug/kg	---
Allyl chloride	107-05-1					ND	550	ug/kg	---
Benzene	71-43-2					ND	280	ug/kg	---
Bromobenzene	108-86-1					ND	280	ug/kg	---
Bromochloromethane	74-97-5					ND	280	ug/kg	---
Bromodichloromethane	75-27-4					ND	280	ug/kg	---
Bromoform	75-25-2					ND	280	ug/kg	---
Bromomethane	74-83-9					ND	280	ug/kg	---
Carbon disulfide	75-15-0					60	280	ug/kg	J
Carbon tetrachloride	56-23-5					ND	280	ug/kg	---
Chlorobenzene	108-90-7					ND	280	ug/kg	---
Chlorodibromomethane	124-48-1					ND	280	ug/kg	---
Chloroethane	75-00-3					ND	280	ug/kg	---
Chloroform	67-66-3					ND	280	ug/kg	---
Chloromethane	74-87-3					ND	280	ug/kg	---
cis-1,2-Dichloroethene	156-59-2					ND	280	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5					ND	280	ug/kg	---
Cyclohexane	110-82-7					ND	550	ug/kg	---
Dibromomethane	74-95-3					ND	280	ug/kg	---
Dichlorodifluoromethane	75-71-8					ND	280	ug/kg	---
Dichlorofluoromethane	75-43-4					ND	550	ug/kg	---
Ethyl ether	60-29-7					ND	550	ug/kg	---
Ethylbenzene	100-41-4					670	280	ug/kg	---
Hexachlorobutadiene	87-68-3					ND	280	ug/kg	---
Isopropylbenzene	98-82-8					190	280	ug/kg	J
m-Xylene & p-Xylene	179601-23-1					88	550	ug/kg	J
Methyl acetate	79-20-9					390	550	ug/kg	J
Methyl tert butyl ether	1634-04-4					ND	1100	ug/kg	---
Methylcyclohexane	108-87-2					130	550	ug/kg	J
Methylene Chloride	75-09-2					ND	280	ug/kg	---
n-Butylbenzene	104-51-8					600	280	ug/kg	---
N-Propylbenzene	103-65-1					470	280	ug/kg	---
Naphthalene	91-20-3					690	280	ug/kg	---
o-Xylene	95-47-6					ND	280	ug/kg	---
p-Isopropyltoluene	99-87-6					110	280	ug/kg	J
sec-Butylbenzene	135-98-8					170	280	ug/kg	J
Styrene	100-42-5					ND	280	ug/kg	---
tert-Butylbenzene	98-06-6					ND	280	ug/kg	---
Tetrachloroethene	127-18-4					ND	280	ug/kg	---
Tetrahydrofuran	109-99-9					ND	1100	ug/kg	---
Toluene	108-88-3					ND	280	ug/kg	---
trans-1,2-Dichloroethene	156-60-5					ND	280	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6					ND	280	ug/kg	---
Trichloroethene	79-01-6					ND	280	ug/kg	---
Trichlorofluoromethane	75-69-4					ND	280	ug/kg	---
Vinyl chloride	75-01-4					ND	280	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-163_4-6(20110906)				ASB-165_0-2(20110906)			
		Lab Sample ID:	2401531013				2401531014			
		Sample Date:	9/6/2011				9/6/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	230	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	220	230	ug/kg	J	7.4	270	ug/kg	J
1,2-Dibromo-3-Chloropropane	96-12-8	ND	470	ug/kg	---	ND	540	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	230	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	230	ug/kg	---	ND	270	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	41	230	ug/kg	J	ND	270	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	230	ug/kg	---	ND	270	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	230	ug/kg	---	ND	270	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	230	ug/kg	---	ND	270	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	230	ug/kg	---	ND	270	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	930	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8	ND	230	ug/kg	---	ND	270	ug/kg	---
2-Hexanone	591-78-6	ND	930	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	230	ug/kg	---	ND	270	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	930	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	930	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	470	ug/kg	---	ND	540	ug/kg	---
Benzene	71-43-2	ND	230	ug/kg	---	ND	270	ug/kg	---
Bromobenzene	108-86-1	ND	230	ug/kg	---	ND	270	ug/kg	---
Bromochloromethane	74-97-5	ND	230	ug/kg	---	ND	270	ug/kg	---
Bromodichloromethane	75-27-4	ND	230	ug/kg	---	ND	270	ug/kg	---
Bromoform	75-25-2	ND	230	ug/kg	---	ND	270	ug/kg	---
Bromomethane	74-83-9	ND	230	ug/kg	---	ND	270	ug/kg	---
Carbon disulfide	75-15-0	43	230	ug/kg	J	ND	270	ug/kg	---
Carbon tetrachloride	56-23-5	ND	230	ug/kg	---	ND	270	ug/kg	---
Chlorobenzene	108-90-7	ND	230	ug/kg	---	ND	270	ug/kg	---
Chlorodibromomethane	124-48-1	ND	230	ug/kg	---	ND	270	ug/kg	---
Chloroethane	75-00-3	ND	230	ug/kg	---	ND	270	ug/kg	---
Chloroform	67-66-3	ND	230	ug/kg	---	ND	270	ug/kg	---
Chloromethane	74-87-3	ND	230	ug/kg	---	ND	270	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	230	ug/kg	---	ND	270	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	230	ug/kg	---	ND	270	ug/kg	---
Cyclohexane	110-82-7	ND	470	ug/kg	---	ND	540	ug/kg	---
Dibromomethane	74-95-3	ND	230	ug/kg	---	ND	270	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	230	ug/kg	---	ND	270	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	470	ug/kg	---	ND	540	ug/kg	---
Ethyl ether	60-29-7	ND	470	ug/kg	---	ND	540	ug/kg	---
Ethylbenzene	100-41-4	86	230	ug/kg	J	ND	270	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	230	ug/kg	---	ND	270	ug/kg	---
Isopropylbenzene	98-82-8	14	230	ug/kg	J	ND	270	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	210	470	ug/kg	J	ND	540	ug/kg	---
Methyl acetate	79-20-9	71	470	ug/kg	J	86	540	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	930	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	15	470	ug/kg	J	ND	540	ug/kg	---
Methylene Chloride	75-09-2	ND	230	ug/kg	---	ND	270	ug/kg	---
n-Butylbenzene	104-51-8	39	230	ug/kg	J	ND	270	ug/kg	---
N-Propylbenzene	103-65-1	40	230	ug/kg	J	ND	270	ug/kg	---
Naphthalene	91-20-3	83	230	ug/kg	J	27	270	ug/kg	UB
o-Xylene	95-47-6	19	230	ug/kg	J	ND	270	ug/kg	---
p-Isopropyltoluene	99-87-6	8.5	230	ug/kg	J	ND	270	ug/kg	---
sec-Butylbenzene	135-98-8	ND	230	ug/kg	---	ND	270	ug/kg	---
Styrene	100-42-5	ND	230	ug/kg	---	ND	270	ug/kg	---
tert-Butylbenzene	98-06-6	ND	230	ug/kg	---	ND	270	ug/kg	---
Tetrachloroethene	127-18-4	ND	230	ug/kg	---	ND	270	ug/kg	---
Tetrahydrofuran	109-99-9	ND	930	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	230	ug/kg	---	ND	270	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	230	ug/kg	---	ND	270	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	230	ug/kg	---	ND	270	ug/kg	---
Trichloroethene	79-01-6	ND	230	ug/kg	---	ND	270	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	230	ug/kg	---	ND	270	ug/kg	---
Vinyl chloride	75-01-4	ND	230	ug/kg	---	ND	270	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-166_2-4(20110906)				ASB-162_1-3(20110906)			
		Lab Sample ID:	2401531015				2401532238			
		Sample Date:	9/6/2011				9/6/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---				
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---				
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	250	250	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---				
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	77	250	ug/kg	J				
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---				
2-Hexanone	591-78-6	ND	1000	ug/kg	---				
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---				
Acetone	67-64-1	ND	1000	ug/kg	---				
Allyl chloride	107-05-1	ND	500	ug/kg	---				
Benzene	71-43-2	ND	250	ug/kg	---				
Bromobenzene	108-86-1	ND	250	ug/kg	---				
Bromochloromethane	74-97-5	ND	250	ug/kg	---				
Bromodichloromethane	75-27-4	ND	250	ug/kg	---				
Bromoform	75-25-2	ND	250	ug/kg	---				
Bromomethane	74-83-9	ND	250	ug/kg	---				
Carbon disulfide	75-15-0	48	250	ug/kg	J				
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---				
Chlorobenzene	108-90-7	ND	250	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---				
Chloroethane	75-00-3	ND	250	ug/kg	---				
Chloroform	67-66-3	ND	250	ug/kg	---				
Chloromethane	74-87-3	ND	250	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---				
Cyclohexane	110-82-7	62	500	ug/kg	J				
Dibromomethane	74-95-3	ND	250	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---				
Ethyl ether	60-29-7	ND	500	ug/kg	---				
Ethylbenzene	100-41-4	11	250	ug/kg	J				
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---				
Isopropylbenzene	98-82-8	57	250	ug/kg	J				
m-Xylene & p-Xylene	179601-23-1	79	500	ug/kg	J				
Methyl acetate	79-20-9	140	500	ug/kg	J				
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---				
Methylcyclohexane	108-87-2	880	500	ug/kg	---				
Methylene Chloride	75-09-2	ND	250	ug/kg	---				
n-Butylbenzene	104-51-8	ND	250	ug/kg	---				
N-Propylbenzene	103-65-1	50	250	ug/kg	J				
Naphthalene	91-20-3	2100	250	ug/kg	---				
o-Xylene	95-47-6	ND	250	ug/kg	---				
p-Isopropyltoluene	99-87-6	79	250	ug/kg	J				
sec-Butylbenzene	135-98-8	110	250	ug/kg	J				
Styrene	100-42-5	ND	250	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---				
Tetrachloroethene	127-18-4	ND	250	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---				
Toluene	108-88-3	ND	250	ug/kg	---				
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---				
Trichloroethene	79-01-6	ND	250	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---				
Vinyl chloride	75-01-4	ND	250	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-166_2-4(20110906)				ASB-162_1-3(20110906)			
		Lab Sample ID:	2401531015				2401532238			
		Sample Date:	9/6/2011				9/6/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6					ND	0.12	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

			Sample Name:	ASB-165_0-2(20110906)				ASB-166_2-4(20110906)			
			Lab Sample ID:	2401532241				2401532242			
			Sample Date:	9/6/2011				9/6/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6	0.074	0.11	mg/kg	J	0.062	0.087	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

			Sample Name:	ASB-162_1-3(20110906)				ASB-165_0-2(20110906)			
			Lab Sample ID:	24015613115				24015613119			
			Sample Date:	9/6/2011				9/6/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5					2700	21	mg/kg	---
	Antimony	7440-36-0					7.8	1.1	mg/kg	---
	Arsenic	7440-38-2	3.3	1.2	mg/kg	---	97	1.1	mg/kg	---
	Barium	7440-39-3	39	23	mg/kg	---	120	21	mg/kg	---
	Beryllium	7440-41-7					ND	0.53	mg/kg	---
	Cadmium	7440-43-9	ND	0.23	mg/kg	---	0.62	0.21	mg/kg	---
	Calcium	7440-70-2					41000	530	mg/kg	---
	Chromium	7440-47-3	20	0.58	mg/kg	---	14	0.53	mg/kg	---
	Cobalt	7440-48-4					3.7	5.3	mg/kg	J
	Copper	7440-50-8					17	2.6	mg/kg	---
	Iron	7439-89-6					14000	11	mg/kg	---
	Lead	7439-92-1	3.1	0.35	mg/kg	---	83	0.32	mg/kg	---
	Magnesium	7439-95-4					5800	530	mg/kg	---
	Manganese	7439-96-5					300	1.6	mg/kg	---
	Nickel	7440-02-0					9.1	4.2	mg/kg	---
	Potassium	7440-09-7					500	530	mg/kg	J
	Selenium	7782-49-2	ND	0.58	mg/kg	---	0.68	0.53	mg/kg	---
	Silver	7440-22-4	ND	0.58	mg/kg	---	0.17	0.53	mg/kg	J
	Sodium	7440-23-5					470	530	mg/kg	J
	Thallium	7440-28-0					ND	1.1	mg/kg	---
	Vanadium	7440-62-2					12	5.3	mg/kg	---
	Zinc	7440-66-6					79	2.1	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

			Sample Name:	ASB-166_2-4(20110906)				ASB-163_4-6(20110906)			
			Lab Sample ID:	24015613120				2401586535			
			Sample Date:	9/6/2011				9/6/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					24	8.9	mg/kg	---
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	2900	19	mg/kg	---				
	Antimony	7440-36-0	410	0.93	mg/kg	---				
	Arsenic	7440-38-2	4.5	0.93	mg/kg	---				
	Barium	7440-39-3	360	19	mg/kg	---				
	Beryllium	7440-41-7	ND	0.46	mg/kg	---				
	Cadmium	7440-43-9	44	0.19	mg/kg	---				
	Calcium	7440-70-2	38000	460	mg/kg	---				
	Chromium	7440-47-3	140	0.46	mg/kg	---				
	Cobalt	7440-48-4	2.1	4.6	mg/kg	J				
	Copper	7440-50-8	20	2.3	mg/kg	---				
	Iron	7439-89-6	6800	9.3	mg/kg	---				
	Lead	7439-92-1	720	0.28	mg/kg	---				
	Magnesium	7439-95-4	3900	460	mg/kg	---				
	Manganese	7439-96-5	190	1.4	mg/kg	---				
	Nickel	7440-02-0	5.7	3.7	mg/kg	---				
	Potassium	7440-09-7	340	460	mg/kg	J				
	Selenium	7782-49-2	14	0.46	mg/kg	---				
	Silver	7440-22-4	ND	0.46	mg/kg	---				
	Sodium	7440-23-5	940	460	mg/kg	---				
	Thallium	7440-28-0	ND	0.93	mg/kg	---				
	Vanadium	7440-62-2	9.6	4.6	mg/kg	---				
	Zinc	7440-66-6	190	1.9	mg/kg	---				
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-162_1-3(20110906)				ASB-165_0-2(20110906)			
		Lab Sample ID:	2401617510				2401617511			
		Sample Date:	9/6/2011				9/6/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
	OSW-8270C									
	1,1'-Biphenyl	92-52-4								
	2,2'-oxybis[1-chloropropane]	108-60-1								
	2,4,5-Trichlorophenol	95-95-4								
	2,4,6-Trichlorophenol	88-06-2								
	2,4-Dichlorophenol	120-83-2								
	2,4-Dimethylphenol	105-67-9								
	2,4-Dinitrophenol	51-28-5								
	2,4-Dinitrotoluene	121-14-2								
	2,6-Dinitrotoluene	606-20-2								
	2-Chloronaphthalene	91-58-7								
	2-Chlorophenol	95-57-8								
	2-Methylnaphthalene	91-57-6								
	2-Methylphenol	95-48-7								
	2-Nitroaniline	88-74-4								
	2-Nitrophenol	88-75-5								
	3 & 4 Methylphenol	65794-96-9								
	3,3'-Dichlorobenzidine	91-94-1								
	3-Nitroaniline	99-09-2								
	4,6-Dinitro-2-methylphenol	534-52-1								
	4-Bromophenyl phenyl ether	101-55-3								
	4-Chloro-3-methylphenol	59-50-7								
	4-Chloroaniline	106-47-8								
	4-Chlorophenyl phenyl ether	7005-72-3								
	4-Nitroaniline	100-01-6								
	4-Nitrophenol	100-02-7								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Acetophenone	98-86-2								
	Anthracene	120-12-7								
	Atrazine	1912-24-9								
	Benzaldehyde	100-52-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Bis(2-chloroethoxy)methane	111-91-1								
	Bis(2-chloroethyl)ether	111-44-4								
	Bis(2-ethylhexyl) phthalate	117-81-7								
	Butyl benzyl phthalate	85-68-7								
	Caprolactam	105-60-2								
	Carbazole	86-74-8								
	Chrysene	218-01-9								
	Di-n-butyl phthalate	84-74-2								
	Di-n-octyl phthalate	117-84-0								
	Dibenz(a,h)anthracene	53-70-3								
	Dibenzofuran	132-64-9								
	Diethyl phthalate	84-66-2								
	Dimethyl phthalate	131-11-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Hexachlorobenzene	118-74-1								
	Hexachlorobutadiene	87-68-3								
	Hexachlorocyclopentadiene	77-47-4								
	Hexachloroethane	67-72-1								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Isophorone	78-59-1								
	N-Nitrosodi-n-propylamine	621-64-7								
	N-Nitrosodiphenylamine	86-30-6								
	Naphthalene	91-20-3								
	Nitrobenzene	98-95-3								
	Pentachlorophenol	87-86-5								
	Phenanthrene	85-01-8								
	Phenol	108-95-2								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	41	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1221	11104-28-2	ND	41	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1232	11141-16-5	ND	41	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1242	53469-21-9	ND	41	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1248	12672-29-6	ND	41	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1254	11097-69-1	ND	41	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1260	11096-82-5	ND	41	ug/kg	---	ND	40	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-166_2-4(20110906)				ASB-163_4-6(20110906)			
		Lab Sample ID:	2401617512				2401633440			
		Sample Date:	9/6/2011				9/6/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	1,1'-Biphenyl	92-52-4								
	2,2'-oxybis[1-chloropropane]	108-60-1								
	2,4,5-Trichlorophenol	95-95-4								
	2,4,6-Trichlorophenol	88-06-2								
	2,4-Dichlorophenol	120-83-2								
	2,4-Dimethylphenol	105-67-9								
	2,4-Dinitrophenol	51-28-5								
	2,4-Dinitrotoluene	121-14-2								
	2,6-Dinitrotoluene	606-20-2								
	2-Chloronaphthalene	91-58-7								
	2-Chlorophenol	95-57-8								
	2-Methylnaphthalene	91-57-6								
	2-Methylphenol	95-48-7								
	2-Nitroaniline	88-74-4								
	2-Nitrophenol	88-75-5								
	3 & 4 Methylphenol	65794-96-9								
	3,3'-Dichlorobenzidine	91-94-1								
	3-Nitroaniline	99-09-2								
	4,6-Dinitro-2-methylphenol	534-52-1								
	4-Bromophenyl phenyl ether	101-55-3								
	4-Chloro-3-methylphenol	59-50-7								
	4-Chloroaniline	106-47-8								
	4-Chlorophenyl phenyl ether	7005-72-3								
	4-Nitroaniline	100-01-6								
	4-Nitrophenol	100-02-7								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Acetophenone	98-86-2								
	Anthracene	120-12-7								
	Atrazine	1912-24-9								
	Benzaldehyde	100-52-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Bis(2-chloroethoxy)methane	111-91-1								
	Bis(2-chloroethyl)ether	111-44-4								
	Bis(2-ethylhexyl) phthalate	117-81-7								
	Butyl benzyl phthalate	85-68-7								
	Caprolactam	105-60-2								
	Carbazole	86-74-8								
	Chrysene	218-01-9								
	Di-n-butyl phthalate	84-74-2								
	Di-n-octyl phthalate	117-84-0								
	Dibenz(a,h)anthracene	53-70-3								
	Dibenzofuran	132-64-9								
	Diethyl phthalate	84-66-2								
	Dimethyl phthalate	131-11-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Hexachlorobenzene	118-74-1								
	Hexachlorobutadiene	87-68-3								
	Hexachlorocyclopentadiene	77-47-4								
	Hexachloroethane	67-72-1								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Isophorone	78-59-1								
	N-Nitrosodi-n-propylamine	621-64-7								
	N-Nitrosodiphenylamine	86-30-6								
	Naphthalene	91-20-3								
	Nitrobenzene	98-95-3								
	Pentachlorophenol	87-86-5								
	Phenanthrene	85-01-8								
	Phenol	108-95-2								
	Pyrene	129-00-0								
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	36	ug/kg	---				
	Aroclor-1221	11104-28-2	ND	36	ug/kg	---				
	Aroclor-1232	11141-16-5	ND	36	ug/kg	---				
	Aroclor-1242	53469-21-9	ND	36	ug/kg	---				
	Aroclor-1248	12672-29-6	ND	36	ug/kg	---				
	Aroclor-1254	11097-69-1	ND	36	ug/kg	---				
	Aroclor-1260	11096-82-5	ND	36	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-165_0-2(20110906)				ASB-162_1-3(20110906)			
		Lab Sample ID:	2401633441				2401642528			
		Sample Date:	9/6/2011				9/6/2011			
				Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4								
2,2'-oxybis[1-chloropropane]	108-60-1								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								
2,4-Dichlorophenol	120-83-2								
2,4-Dimethylphenol	105-67-9								
2,4-Dinitrophenol	51-28-5								
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Chlorophenol	95-57-8								
2-Methylnaphthalene	91-57-6					ND	410	ug/kg	---
2-Methylphenol	95-48-7								
2-Nitroaniline	88-74-4								
2-Nitrophenol	88-75-5								
3 & 4 Methylphenol	65794-96-9								
3,3'-Dichlorobenzidine	91-94-1								
3-Nitroaniline	99-09-2								
4,6-Dinitro-2-methylphenol	534-52-1								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloro-3-methylphenol	59-50-7								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
4-Nitrophenol	100-02-7								
Acenaphthene	83-32-9					ND	410	ug/kg	---
Acenaphthylene	208-96-8					ND	410	ug/kg	---
Acetophenone	98-86-2								
Anthracene	120-12-7					ND	410	ug/kg	---
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3					ND	410	ug/kg	---
Benzo[a]pyrene	50-32-8					ND	410	ug/kg	---
Benzo[b]fluoranthene	205-99-2					ND	410	ug/kg	---
Benzo[g,h,i]perylene	191-24-2					ND	410	ug/kg	---
Benzo[k]fluoranthene	207-08-9					ND	410	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9					ND	410	ug/kg	---
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3					ND	410	ug/kg	---
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0					ND	410	ug/kg	---
Fluorene	86-73-7					ND	410	ug/kg	---
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5					ND	410	ug/kg	---
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3					9.4	410	ug/kg	J
Nitrobenzene	98-95-3								
Pentachlorophenol	87-86-5								
Phenanthrene	85-01-8					ND	410	ug/kg	---
Phenol	108-95-2								
Pyrene	129-00-0					ND	410	ug/kg	---
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

		Sample Name:	ASB-163_2-4(20110906)				ASB-163_4-6(20110906)			
		Lab Sample ID:	2401642529				2401642530			
		Sample Date:	9/6/2011				9/6/2011			
				Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC										
OSW-8270C										
1,1'-Biphenyl	92-52-4								
2,2'-oxybis[1-chloropropane]	108-60-1								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								
2,4-Dichlorophenol	120-83-2								
2,4-Dimethylphenol	105-67-9								
2,4-Dinitrophenol	51-28-5								
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Chlorophenol	95-57-8								
2-Methylnaphthalene	91-57-6	520	420	ug/kg	---	23	350	ug/kg	J
2-Methylphenol	95-48-7								
2-Nitroaniline	88-74-4								
2-Nitrophenol	88-75-5								
3 & 4 Methylphenol	65794-96-9								
3,3'-Dichlorobenzidine	91-94-1								
3-Nitroaniline	99-09-2								
4,6-Dinitro-2-methylphenol	534-52-1								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloro-3-methylphenol	59-50-7								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
4-Nitrophenol	100-02-7								
Acenaphthene	83-32-9	ND	420	ug/kg	---	ND	350	ug/kg	---
Acenaphthylene	208-96-8	ND	420	ug/kg	---	ND	350	ug/kg	---
Acetophenone	98-86-2								
Anthracene	120-12-7	ND	420	ug/kg	---	ND	350	ug/kg	---
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3	ND	420	ug/kg	---	ND	350	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	420	ug/kg	---	ND	350	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	420	ug/kg	---	ND	350	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	420	ug/kg	---	ND	350	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	420	ug/kg	---	ND	350	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9	13	420	ug/kg	J	15	350	ug/kg	J
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3	ND	420	ug/kg	---	ND	350	ug/kg	---
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0	22	420	ug/kg	J	20	350	ug/kg	J
Fluorene	86-73-7	ND	420	ug/kg	---	ND	350	ug/kg	---
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5	ND	420	ug/kg	---	ND	350	ug/kg	---
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3	760	420	ug/kg	---	25	350	ug/kg	J
Nitrobenzene	98-95-3								
Pentachlorophenol	87-86-5								
Phenanthrene	85-01-8	15	420	ug/kg	J	21	350	ug/kg	J
Phenol	108-95-2								
Pyrene	129-00-0	15	420	ug/kg	J	19	350	ug/kg	J
Pest & PCB									
OSW-8082									
Aroclor-1016	12674-11-2								
Aroclor-1221	11104-28-2								
Aroclor-1232	11141-16-5								
Aroclor-1242	53469-21-9								
Aroclor-1248	12672-29-6								
Aroclor-1254	11097-69-1								
Aroclor-1260	11096-82-5								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3605-1

			Sample Name:	ASB-165_0-2(20110906)			ASB-166_2-4(20110906)			
			Lab Sample ID:	2401642534			2401642535			
			Sample Date:	9/6/2011			9/6/2011			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
OSW-8270C										
	1,1'-Biphenyl	92-52-4	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2-Chlorophenol	95-57-8	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2-Methylnaphthalene	91-57-6	96	2000	ug/kg	J	440	1800	ug/kg	J
	2-Methylphenol	95-48-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	2-Nitroaniline	88-74-4	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	2-Nitrophenol	88-75-5	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	2400	ug/kg	---	ND	2200	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	3-Nitroaniline	99-09-2	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	4-Chloroaniline	106-47-8	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	4-Nitroaniline	100-01-6	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	4-Nitrophenol	100-02-7	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	Acenaphthene	83-32-9	210	2000	ug/kg	J	180	1800	ug/kg	J
	Acenaphthylene	208-96-8	160	2000	ug/kg	J	ND	1800	ug/kg	---
	Acetophenone	98-86-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Anthracene	120-12-7	540	2000	ug/kg	J	140	1800	ug/kg	J
	Atrazine	1912-24-9	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Benzaldehyde	100-52-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Benzo[a]anthracene	56-55-3	1400	2000	ug/kg	J	210	1800	ug/kg	J
	Benzo[a]pyrene	50-32-8	1100	2000	ug/kg	J	200	1800	ug/kg	J
	Benzo[b]fluoranthene	205-99-2	1400	2000	ug/kg	J	290	1800	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	720	2000	ug/kg	J	140	1800	ug/kg	J
	Benzo[k]fluoranthene	207-08-9	580	2000	ug/kg	J	150	1800	ug/kg	J
	Bis(2-chloroethoxy)methane	111-91-1	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Butyl benzyl phthalate	85-68-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Caprolactam	105-60-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Carbazole	86-74-8	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Chrysene	218-01-9	1300	2000	ug/kg	J	240	1800	ug/kg	J
	Di-n-butyl phthalate	84-74-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	220	2000	ug/kg	J	ND	1800	ug/kg	---
	Dibenzofuran	132-64-9	120	2000	ug/kg	J	110	1800	ug/kg	J
	Diethyl phthalate	84-66-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Dimethyl phthalate	131-11-3	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Fluoranthene	206-44-0	2700	2000	ug/kg	---	420	1800	ug/kg	J
	Fluorene	86-73-7	280	2000	ug/kg	J	150	1800	ug/kg	J
	Hexachlorobenzene	118-74-1	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4	ND	9600	ug/kg	---	ND	8800	ug/kg	---
	Hexachloroethane	67-72-1	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	600	2000	ug/kg	J	120	1800	ug/kg	J
	Isophorone	78-59-1	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Naphthalene	91-20-3	70	2000	ug/kg	J	340	1800	ug/kg	J
	Nitrobenzene	98-95-3	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Pentachlorophenol	87-86-5	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Phenanthrene	85-01-8	1900	2000	ug/kg	J	610	1800	ug/kg	J
	Phenol	108-95-2	ND	2000	ug/kg	---	ND	1800	ug/kg	---
	Pyrene	129-00-0	2100	2000	ug/kg	---	360	1800	ug/kg	J
Pest & PCB										
OSW-8082										
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								

October 13, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 4162-1
Sample date: 2011-09-06 2011-09-14 2011-09-22
Report received by Enovis: 2011-10-11
Initial Data Verification completed by Enovis: 2011-10-13

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s), 1 trip blank and 1 equipment blank were analyzed for combinations of GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for methylene chloride. Qualification of client sample results was not required based on this method blank detection.

Trip blank was non-detect for all GCMS VOC target analytes.

Equipment blank had detections below the RL for acetone, MEK, toluene and DRO. Qualification of client sample results in this submittal were not required based on these equipment blank detections.

GCMS VOC QC batch MS recovery outliers were not performed on a sample from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

GCMS SVOC prep for sample -002 was received by the lab and performed outside of the EPA recommended holding time. Client sample -002 PNA results should be considered to be estimated and qualified with UJ flags.

GCMS SVOC, DRO and GRO QC batches did not have sufficient client sample available to create MS/MSD spikes.

DRO prep for sample -002 was received by the lab and performed outside of the EPA recommended holding time. Client sample -002 DRO results should be considered to be estimated and qualified with a J flag (also already present below RL).

GRO CCV response for QC batch 16677 was outside of method control limits biased high for the sample sequence. Qualification of client sample results was not required as associated results were less than the RL or non-detect.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

22226 Garrison, Dearborn MI 48124 (313) 871-5800

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 4162-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy(D)
2401667748	EB-01(20110914)	9/14/2011	2:10:00			X		
240170428	EB-01(20110914)	9/14/2011	2:10:00				X	
2401707730	EB-01(20110914)	9/14/2011	2:10:00	X				
2401707731	TB-006(20110922)	9/22/2011	12:00:00	X				
2401722234	EB-01(20110914)	9/14/2011	2:10:00		X			
2401845394	ASB-166_7-12(20110906)	9/6/2011	5:45:00					X

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 4162-1

		Sample Name:	EB-01(20110914)				EB-01(20110914)			
		Lab Sample ID:	240170428				2401722234			
		Sample Date:	9/14/2011				9/14/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
OSW-8270C										
2-Methylnaphthalene	91-57-6						ND	9.8	ug/l	UJ
Acenaphthene	83-32-9						ND	9.8	ug/l	UJ
Acenaphthylene	208-96-8						ND	9.8	ug/l	UJ
Anthracene	120-12-7						ND	9.8	ug/l	UJ
Benzo[a]anthracene	56-55-3						ND	0.20	ug/l	UJ
Benzo[a]pyrene	50-32-8						ND	9.8	ug/l	UJ
Benzo[b]fluoranthene	205-99-2						ND	9.8	ug/l	UJ
Benzo[g,h,i]perylene	191-24-2						ND	9.8	ug/l	UJ
Benzo[k]fluoranthene	207-08-9						ND	9.8	ug/l	UJ
Chrysene	218-01-9						ND	9.8	ug/l	UJ
Dibenz(a,h)anthracene	53-70-3						ND	9.8	ug/l	UJ
Fluoranthene	206-44-0						ND	9.8	ug/l	UJ
Fluorene	86-73-7						ND	9.8	ug/l	UJ
Indeno[1,2,3-cd]pyrene	193-39-5						ND	9.8	ug/l	UJ
Naphthalene	91-20-3						ND	9.8	ug/l	UJ
Phenanthrene	85-01-8						ND	9.8	ug/l	UJ
Pyrene	129-00-0						ND	9.8	ug/l	UJ
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004		0.042	0.098	mg/l	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 4162-1

		Sample Name:	EB-01(20110914)				EB-01(20110914)			
		Lab Sample ID:	2401667748				240170428			
		Sample Date:	9/14/2011				9/14/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					0.042	0.098	mg/l	J
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 4162-1

		Sample Name:	EB-01(20110914)				TB-006(20110922)			
		Lab Sample ID:	2401707730				2401707731			
		Sample Date:	9/14/2011				9/22/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	0.83	10	ug/l	J	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	8.1	10	ug/l	J	ND	10	ug/l	---
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	0.21	1.0	ug/l	J	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 4162-1

		Sample Name:	EB-01(20110914)				ASB-166_7-12(20110906)			
		Lab Sample ID:	2401722234				2401845394			
		Sample Date:	9/14/2011				9/6/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	ND	9.8	ug/l	UJ				
	Acenaphthene	83-32-9	ND	9.8	ug/l	UJ				
	Acenaphthylene	208-96-8	ND	9.8	ug/l	UJ				
	Anthracene	120-12-7	ND	9.8	ug/l	UJ				
	Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	UJ				
	Benzo[a]pyrene	50-32-8	ND	9.8	ug/l	UJ				
	Benzo[b]fluoranthene	205-99-2	ND	9.8	ug/l	UJ				
	Benzo[g,h,i]perylene	191-24-2	ND	9.8	ug/l	UJ				
	Benzo[k]fluoranthene	207-08-9	ND	9.8	ug/l	UJ				
	Chrysene	218-01-9	ND	9.8	ug/l	UJ				
	Dibenz(a,h)anthracene	53-70-3	ND	9.8	ug/l	UJ				
	Fluoranthene	206-44-0	ND	9.8	ug/l	UJ				
	Fluorene	86-73-7	ND	9.8	ug/l	UJ				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	9.8	ug/l	UJ				
	Naphthalene	91-20-3	ND	9.8	ug/l	UJ				
	Phenanthrene	85-01-8	ND	9.8	ug/l	UJ				
	Pyrene	129-00-0	ND	9.8	ug/l	UJ				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2					610	10	ug/l	---

October 16, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3807-1
Sample date: 2011-09-07 2011-09-09 2011-09-12
Report received by Enovis: 2011-10-13
Initial Data Verification completed by Enovis: 2011-10-16

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water trip blank sample(s) was analyzed for GCMS VOC parameter(s).
25 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GRO, DRO, Metals and General Chemistry parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following significant QC anomalies were identified during verification of the analytical report:

GCMS SVOC surrogate recoveries for client sample -010 original analysis were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the acid fraction surrogates. Client sample -010 original analysis acid fraction analytes should be considered to be unusable and qualified with R flags if non-detect and J flags if detected.
Surrogate recoveries for client sample -027 were diluted to below reliably quantifiable levels and were not used to qualify results.

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch 15984 and GCMS SVOC QC batch 16115 MS/MSD analyses was not performed on a sample from this submittal so qualification of client sample results was not required based on this sample-matrix specific QC outlier.

GCMS VOC MS/MSD recoveries performed on client sample -028 were outside of laboratory control limits biased low for diethylether. Client sample -028 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS VOC trip blank was non-detect for all target analytes.

GCMS VOC surrogate recoveries were diluted to below reliably quantifiable levels and were not used to qualify results for client sample -002.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -003, -006, -007, -008, -009 and -010 results for bis-2-ethylhexylphthalate and samples -003 and -006 results for di-n-butylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC LCS recovery high bias outlier for bis-2-ethylhexylphthalate did not require qualification for client sample results as the associated results for this analyte were already qualified as non-detect at the RL due to method blank contamination.

GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for 3,3-dichlorobenzidine and hexachlorocyclopentadiene. Client sample -003 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol did not require qualification for client sample results.

GCMS SVOC re-analyses for client samples -003, -006, -007, -008, -009 and -010 were prepped outside of the EPA recommended hold time. These results should all be considered to be estimated and qualified with UJ flags if non-detect and J flags if detected. Note: the re-analysis data was not included in the laboratory EDD so is not available in the CLMS Ford database.

GRO and DRO surrogate recovery data was not included with the laboratory submittal.

GRO and DRO MS/MSD recovery data performed on client sample -002 was diluted to below reliably quantifiable levels and was not used to qualify results.

DRO QC batch 15710 method blank had a detection below the RL. Client samples -001 and -010 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

PCB MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for aroclors 1016 and 1260. Client sample -003 results for these aroclors should be considered to be estimated and qualified with UJ flags.

PCB surrogate recoveries were outside of laboratory control limits biased low for 2 out of 2 surrogates in QC sample -003MS. Qualification of client sample results was not required based on these surrogate recovery outliers.

Metals method blank for QC batch 15660 had detections below the RL for arsenic, barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections. Method blank for QC batch 15941 had a detection below the RL for lead. Client samples -012, -017 and -020 Lead results should be considered to be non-detect at the RL and qualified with UB flags.

Metals MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for antimony and calcium. Client sample -002 results for antimony and calcium should be considered to be estimated and qualified with J flags. MS/MSD recoveries for barium and chromium were outliers with one recovery biased low and one biased high along with MS/MSD RPD outliers. Client sample -002 barium and chromium results should be considered to be estimated and qualified with J flags. MS or MSD recovery outliers only but not both for potassium did not require qualification of client sample results. MS recoveries for aluminum, manganese, iron, zinc and lead were not considered to be reliable and not used to qualify results due to elevated levels of target analyte relative to the amount spiked (4X rule).

Reporting limits were elevated due to dilutions required to overcome sample matrix interferences or quantify target analytes for client sample -002 GCMS VOC results, client samples -026, -027 and -029 GCMS SVOC results, client sample -004 GRO results, client samples -002 and -005 DRO results and client sample -005 metals results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3807-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste	Free Cyanide
2205493151	ASB-195_6-8(20110912)	9/12/2011	1:55:00								X
2205493152	ASB-195_8-10(20110912)	9/12/2011	2:05:00								X
2205493153	ASB-193_1-2(20110912)	9/12/2011	2:20:00								X
2205493156	ASB-194_10-12(20110912)	9/12/2011	3:15:00								X
2205493159	ASB-194_13-15(20110912)	9/12/2011	3:20:00								X
24015700106	ASB-182_2-4(20110909)	9/9/2011	11:45:00							X	
24015700111	ASB-174_4-6(20110907)	9/7/2011	4:30:00							X	
24015700112	ASB-184_2-4(20110909)	9/9/2011	1:05:00							X	
24015700113	ASB-181_6-8(20110909)	9/9/2011	2:05:00							X	
24015700114	ASB-183_0-2(20110909)	9/9/2011	2:45:00							X	
24015700115	ASB-185_0-2(20110909)	9/9/2011	3:48:00							X	
24015700116	ASB-185_4-6(20110909)	9/9/2011	3:50:00							X	
24015700117	ASB-186_0-2(20110909)	9/9/2011	4:20:00							X	
24015700118	ASB-186_4-6(20110909)	9/9/2011	4:22:00							X	
24015700119	ASB-187_2-4(20110909)	9/9/2011	5:55:00							X	
24015700122	ASB-195_6-8(20110912)	9/12/2011	1:55:00							X	
24015700123	ASB-195_8-10(20110912)	9/12/2011	2:05:00							X	
24015700124	ASB-193_1-2(20110912)	9/12/2011	2:20:00							X	
24015700125	ASB-194_10-12(20110912)	9/12/2011	3:15:00							X	
24015700126	ASB-194_13-15(20110912)	9/12/2011	3:20:00							X	
2401598425	TRIP BLANK	9/12/2011	12:00:00	X							
2401601712	ASB-194_10-12(20110912)	9/12/2011	3:15:00	X							
2401601714	ASB-174_4-6(20110907)	9/7/2011	4:30:00	X							
2401601715	ASB-184_2-4(20110909)	9/9/2011	1:05:00	X							
2401601716	ASB-181_6-8(20110909)	9/9/2011	2:05:00	X							
2401601717	ASB-183_0-2(20110909)	9/9/2011	2:45:00	X							
2401601718	ASB-185_0-2(20110909)	9/9/2011	3:48:00	X							
2401601719	ASB-185_4-6(20110909)	9/9/2011	3:50:00	X							
2401601720	ASB-186_0-2(20110909)	9/9/2011	4:20:00	X							
2401601721	ASB-186_4-6(20110909)	9/9/2011	4:22:00	X							
2401601722	ASB-187_2-4(20110909)	9/9/2011	5:55:00	X							
2401601723	ASB-195_8-10(20110912)	9/12/2011	2:05:00	X							
2401601724	ASB-193_1-2(20110912)	9/12/2011	2:20:00	X							
2401601727	ASB-194_13-15(20110912)	9/12/2011	3:20:00	X							
240161427	ASB-182_2-4(20110909)	9/9/2011	11:45:00	X							
240161428	ASB-195_6-8(20110912)	9/12/2011	1:55:00	X							
2401626736	ASB-188_0-2(20110912)	9/12/2011	9:40:00						X		
2401626737	ASB-188_4-6(20110912)	9/12/2011	9:45:00						X		

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3807-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste	Free Cyanide
2401626738	ASB-189_0-2(20110912)	9/12/2011	10:40:00						X		
2401626739	ASB-189_4-6(20110912)	9/12/2011	10:45:00						X		
2401626740	ASB-190_0-2(20110912)	9/12/2011	11:15:00						X		
2401626741	ASB-190_8-10(20110912)	9/12/2011	11:20:00						X		
2401626742	ASB-191_0-2(20110912)	9/12/2011	11:50:00						X		
2401626743	ASB-191_4-6(20110912)	9/12/2011	11:55:00						X		
2401626744	ASB-192_0-2(20110912)	9/12/2011	12:30:00						X		
2401626745	ASB-192_4-6(20110912)	9/12/2011	12:35:00						X		
2401627012	ASB-184_2-4(20110909)	9/9/2011	1:05:00					X			
2401627013	ASB-181_6-8(20110909)	9/9/2011	2:05:00					X			
2401627014	ASB-183_0-2(20110909)	9/9/2011	2:45:00					X			
2401627015	ASB-187_2-4(20110909)	9/9/2011	5:55:00					X			
240162708	ASB-174_4-6(20110907)	9/7/2011	4:30:00					X			
2401642312	ASB-184_2-4(20110909)	9/9/2011	1:05:00			X					
2401642313	ASB-187_2-4(20110909)	9/9/2011	5:55:00			X					
240166636	ASB-182_2-4(20110909)	9/9/2011	11:45:00					X			
2401686718	ASB-193_1-2(20110912)	9/12/2011	2:20:00		X						
2401686719	ASB-194_13-15(20110912)	9/12/2011	3:20:00		X						
2401686727	ASB-195_8-10(20110912)	9/12/2011	2:05:00		X						
2401686728	ASB-194_10-12(20110912)	9/12/2011	3:15:00		X						
2401687534	ASB-186_4-6(20110909)	9/9/2011	4:22:00		X						
2401687535	ASB-185_4-6(20110909)	9/9/2011	3:50:00		X						
2401687536	ASB-187_2-4(20110909)	9/9/2011	5:55:00		X						
2401687537	ASB-184_2-4(20110909)	9/9/2011	1:05:00		X						
2401687538	ASB-185_0-2(20110909)	9/9/2011	3:48:00		X						
2401687539	ASB-186_0-2(20110909)	9/9/2011	4:20:00		X						
24016896118	ASB-195_6-8(20110912)	9/12/2011	1:55:00						X		
24016896122	ASB-195_8-10(20110912)	9/12/2011	2:05:00						X		
24016896123	ASB-194_10-12(20110912)	9/12/2011	3:15:00						X		
24016896124	ASB-194_13-15(20110912)	9/12/2011	3:20:00						X		
24016896127	ASB-193_1-2(20110912)	9/12/2011	2:20:00						X		
24017001100	ASB-188_0-2(20110912)	9/12/2011	9:40:00						X		
24017001103	ASB-188_4-6(20110912)	9/12/2011	9:45:00						X		
24017001104	ASB-189_0-2(20110912)	9/12/2011	10:40:00						X		
24017001105	ASB-189_4-6(20110912)	9/12/2011	10:45:00						X		
24017001106	ASB-190_0-2(20110912)	9/12/2011	11:15:00						X		
24017001107	ASB-190_8-10(20110912)	9/12/2011	11:20:00						X		
24017001108	ASB-191_0-2(20110912)	9/12/2011	11:50:00						X		

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3807-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste	Free Cyanide
24017001109	ASB-191_4-6(20110912)	9/12/2011	11:55:00						X		
24017001110	ASB-192_0-2(20110912)	9/12/2011	12:30:00						X		
24017001111	ASB-192_4-6(20110912)	9/12/2011	12:35:00						X		
24017001159	ASB-174_4-6(20110907)	9/7/2011	4:30:00						X		
24017001160	ASB-181_6-8(20110909)	9/9/2011	2:05:00						X		
24017001161	ASB-183_0-2(20110909)	9/9/2011	2:45:00						X		
2401700185	ASB-182_2-4(20110909)	9/9/2011	11:45:00						X		
2401700191	ASB-174_4-6(20110907)	9/7/2011	4:30:00						X		
2401700192	ASB-184_2-4(20110909)	9/9/2011	1:05:00						X		
2401700193	ASB-181_6-8(20110909)	9/9/2011	2:05:00						X		
2401700194	ASB-183_0-2(20110909)	9/9/2011	2:45:00						X		
2401700195	ASB-185_0-2(20110909)	9/9/2011	3:48:00						X		
2401700196	ASB-185_4-6(20110909)	9/9/2011	3:50:00						X		
2401700197	ASB-186_0-2(20110909)	9/9/2011	4:20:00						X		
2401700198	ASB-186_4-6(20110909)	9/9/2011	4:22:00						X		
2401700199	ASB-187_2-4(20110909)	9/9/2011	5:55:00						X		
2401701612	ASB-182_2-4(20110909)	9/9/2011	11:45:00				X				
2401701615	ASB-181_6-8(20110909)	9/9/2011	2:05:00				X				
2401701616	ASB-183_0-2(20110909)	9/9/2011	2:45:00				X				
240170169	ASB-174_4-6(20110907)	9/7/2011	4:30:00				X				
2401702234	ASB-195_6-8(20110912)	9/12/2011	1:55:00		X						

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3807-1

		Sample Name:	ASB-193_1-2(20110912)				ASB-188_4-6(20110912)				ASB-190_0-2(20110912)			
		Lab Sample ID:	2401601724				2401626737				2401626740			
		Sample Date:	9/12/2011				9/12/2011				9/12/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Ethyl ether	60-29-7		ND	600	ug/kg	UJ								
GC/MS SVOC														
OSW-8270C														
2,4,5-Trichlorophenol	95-95-4													
2,4,6-Trichlorophenol	88-06-2													
2,4-Dichlorophenol	120-83-2													
2,4-Dimethylphenol	105-67-9													
2,4-Dinitrophenol	51-28-5													
2-Chlorophenol	95-57-8													
2-Methylphenol	95-48-7													
2-Nitrophenol	88-75-5													
3 & 4 Methylphenol	65794-96-9													
3,3'-Dichlorobenzidine	91-94-1													
4,6-Dinitro-2-methylphenol	534-52-1													
4-Chloro-3-methylphenol	59-50-7													
4-Nitrophenol	100-02-7													
Bis(2-ethylhexyl) phthalate	117-81-7													
Di-n-butyl phthalate	84-74-2													
Hexachlorocyclopentadiene	77-47-4													
Pentachlorophenol	87-86-5													
Phenol	108-95-2													
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2													
Aroclor-1260	11096-82-5													
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004													
Metals														
OSW-6010B														
Antimony	7440-36-0													
Barium	7440-39-3													
Calcium	7440-70-2													
Chromium	7440-47-3													
Lead	7439-92-1						0.0025	0.50	mg/l	UB	0.0043	0.50	mg/l	UB

GCMS SVOC surrogate recoveries for client sample -010 original analysis were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the acid fraction surrogates. Client sample -010 original analysis acid fraction analytes should be considered to be unusable and qualified with R flags if non-detect and J flags if detected.

GCMS VOC MS/MSD recoveries performed on client sample -028 were outside of laboratory control limits biased low for diethylether. Client sample -028 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -003, -006, -007, -008, -009 and -010 results for bis-2-ethylhexylphthalate and samples -003 and -006 results for di-n-butylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for 3,3-dichlorobenzidine and hexachlorocyclopentadiene. Client sample -003 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol did not require qualification for client sample results.

DRO QC batch 15710 method blank had a detection below the RL. Client samples -001 and -010 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

PCB MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for aroclors 1016 and 1260. Client sample -003 results for these aroclors should be considered to be estimated and qualified with UJ flags.

Metals method blank for QC batch 15660 had detections below the RL for arsenic, barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections. Method blank for QC batch 15941 had a detection below the RL for lead. Client samples -012, -017 and -020 Lead results should be considered to be non-detect at the RL and qualified with UB flags.

Metals MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for antimony and calcium. Client sample -002 results for antimony and calcium should be considered to be estimated and qualified with J flags. MS/MSD recoveries for barium and chromium were outliers with one recovery biased low and one biased high along with MS/MSD RPD outliers. Client sample -002 barium and chromium results should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3807-1

		Sample Name:	ASB-191_0-2(20110912)				ASB-187_2-4(20110909)				ASB-174_4-6(20110907)			
		Lab Sample ID:	2401626742				2401627015				240162708			
		Sample Date:	9/12/2011				9/9/2011				9/7/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Ethyl ether	60-29-7													
GC/MS SVOC														
OSW-8270C														
2,4,5-Trichlorophenol	95-95-4													
2,4,6-Trichlorophenol	88-06-2													
2,4-Dichlorophenol	120-83-2													
2,4-Dimethylphenol	105-67-9													
2,4-Dinitrophenol	51-28-5													
2-Chlorophenol	95-57-8													
2-Methylphenol	95-48-7													
2-Nitrophenol	88-75-5													
3 & 4 Methylphenol	65794-96-9													
3,3'-Dichlorobenzidine	91-94-1													
4,6-Dinitro-2-methylphenol	534-52-1													
4-Chloro-3-methylphenol	59-50-7													
4-Nitrophenol	100-02-7													
Bis(2-ethylhexyl) phthalate	117-81-7													
Di-n-butyl phthalate	84-74-2													
Hexachlorocyclopentadiene	77-47-4													
Pentachlorophenol	87-86-5													
Phenol	108-95-2													
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2													
Aroclor-1260	11096-82-5													
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004						4.3	9.8	mg/kg	UB	6.7	9.4	mg/kg	UB
Metals														
OSW-6010B														
Antimony	7440-36-0													
Barium	7440-39-3													
Calcium	7440-70-2													
Chromium	7440-47-3													
Lead	7439-92-1		0.0033	0.50	mg/l	UB								

GCMS SVOC surrogate recoveries for client sample -010 original analysis were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the acid fraction surrogates. Client sample -010 original analysis acid fraction analytes should be considered to be unusable and qualified with R flags if non-detect and J flags if detected.

GCMS VOC MS/MSD recoveries performed on client sample -028 were outside of laboratory control limits biased low for diethylether. Client sample -028 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -003, -006, -007, -008, -009 and -010 results for bis-2-ethylhexylphthalate and samples -003 and -006 results for di-n-butylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for 3,3-dichlorobenzidine and hexachlorocyclopentadiene. Client sample -003 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol did not require qualification for client sample results.

DRO QC batch 15710 method blank had a detection below the RL. Client samples -001 and -010 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

PCB MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for aroclors 1016 and 1260. Client sample -003 results for these aroclors should be considered to be estimated and qualified with UJ flags.

Metals method blank for QC batch 15660 had detections below the RL for arsenic, barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections. Method blank for QC batch 15941 had a detection below the RL for lead. Client samples -012, -017 and -020 Lead results should be considered to be non-detect at the RL and qualified with UB flags.

Metals MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for antimony and calcium. Client sample -002 results for antimony and calcium should be considered to be estimated and qualified with J flags. MS/MSD recoveries for barium and chromium were outliers with one recovery biased low and one biased high along with MS/MSD RPD outliers. Client sample -002 barium and chromium results should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3807-1

Analyte	Cas No.	Sample Name:	ASB-184_2-4(20110909)				ASB-186_4-6(20110909)				ASB-185_4-6(20110909)			
		Lab Sample ID:	2401642312				2401687534				2401687535			
		Sample Date:	9/9/2011				9/9/2011				9/9/2011			
			Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Ethyl ether	60-29-7													
GC/MS SVOC														
OSW-8270C														
2,4,5-Trichlorophenol	95-95-4													
2,4,6-Trichlorophenol	88-06-2													
2,4-Dichlorophenol	120-83-2													
2,4-Dimethylphenol	105-67-9													
2,4-Dinitrophenol	51-28-5													
2-Chlorophenol	95-57-8													
2-Methylphenol	95-48-7													
2-Nitrophenol	88-75-5													
3 & 4 Methylphenol	65794-96-9													
3,3'-Dichlorobenzidine	91-94-1													
4,6-Dinitro-2-methylphenol	534-52-1													
4-Chloro-3-methylphenol	59-50-7													
4-Nitrophenol	100-02-7													
Bis(2-ethylhexyl) phthalate	117-81-7						59	420	ug/kg	UB	42	420	ug/kg	UB
Di-n-butyl phthalate	84-74-2													
Hexachlorocyclopentadiene	77-47-4													
Pentachlorophenol	87-86-5													
Phenol	108-95-2													
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2		ND	45	ug/kg	UJ								
Aroclor-1260	11096-82-5		ND	45	ug/kg	UJ								
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004													
Metals														
OSW-6010B														
Antimony	7440-36-0													
Barium	7440-39-3													
Calcium	7440-70-2													
Chromium	7440-47-3													
Lead	7439-92-1													

GCMS SVOC surrogate recoveries for client sample -010 original analysis were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the acid fraction surrogates. Client sample -010 original analysis acid fraction analytes should be considered to be unusable and qualified with R flags if non-detect and J flags if detected.

GCMS VOC MS/MSD recoveries performed on client sample -028 were outside of laboratory control limits biased low for diethylether. Client sample -028 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -003, -006, -007, -008, -009 and -010 results for bis-2-ethylhexylphthalate and samples -003 and -006 results for di-n-butylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for 3,3-dichlorobenzidine and hexachlorocyclopentadiene. Client sample -003 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol did not require qualification for client sample results.

DRO QC batch 15710 method blank had a detection below the RL. Client samples -001 and -010 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

PCB MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for aroclors 1016 and 1260. Client sample -003 results for these aroclors should be considered to be estimated and qualified with UJ flags.

Metals method blank for QC batch 15660 had detections below the RL for arsenic, barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections. Method blank for QC batch 15941 had a detection below the RL for lead. Client samples -012, -017 and -020 Lead results should be considered to be non-detect at the RL and qualified with UB flags.

Metals MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for antimony and calcium. Client sample -002 results for antimony and calcium should be considered to be estimated and qualified with J flags. MS/MSD recoveries for barium and chromium were outliers with one recovery biased low and one biased high along with MS/MSD RPD outliers. Client sample -002 barium and chromium results should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3807-1

		Sample Name:	ASB-187_2-4(20110909)				ASB-184_2-4(20110909)				ASB-185_0-2(20110909)			
		Lab Sample ID:	2401687536				2401687537				2401687538			
		Sample Date:	9/9/2011				9/9/2011				9/9/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Ethyl ether	60-29-7													
GC/MS SVOC														
OSW-8270C														
2,4,5-Trichlorophenol	95-95-4		ND	370	ug/kg	R								
2,4,6-Trichlorophenol	88-06-2		ND	370	ug/kg	R								
2,4-Dichlorophenol	120-83-2		ND	370	ug/kg	R								
2,4-Dimethylphenol	105-67-9		ND	370	ug/kg	R								
2,4-Dinitrophenol	51-28-5		ND	1800	ug/kg	R								
2-Chlorophenol	95-57-8		ND	370	ug/kg	R								
2-Methylphenol	95-48-7		ND	370	ug/kg	R								
2-Nitrophenol	88-75-5		ND	370	ug/kg	R								
3 & 4 Methylphenol	65794-96-9		ND	450	ug/kg	R								
3,3'-Dichlorobenzidine	91-94-1						ND	2200	ug/kg	UJ				
4,6-Dinitro-2-methylphenol	534-52-1		ND	1800	ug/kg	R								
4-Chloro-3-methylphenol	59-50-7		ND	370	ug/kg	R								
4-Nitrophenol	100-02-7		ND	1800	ug/kg	R								
Bis(2-ethylhexyl) phthalate	117-81-7		35	370	ug/kg	UB	54	450	ug/kg	UB	98	350	ug/kg	UB
Di-n-butyl phthalate	84-74-2						22	450	ug/kg	UB	19	350	ug/kg	UB
Hexachlorocyclopentadiene	77-47-4						ND	2200	ug/kg	UJ				
Pentachlorophenol	87-86-5		ND	370	ug/kg	R								
Phenol	108-95-2		ND	370	ug/kg	R								
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2													
Aroclor-1260	11096-82-5													
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004													
Metals														
OSW-6010B														
Antimony	7440-36-0													
Barium	7440-39-3													
Calcium	7440-70-2													
Chromium	7440-47-3													
Lead	7439-92-1													

GCMS SVOC surrogate recoveries for client sample -010 original analysis were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the acid fraction surrogates. Client sample -010 original analysis acid fraction analytes should be considered to be unusable and qualified with R flags if non-detect and J flags if detected.

GCMS VOC MS/MSD recoveries performed on client sample -028 were outside of laboratory control limits biased low for diethylether. Client sample -028 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -003, -006, -007, -008, -009 and -010 results for bis-2-ethylhexylphthalate and samples -003 and -006 results for di-n-butylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for 3,3-dichlorobenzidine and hexachlorocyclopentadiene. Client sample -003 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol did not require qualification for client sample results.

DRO QC batch 15710 method blank had a detection below the RL. Client samples -001 and -010 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

PCB MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for aroclors 1016 and 1260. Client sample -003 results for these aroclors should be considered to be estimated and qualified with UJ flags.

Metals method blank for QC batch 15660 had detections below the RL for arsenic, barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections. Method blank for QC batch 15941 had a detection below the RL for lead. Client samples -012, -017 and -020 Lead results should be considered to be non-detect at the RL and qualified with UB flags.

Metals MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for antimony and calcium. Client sample -002 results for antimony and calcium should be considered to be estimated and qualified with J flags. MS/MSD recoveries for barium and chromium were outliers with one recovery biased low and one biased high along with MS/MSD RPD outliers. Client sample -002 barium and chromium results should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3807-1

		Sample Name:	ASB-186_0-2(20110909)				ASB-182_2-4(20110909)			
		Lab Sample ID:	2401687539				2401700185			
		Sample Date:	9/9/2011				9/9/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
Ethyl ether	60-29-7									
GC/MS SVOC										
OSW-8270C										
2,4,5-Trichlorophenol	95-95-4									
2,4,6-Trichlorophenol	88-06-2									
2,4-Dichlorophenol	120-83-2									
2,4-Dimethylphenol	105-67-9									
2,4-Dinitrophenol	51-28-5									
2-Chlorophenol	95-57-8									
2-Methylphenol	95-48-7									
2-Nitrophenol	88-75-5									
3 & 4 Methylphenol	65794-96-9									
3,3'-Dichlorobenzidine	91-94-1									
4,6-Dinitro-2-methylphenol	534-52-1									
4-Chloro-3-methylphenol	59-50-7									
4-Nitrophenol	100-02-7									
Bis(2-ethylhexyl) phthalate	117-81-7		35	340	ug/kg	UB				
Di-n-butyl phthalate	84-74-2									
Hexachlorocyclopentadiene	77-47-4									
Pentachlorophenol	87-86-5									
Phenol	108-95-2									
Pest & PCB										
OSW-8082										
Aroclor-1016	12674-11-2									
Aroclor-1260	11096-82-5									
GC Other										
PUBL-SW-141										
WI Diesel Range Organics (C10-C28)	E-1004									
Metals										
OSW-6010B										
Antimony	7440-36-0						7.2	1.2	mg/kg	J
Barium	7440-39-3						900	24	mg/kg	J
Calcium	7440-70-2						15000	600	mg/kg	J
Chromium	7440-47-3						86	0.60	mg/kg	J
Lead	7439-92-1									

GCMS SVOC surrogate recoveries for client sample -010 original analysis were outside of laboratory control limits biased low and less than 10% for 1 out of 3 of the acid fraction surrogates. Client sample -010 original analysis acid fraction analytes should be considered to be unusable and qualified with R flags if non-detect and J flags if detected.

GCMS VOC MS/MSD recoveries performed on client sample -028 were outside of laboratory control limits biased low for diethylether. Client sample -028 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -003, -006, -007, -008, -009 and -010 results for bis-2-ethylhexylphthalate and samples -003 and -006 results for di-n-butylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for 3,3-dichlorobenzidine and hexachlorocyclopentadiene. Client sample -003 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol did not require qualification for client sample results.

DRO QC batch 15710 method blank had a detection below the RL. Client samples -001 and -010 DRO results should be considered to be non-detect at the RL and qualified with UB flags.

PCB MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for aroclors 1016 and 1260. Client sample -003 results for these aroclors should be considered to be estimated and qualified with UJ flags.

Metals method blank for QC batch 15660 had detections below the RL for arsenic, barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections. Method blank for QC batch 15941 had a detection below the RL for lead. Client samples -012, -017 and -020 Lead results should be considered to be non-detect at the RL and qualified with UB flags.

Metals MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for antimony and calcium. Client sample -002 results for antimony and calcium should be considered to be estimated and qualified with J flags. MS/MSD recoveries for barium and chromium were outliers with one recovery biased low and one biased high along with MS/MSD RPD outliers. Client sample -002 barium and chromium results should be considered to be estimated and qualified with J flags.

October 16, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 3692-1
Sample date: 2011-09-08
Report received by Enovis: 2011-10-13
Initial Data Verification completed by Enovis: 2011-10-16

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Solid sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Solid trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch 14890 MS/MSD analyses were not performed due to insufficient sample volume available.

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 is already considered to be estimated and qualified with a J flag due to being present below the RL. Only one of the MS/MSD recoveries was an outlier biased low for 1,2-dibromoethane, 4-chlorotoluene, MIBK, bromomethane and chlorodibromomethane and biased high for 1,2,4-trimethylbenzene. Qualification of client sample results was not required based on these QC outliers alone. MS/MSD recoveries were not considered to be reliable and were not used to qualify results due to elevated levels of target analyte in the original sample matrix relative to the amount spiked (4X rule) for isopropylbenzene, methylcyclohexane, naphthalene, n-butylbenzene, n-propylbenzene and sec-butylbenzene. MS/MSD RPD's were outliers for toluene, tert-butylbenzene and methylacetate in addition to the recovery outliers noted above but qualification was not required based on these RPD outliers alone.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC surrogate recoveries were diluted to below reliably quantifiable levels and were not used to qualify results for client sample -002.

GCMS VOC surrogate recoveries were outside of laboratory control limits biased high for 1 out of 4 surrogates in client sample -008 and the QC batch MS. Associated analytes are already qualified as estimated due to being present below the RL so further qualification was not required based on this high bias surrogate outlier.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC LCS recovery high bias outlier for bis-2-ethylhexylphthalate did not require qualification for client sample results as the associated results for this analyte were already qualified as non-detect at the RL due to method blank contamination.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD RPD outliers for 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol, caprolactam and pentachlorophenol did not require qualification for client sample results.

GCMS SVOC MS/MSD recovery outliers for QC batch MS18046 were not performed on a sample from this submittal so qualification was not applied based on these sample-matrix specific QC outliers.

GCMS SVOC re-analyses for client samples -004, -005, -006 and -007 were prepped outside of the EPA recommended hold time. These results should all be considered to be estimated and qualified with UJ flags if non-detect and J flags if detected. Note: the re-analysis data was not included in the laboratory EDD so is not available in the CLMS Ford database.

GRO Continuing Calibration Verification (CCV) standard for sequence 16677 was an outlier biased high. The laboratory report case narrative indicated that there were no detectable sample results associated with this high bias calibration check so qualification was not required.

GRO and DRO surrogate recovery data was not included with the laboratory submittal.

GRO and DRO MS/MSD recovery data performed on client sample -001 was not considered to be reliable and not used to qualify results due to elevated levels of target analyte relative to the amount spiked (4X rule).

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

PCB QC batch MS/MSD recovery outliers were not performed on a sample from this submittal so qualification of client sample results is not required based on these sample-matrix specific QC outliers.

Metals method blank for QC batch 15306 had detections above the RL for iron and below the RL for aluminum, barium, calcium, potassium and manganese. Qualification of client sample results was not required based on these method blank detections.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags. MS or MSD recovery outliers only but not both for calcium, magnesium and manganese did not require qualification of client sample results. MS recoveries for aluminum, barium, iron, zinc, lead and mercury were not considered to be reliable and not used to qualify results due to elevated levels of target analyte relative to the amount spiked (4X rule).

Reporting limits were elevated due to dilutions required to overcome sample matrix interferences or quantify target analytes for client sample -001 and -002 GCMS VOC and DRO results, client sample -004 GCMS SVOC results, client sample -001 mercury results.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 3692-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
2401498824	MB-01120110908	9/8/2011	12:00:00	X						
2401531016	ASB-177_4-6(20110908)	9/8/2011	11:15:00	X						
2401531017	ASB-178_0-2(20110908)	9/8/2011	12:20:00	X						
2401531018	ASB-179_0-2(20110908)	9/8/2011	2:05:00	X						
2401531019	ASB-180_0-2(20110908)	9/8/2011	2:40:00	X						
2401531020	ASB-180_2-4(20110908)	9/8/2011	2:50:00	X						
240153107	ASB-175_4-6(20110908)	9/8/2011	8:30:00	X						
24015322155	ASB-176_8-10(20110908)	9/8/2011	10:15:00							X
240155087	ASB-176_8-10(20110908)	9/8/2011	10:15:00	X						
2401553429	ASB-177_4-6(20110908)	9/8/2011	11:15:00					X		
2401553430	ASB-178_0-2(20110908)	9/8/2011	12:20:00					X		
2401553431	ASB-179_0-2(20110908)	9/8/2011	2:05:00					X		
2401553432	ASB-180_0-2(20110908)	9/8/2011	2:40:00					X		
2401553433	ASB-180_2-4(20110908)	9/8/2011	2:50:00					X		
2401561341	ASB-175_4-6(20110908)	9/8/2011	8:30:00						X	
2401561345	ASB-176_8-10(20110908)	9/8/2011	10:15:00						X	
2401561346	ASB-177_4-6(20110908)	9/8/2011	11:15:00						X	
2401561347	ASB-178_0-2(20110908)	9/8/2011	12:20:00						X	
2401561348	ASB-179_0-2(20110908)	9/8/2011	2:05:00						X	
2401561351	ASB-180_0-2(20110908)	9/8/2011	2:40:00						X	
2401561352	ASB-180_2-4(20110908)	9/8/2011	2:50:00						X	
2401570012	ASB-175_4-6(20110908)	9/8/2011	8:30:00							X
2401570015	ASB-177_4-6(20110908)	9/8/2011	11:15:00							X
2401570016	ASB-178_0-2(20110908)	9/8/2011	12:20:00							X
2401570017	ASB-179_0-2(20110908)	9/8/2011	2:05:00							X
2401570018	ASB-180_0-2(20110908)	9/8/2011	2:40:00							X
2401570019	ASB-180_2-4(20110908)	9/8/2011	2:50:00							X
2401581716	ASB-175_4-6(20110908)	9/8/2011	8:30:00					X		
2401581719	ASB-176_8-10(20110908)	9/8/2011	10:15:00					X		
2401642310	ASB-180_0-2(20110908)	9/8/2011	2:40:00			X				
2401642311	ASB-180_2-4(20110908)	9/8/2011	2:50:00			X				
240164238	ASB-178_0-2(20110908)	9/8/2011	12:20:00			X				
240164239	ASB-179_0-2(20110908)	9/8/2011	2:05:00			X				
2401667711	ASB-176_8-10(20110908)	9/8/2011	10:15:00				X			
2401667713	ASB-179_0-2(20110908)	9/8/2011	2:05:00				X			
2401667714	ASB-180_0-2(20110908)	9/8/2011	2:40:00				X			
2401667715	ASB-180_2-4(20110908)	9/8/2011	2:50:00				X			
2401667743	ASB-177_4-6(20110908)	9/8/2011	11:15:00				X			
2401687528	ASB-180_0-2(20110908)	9/8/2011	2:40:00		X					
2401687531	ASB-180_2-4(20110908)	9/8/2011	2:50:00		X					
2401687532	ASB-179_0-2(20110908)	9/8/2011	2:05:00		X					
2401687533	ASB-178_0-2(20110908)	9/8/2011	12:20:00		X					
2401701610	ASB-175_4-6(20110908)	9/8/2011	8:30:00				X			

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-177_4-6(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401531016				2401531017			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9	47	540	ug/kg	UB	35	580	ug/kg	UB
Naphthalene	91-20-3	32	270	ug/kg	UB	11	290	ug/kg	UB
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-179_0-2(20110908)				ASB-180_0-2(20110908)			
		Lab Sample ID:	2401531018				2401531019			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9	33	560	ug/kg	UB	56	600	ug/kg	UB
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_2-4(20110908)				ASB-175_4-6(20110908)			
		Lab Sample ID:	2401531020				240153107			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5					ND	1000	ug/kg	UJ
1,1,2-Trichloroethane	79-00-5					ND	1000	ug/kg	UJ
1,2,3-Trichloropropane	96-18-4					ND	1000	ug/kg	UJ
1,2-Dibromo-3-Chloropropane	96-12-8					ND	2000	ug/kg	UJ
2-Hexanone	591-78-6					ND	4100	ug/kg	UJ
Methyl acetate	79-20-9	30	540	ug/kg	UB				
Naphthalene	91-20-3								
Toluene	108-88-3					130	1000	ug/kg	UB
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-177_4-6(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401553429				2401553430			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9								
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	20	9.7	mg/kg	J	ND	9.9	mg/kg	UJ
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-179_0-2(20110908)				ASB-180_0-2(20110908)			
		Lab Sample ID:	2401553431				2401553432			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9								
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	ND	10	mg/kg	UJ	ND	10	mg/kg	UJ
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_2-4(20110908)				ASB-175_4-6(20110908)			
		Lab Sample ID:	2401553433				2401561341			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9								
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	ND	10	mg/kg	UJ				
Metals									
OSW-6010B									
Antimony	7440-36-0					18	1.2	mg/kg	J
Copper	7440-50-8					73	2.9	mg/kg	J

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-175_4-6(20110908)				ASB-176_8-10(20110908)			
		Lab Sample ID:	2401581716				2401581719			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9								
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7								
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004	2600	1100	mg/kg	J	500	220	mg/kg	J
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_0-2(20110908)				ASB-180_2-4(20110908)			
		Lab Sample ID:	2401687528				2401687531			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9								
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	UJ				
4-Nitrophenol	100-02-7	ND	1900	ug/kg	UJ				
Bis(2-ethylhexyl) phthalate	117-81-7	31	400	ug/kg	UB	26	390	ug/kg	UB
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	UJ				
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-179_0-2(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401687532				2401687533			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,2,2-Tetrachloroethane	79-34-5								
1,1,2-Trichloroethane	79-00-5								
1,2,3-Trichloropropane	96-18-4								
1,2-Dibromo-3-Chloropropane	96-12-8								
2-Hexanone	591-78-6								
Methyl acetate	79-20-9								
Naphthalene	91-20-3								
Toluene	108-88-3								
GC/MS SVOC									
OSW-8270C									
2,4-Dinitrophenol	51-28-5								
4-Nitrophenol	100-02-7								
Bis(2-ethylhexyl) phthalate	117-81-7	37	400	ug/kg	UB	47	390	ug/kg	UB
Hexachlorocyclopentadiene	77-47-4								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Antimony	7440-36-0								
Copper	7440-50-8								

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane and 2-hexanone. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS/MSD recoveries for methylacetate, bromoform, ethylbenzene, tert-butylbenzene were outliers biased high. Methyl acetate results for client sample -001 should be considered to be estimated and qualified with a J flag.

GCMS VOC method blanks for QC batches 14890 and 15029 had detections below the RL for naphthalene. Client samples -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had detections below the RL for methylacetate and toluene. Client samples -003, -004, -005, -006 and -007 methyl acetate results should be considered to be non-detect at the RL and qualified with UB flags. Client sample -001 Toluene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS SVOC method blank for QC batch 16114 had detections below the RL for bis-2-ethylhexylphthalate and di-n-butylphthalate. Client samples -004, -005, -006 and -007 results for bis-2-ethylhexylphthalate should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -006 were outside of laboratory control limits biased low for 2,4-dinitrophenol, 4-nitrophenol and only one MS biased low along with the MS/MSD RPD for hexachlorocyclopentadiene. Client sample -006 results for these analytes should be considered to be estimated and qualified with UJ flags.

DRO LCS or LCSduplicate recoveries and the LCS/LCSduplicate RPD were outliers with the recovery biased low. Client samples -001, -002, -003, -004, -005, -006 and -007 should all be considered to be estimated and qualified with a J flag if detected and UJ flags if non-detect.

Metals MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for antimony and copper. Client sample -001 results for antimony and copper should be considered to be estimated and qualified with J flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	MB-01120110908				ASB-177_4-6(20110908)			
		Lab Sample ID:	2401498824				2401531016			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
	1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---	13	270	ug/kg	J
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---	ND	540	ug/kg	---
	1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---	ND	270	ug/kg	---
	1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---	ND	270	ug/kg	---
	2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---	ND	270	ug/kg	---
	2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	1100	ug/kg	---
	2-Chlorotoluene	95-49-8	ND	250	ug/kg	---	ND	270	ug/kg	---
	2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	1100	ug/kg	---
	4-Chlorotoluene	106-43-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	1100	ug/kg	---
	Acetone	67-64-1	ND	1000	ug/kg	---	ND	1100	ug/kg	---
	Allyl chloride	107-05-1	ND	500	ug/kg	---	ND	540	ug/kg	---
	Benzene	71-43-2	ND	250	ug/kg	---	ND	270	ug/kg	---
	Bromobenzene	108-86-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	Bromochloromethane	74-97-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	Bromodichloromethane	75-27-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	Bromoform	75-25-2	ND	250	ug/kg	---	ND	270	ug/kg	---
	Bromomethane	74-83-9	ND	250	ug/kg	---	ND	270	ug/kg	---
	Carbon disulfide	75-15-0	ND	250	ug/kg	---	ND	270	ug/kg	---
	Carbon tetrachloride	56-23-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	Chlorobenzene	108-90-7	ND	250	ug/kg	---	ND	270	ug/kg	---
	Chlorodibromomethane	124-48-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	Chloroethane	75-00-3	ND	250	ug/kg	---	ND	270	ug/kg	---
	Chloroform	67-66-3	ND	250	ug/kg	---	ND	270	ug/kg	---
	Chloromethane	74-87-3	ND	250	ug/kg	---	ND	270	ug/kg	---
	cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---	ND	270	ug/kg	---
	cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	Cyclohexane	110-82-7	ND	500	ug/kg	---	ND	540	ug/kg	---
	Dibromomethane	74-95-3	ND	250	ug/kg	---	ND	270	ug/kg	---
	Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---	ND	270	ug/kg	---
	Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---	ND	540	ug/kg	---
	Ethyl ether	60-29-7	ND	500	ug/kg	---	ND	540	ug/kg	---
	Ethylbenzene	100-41-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---	ND	270	ug/kg	---
	Isopropylbenzene	98-82-8	ND	250	ug/kg	---	ND	270	ug/kg	---
	m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---	ND	540	ug/kg	---
	Methyl acetate	79-20-9	39	500	ug/kg	J	47	540	ug/kg	UB
	Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	1100	ug/kg	---
	Methylcyclohexane	108-87-2	ND	500	ug/kg	---	ND	540	ug/kg	---
	Methylene Chloride	75-09-2	ND	250	ug/kg	---	ND	270	ug/kg	---
	n-Butylbenzene	104-51-8	ND	250	ug/kg	---	ND	270	ug/kg	---
	N-Propylbenzene	103-65-1	ND	250	ug/kg	---	ND	270	ug/kg	---
	Naphthalene	91-20-3	ND	250	ug/kg	---	32	270	ug/kg	UB
	o-Xylene	95-47-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	sec-Butylbenzene	135-98-8	ND	250	ug/kg	---	ND	270	ug/kg	---
	Styrene	100-42-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	tert-Butylbenzene	98-06-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	Tetrachloroethene	127-18-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	1100	ug/kg	---
	Toluene	108-88-3	26	250	ug/kg	J	ND	270	ug/kg	---
	trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	270	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	270	ug/kg	---
	Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	270	ug/kg	---
	Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	270	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-178_0-2(20110908)				ASB-179_0-2(20110908)			
		Lab Sample ID:	2401531017				2401531018			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	290	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	580	ug/kg	---	ND	560	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	290	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	290	ug/kg	---	ND	280	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	290	ug/kg	---	ND	280	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	290	ug/kg	---	ND	280	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	290	ug/kg	---	ND	280	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	290	ug/kg	---	ND	280	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	290	ug/kg	---	ND	280	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1200	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8	ND	290	ug/kg	---	ND	280	ug/kg	---
2-Hexanone	591-78-6	ND	1200	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	290	ug/kg	---	ND	280	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	580	ug/kg	---	ND	560	ug/kg	---
Benzene	71-43-2	ND	290	ug/kg	---	ND	280	ug/kg	---
Bromobenzene	108-86-1	ND	290	ug/kg	---	ND	280	ug/kg	---
Bromochloromethane	74-97-5	ND	290	ug/kg	---	ND	280	ug/kg	---
Bromodichloromethane	75-27-4	ND	290	ug/kg	---	ND	280	ug/kg	---
Bromoform	75-25-2	ND	290	ug/kg	---	ND	280	ug/kg	---
Bromomethane	74-83-9	ND	290	ug/kg	---	ND	280	ug/kg	---
Carbon disulfide	75-15-0	ND	290	ug/kg	---	ND	280	ug/kg	---
Carbon tetrachloride	56-23-5	ND	290	ug/kg	---	ND	280	ug/kg	---
Chlorobenzene	108-90-7	ND	290	ug/kg	---	ND	280	ug/kg	---
Chlorodibromomethane	124-48-1	ND	290	ug/kg	---	ND	280	ug/kg	---
Chloroethane	75-00-3	ND	290	ug/kg	---	ND	280	ug/kg	---
Chloroform	67-66-3	ND	290	ug/kg	---	ND	280	ug/kg	---
Chloromethane	74-87-3	ND	290	ug/kg	---	ND	280	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	290	ug/kg	---	ND	280	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	290	ug/kg	---	ND	280	ug/kg	---
Cyclohexane	110-82-7	ND	580	ug/kg	---	ND	560	ug/kg	---
Dibromomethane	74-95-3	ND	290	ug/kg	---	ND	280	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	290	ug/kg	---	ND	280	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	580	ug/kg	---	ND	560	ug/kg	---
Ethyl ether	60-29-7	ND	580	ug/kg	---	ND	560	ug/kg	---
Ethylbenzene	100-41-4	ND	290	ug/kg	---	ND	280	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	290	ug/kg	---	ND	280	ug/kg	---
Isopropylbenzene	98-82-8	ND	290	ug/kg	---	ND	280	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	580	ug/kg	---	ND	560	ug/kg	---
Methyl acetate	79-20-9	35	580	ug/kg	UB	33	560	ug/kg	UB
Methyl tert butyl ether	1634-04-4	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	ND	580	ug/kg	---	ND	560	ug/kg	---
Methylene Chloride	75-09-2	ND	290	ug/kg	---	ND	280	ug/kg	---
n-Butylbenzene	104-51-8	ND	290	ug/kg	---	ND	280	ug/kg	---
N-Propylbenzene	103-65-1	ND	290	ug/kg	---	ND	280	ug/kg	---
Naphthalene	91-20-3	11	290	ug/kg	UB	ND	280	ug/kg	---
o-Xylene	95-47-6	ND	290	ug/kg	---	ND	280	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	290	ug/kg	---	ND	280	ug/kg	---
sec-Butylbenzene	135-98-8	ND	290	ug/kg	---	ND	280	ug/kg	---
Styrene	100-42-5	ND	290	ug/kg	---	ND	280	ug/kg	---
tert-Butylbenzene	98-06-6	ND	290	ug/kg	---	ND	280	ug/kg	---
Tetrachloroethene	127-18-4	ND	290	ug/kg	---	ND	280	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	290	ug/kg	---	ND	280	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	290	ug/kg	---	ND	280	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	290	ug/kg	---	ND	280	ug/kg	---
Trichloroethene	79-01-6	ND	290	ug/kg	---	ND	280	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	290	ug/kg	---	ND	280	ug/kg	---
Vinyl chloride	75-01-4	ND	290	ug/kg	---	ND	280	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_0-2(20110908)				ASB-180_2-4(20110908)			
		Lab Sample ID:	2401531019				2401531020			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	300	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	600	ug/kg	---	ND	540	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	300	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	300	ug/kg	---	ND	270	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	300	ug/kg	---	ND	270	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	300	ug/kg	---	ND	270	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	300	ug/kg	---	ND	270	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	300	ug/kg	---	ND	270	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	300	ug/kg	---	ND	270	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1200	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8	ND	300	ug/kg	---	ND	270	ug/kg	---
2-Hexanone	591-78-6	ND	1200	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	300	ug/kg	---	ND	270	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	600	ug/kg	---	ND	540	ug/kg	---
Benzene	71-43-2	ND	300	ug/kg	---	ND	270	ug/kg	---
Bromobenzene	108-86-1	ND	300	ug/kg	---	ND	270	ug/kg	---
Bromochloromethane	74-97-5	ND	300	ug/kg	---	ND	270	ug/kg	---
Bromodichloromethane	75-27-4	ND	300	ug/kg	---	ND	270	ug/kg	---
Bromoform	75-25-2	ND	300	ug/kg	---	ND	270	ug/kg	---
Bromomethane	74-83-9	ND	300	ug/kg	---	ND	270	ug/kg	---
Carbon disulfide	75-15-0	ND	300	ug/kg	---	ND	270	ug/kg	---
Carbon tetrachloride	56-23-5	ND	300	ug/kg	---	ND	270	ug/kg	---
Chlorobenzene	108-90-7	ND	300	ug/kg	---	ND	270	ug/kg	---
Chlorodibromomethane	124-48-1	ND	300	ug/kg	---	ND	270	ug/kg	---
Chloroethane	75-00-3	ND	300	ug/kg	---	ND	270	ug/kg	---
Chloroform	67-66-3	ND	300	ug/kg	---	ND	270	ug/kg	---
Chloromethane	74-87-3	ND	300	ug/kg	---	ND	270	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	300	ug/kg	---	ND	270	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	300	ug/kg	---	ND	270	ug/kg	---
Cyclohexane	110-82-7	ND	600	ug/kg	---	ND	540	ug/kg	---
Dibromomethane	74-95-3	ND	300	ug/kg	---	ND	270	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	300	ug/kg	---	ND	270	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	600	ug/kg	---	ND	540	ug/kg	---
Ethyl ether	60-29-7	ND	600	ug/kg	---	ND	540	ug/kg	---
Ethylbenzene	100-41-4	ND	300	ug/kg	---	ND	270	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	300	ug/kg	---	ND	270	ug/kg	---
Isopropylbenzene	98-82-8	ND	300	ug/kg	---	ND	270	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	600	ug/kg	---	ND	540	ug/kg	---
Methyl acetate	79-20-9	56	600	ug/kg	UB	30	540	ug/kg	UB
Methyl tert butyl ether	1634-04-4	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	ND	600	ug/kg	---	ND	540	ug/kg	---
Methylene Chloride	75-09-2	ND	300	ug/kg	---	ND	270	ug/kg	---
n-Butylbenzene	104-51-8	ND	300	ug/kg	---	ND	270	ug/kg	---
N-Propylbenzene	103-65-1	ND	300	ug/kg	---	ND	270	ug/kg	---
Naphthalene	91-20-3	ND	300	ug/kg	---	ND	270	ug/kg	---
o-Xylene	95-47-6	ND	300	ug/kg	---	ND	270	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	300	ug/kg	---	ND	270	ug/kg	---
sec-Butylbenzene	135-98-8	ND	300	ug/kg	---	ND	270	ug/kg	---
Styrene	100-42-5	ND	300	ug/kg	---	ND	270	ug/kg	---
tert-Butylbenzene	98-06-6	ND	300	ug/kg	---	ND	270	ug/kg	---
Tetrachloroethene	127-18-4	ND	300	ug/kg	---	ND	270	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1200	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	300	ug/kg	---	ND	270	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	300	ug/kg	---	ND	270	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/kg	---	ND	270	ug/kg	---
Trichloroethene	79-01-6	ND	300	ug/kg	---	ND	270	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	300	ug/kg	---	ND	270	ug/kg	---
Vinyl chloride	75-01-4	ND	300	ug/kg	---	ND	270	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-175_4-6(20110908)				ASB-176_8-10(20110908)			
		Lab Sample ID:	240153107				24015322155			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1000	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	1000	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	1000	ug/kg	UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1000	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	1000	ug/kg	UJ				
1,1-Dichloroethane	75-34-3	ND	1000	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	1000	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	1000	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	1000	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	1000	ug/kg	UJ				
1,2,4-Trichlorobenzene	120-82-1	ND	1000	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	ND	1000	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2000	ug/kg	UJ				
1,2-Dibromoethane	106-93-4	ND	1000	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	1000	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	1000	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	1000	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	ND	1000	ug/kg	---				
1,3-Dichlorobenzene	541-73-1	ND	1000	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	1000	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	1000	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	1000	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	4100	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	1000	ug/kg	---				
2-Hexanone	591-78-6	ND	4100	ug/kg	UJ				
4-Chlorotoluene	106-43-4	ND	1000	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	4100	ug/kg	---				
Acetone	67-64-1	ND	4100	ug/kg	---				
Allyl chloride	107-05-1	ND	2000	ug/kg	---				
Benzene	71-43-2	ND	1000	ug/kg	---				
Bromobenzene	108-86-1	ND	1000	ug/kg	---				
Bromochloromethane	74-97-5	ND	1000	ug/kg	---				
Bromodichloromethane	75-27-4	ND	1000	ug/kg	---				
Bromoform	75-25-2	ND	1000	ug/kg	---				
Bromomethane	74-83-9	ND	1000	ug/kg	---				
Carbon disulfide	75-15-0	200	1000	ug/kg	J				
Carbon tetrachloride	56-23-5	ND	1000	ug/kg	---				
Chlorobenzene	108-90-7	ND	1000	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	1000	ug/kg	---				
Chloroethane	75-00-3	ND	1000	ug/kg	---				
Chloroform	67-66-3	ND	1000	ug/kg	---				
Chloromethane	74-87-3	ND	1000	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	1000	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	1000	ug/kg	---				
Cyclohexane	110-82-7	430	2000	ug/kg	J				
Dibromomethane	74-95-3	ND	1000	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	1000	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	2000	ug/kg	---				
Ethyl ether	60-29-7	ND	2000	ug/kg	---				
Ethylbenzene	100-41-4	ND	1000	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	1000	ug/kg	---				
Isopropylbenzene	98-82-8	3800	1000	ug/kg	---				
m-Xylene & p-Xylene	179601-23-1	ND	2000	ug/kg	---				
Methyl acetate	79-20-9	860	2000	ug/kg	J				
Methyl tert butyl ether	1634-04-4	ND	4100	ug/kg	---				
Methylcyclohexane	108-87-2	14000	2000	ug/kg	---				
Methylene Chloride	75-09-2	ND	1000	ug/kg	---				
n-Butylbenzene	104-51-8	19000	1000	ug/kg	---				
N-Propylbenzene	103-65-1	8100	1000	ug/kg	---				
Naphthalene	91-20-3	14000	1000	ug/kg	---				
o-Xylene	95-47-6	ND	1000	ug/kg	---				
p-Isopropyltoluene	99-87-6	2100	1000	ug/kg	---				
sec-Butylbenzene	135-98-8	9900	1000	ug/kg	---				
Styrene	100-42-5	ND	1000	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	1000	ug/kg	---				
Tetrachloroethene	127-18-4	ND	1000	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	4100	ug/kg	---				
Toluene	108-88-3	130	1000	ug/kg	UB				
trans-1,2-Dichloroethene	156-60-5	ND	1000	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	1000	ug/kg	---				
Trichloroethene	79-01-6	ND	1000	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	1000	ug/kg	---				
Vinyl chloride	75-01-4	ND	1000	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-175_4-6(20110908)				ASB-176_8-10(20110908)			
		Lab Sample ID:	240153107				24015322155			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6					ND	0.12	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-176_8-10(20110908)				ASB-177_4-6(20110908)			
		Lab Sample ID:	240155087				2401553429			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	21000	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	21000	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	21000	ug/kg	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	21000	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	21000	ug/kg	---				
1,1-Dichloroethane	75-34-3	ND	21000	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	21000	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	21000	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	21000	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	21000	ug/kg	---				
1,2,4-Trichlorobenzene	120-82-1	ND	21000	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	440000	21000	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	42000	ug/kg	---				
1,2-Dibromoethane	106-93-4	ND	21000	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	21000	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	21000	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	21000	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	ND	21000	ug/kg	---				
1,3-Dichlorobenzene	541-73-1	ND	21000	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	21000	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	21000	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	21000	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	83000	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	21000	ug/kg	---				
2-Hexanone	591-78-6	ND	83000	ug/kg	---				
4-Chlorotoluene	106-43-4	ND	21000	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	83000	ug/kg	---				
Acetone	67-64-1	ND	83000	ug/kg	---				
Allyl chloride	107-05-1	ND	42000	ug/kg	---				
Benzene	71-43-2	ND	21000	ug/kg	---				
Bromobenzene	108-86-1	ND	21000	ug/kg	---				
Bromochloromethane	74-97-5	ND	21000	ug/kg	---				
Bromodichloromethane	75-27-4	ND	21000	ug/kg	---				
Bromoform	75-25-2	ND	21000	ug/kg	---				
Bromomethane	74-83-9	ND	21000	ug/kg	---				
Carbon disulfide	75-15-0	ND	21000	ug/kg	---				
Carbon tetrachloride	56-23-5	ND	21000	ug/kg	---				
Chlorobenzene	108-90-7	ND	21000	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	21000	ug/kg	---				
Chloroethane	75-00-3	ND	21000	ug/kg	---				
Chloroform	67-66-3	ND	21000	ug/kg	---				
Chloromethane	74-87-3	ND	21000	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	21000	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	21000	ug/kg	---				
Cyclohexane	110-82-7	16000	42000	ug/kg	J				
Dibromomethane	74-95-3	ND	21000	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	21000	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	42000	ug/kg	---				
Ethyl ether	60-29-7	ND	42000	ug/kg	---				
Ethylbenzene	100-41-4	43000	21000	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	21000	ug/kg	---				
Isopropylbenzene	98-82-8	28000	21000	ug/kg	---				
m-Xylene & p-Xylene	179601-23-1	ND	42000	ug/kg	---				
Methyl acetate	79-20-9	ND	42000	ug/kg	---				
Methyl tert butyl ether	1634-04-4	ND	83000	ug/kg	---				
Methylcyclohexane	108-87-2	83000	42000	ug/kg	---				
Methylene Chloride	75-09-2	ND	21000	ug/kg	---				
n-Butylbenzene	104-51-8	13000	21000	ug/kg	J				
N-Propylbenzene	103-65-1	29000	21000	ug/kg	---				
Naphthalene	91-20-3	41000	21000	ug/kg	---				
o-Xylene	95-47-6	ND	21000	ug/kg	---				
p-Isopropyltoluene	99-87-6	16000	21000	ug/kg	J				
sec-Butylbenzene	135-98-8	24000	21000	ug/kg	---				
Styrene	100-42-5	ND	21000	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	21000	ug/kg	---				
Tetrachloroethene	127-18-4	ND	21000	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	83000	ug/kg	---				
Toluene	108-88-3	ND	21000	ug/kg	---				
trans-1,2-Dichloroethene	156-60-5	ND	21000	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	21000	ug/kg	---				
Trichloroethene	79-01-6	ND	21000	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	21000	ug/kg	---				
Vinyl chloride	75-01-4	ND	21000	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-176_8-10(20110908)				ASB-177_4-6(20110908)			
		Lab Sample ID:	240155087				2401553429			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					20	9.7	mg/kg	J
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-178_0-2(20110908)				ASB-179_0-2(20110908)				
		Lab Sample ID:	2401553430				2401553431				
		Sample Date:	9/8/2011				9/8/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	ND	9.9	mg/kg	UJ	ND	10	mg/kg	UJ
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_0-2(20110908)				ASB-180_2-4(20110908)				
		Lab Sample ID:	2401553432				2401553433				
		Sample Date:	9/8/2011				9/8/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	ND	10	mg/kg	UJ	ND	10	mg/kg	UJ
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-175_4-6(20110908)				ASB-176_8-10(20110908)			
		Lab Sample ID:	2401561341				2401561345			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	2800	23	mg/kg	---	8100	23	mg/kg	---
	Antimony	7440-36-0	18	1.2	mg/kg	J	0.62	1.1	mg/kg	J
	Arsenic	7440-38-2	7.7	1.2	mg/kg	---	2.7	1.1	mg/kg	---
	Barium	7440-39-3	1100	23	mg/kg	---	83	23	mg/kg	---
	Beryllium	7440-41-7	ND	0.59	mg/kg	---	0.23	0.57	mg/kg	J
	Cadmium	7440-43-9	0.77	0.23	mg/kg	---	0.15	0.23	mg/kg	J
	Calcium	7440-70-2	16000	590	mg/kg	---	9200	570	mg/kg	---
	Chromium	7440-47-3	19	0.59	mg/kg	---	13	0.57	mg/kg	---
	Cobalt	7440-48-4	2.6	5.9	mg/kg	J	8.3	5.7	mg/kg	---
	Copper	7440-50-8	73	2.9	mg/kg	J	10	2.9	mg/kg	---
	Iron	7439-89-6	6600	12	mg/kg	---	11000	11	mg/kg	---
	Lead	7439-92-1	1000	0.35	mg/kg	---	6.4	0.34	mg/kg	---
	Magnesium	7439-95-4	4000	590	mg/kg	---	3000	570	mg/kg	---
	Manganese	7439-96-5	170	1.8	mg/kg	---	470	1.7	mg/kg	---
	Nickel	7440-02-0	6.0	4.7	mg/kg	---	15	4.6	mg/kg	---
	Potassium	7440-09-7	490	590	mg/kg	J	510	570	mg/kg	J
	Selenium	7782-49-2	0.64	0.59	mg/kg	---	ND	0.57	mg/kg	---
	Silver	7440-22-4	ND	0.59	mg/kg	---	ND	0.57	mg/kg	---
	Sodium	7440-23-5	140	590	mg/kg	J	86	570	mg/kg	J
	Thallium	7440-28-0	0.71	1.2	mg/kg	J	ND	1.1	mg/kg	---
	Vanadium	7440-62-2	8.5	5.9	mg/kg	---	21	5.7	mg/kg	---
	Zinc	7440-66-6	390	2.3	mg/kg	---	29	2.3	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-177_4-6(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401561346				2401561347			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	3500	20	mg/kg	---				
	Antimony	7440-36-0	ND	0.98	mg/kg	---				
	Arsenic	7440-38-2	2.2	0.98	mg/kg	---	3.3	1.1	mg/kg	---
	Barium	7440-39-3	29	20	mg/kg	---	22	21	mg/kg	---
	Beryllium	7440-41-7	ND	0.49	mg/kg	---				
	Cadmium	7440-43-9	ND	0.20	mg/kg	---	ND	0.21	mg/kg	---
	Calcium	7440-70-2	37000	490	mg/kg	---				
	Chromium	7440-47-3	9.2	0.49	mg/kg	---	15	0.53	mg/kg	---
	Cobalt	7440-48-4	5.7	4.9	mg/kg	---				
	Copper	7440-50-8	9.5	2.4	mg/kg	---				
	Iron	7439-89-6	9700	9.8	mg/kg	---				
	Lead	7439-92-1	5.9	0.29	mg/kg	---	3.0	0.32	mg/kg	---
	Magnesium	7439-95-4	9300	490	mg/kg	---				
	Manganese	7439-96-5	300	1.5	mg/kg	---				
	Nickel	7440-02-0	12	3.9	mg/kg	---				
	Potassium	7440-09-7	910	490	mg/kg	---				
	Selenium	7782-49-2	ND	0.49	mg/kg	---	ND	0.53	mg/kg	---
	Silver	7440-22-4	ND	0.49	mg/kg	---	ND	0.53	mg/kg	---
	Sodium	7440-23-5	100	490	mg/kg	J				
	Thallium	7440-28-0	ND	0.98	mg/kg	---				
	Vanadium	7440-62-2	13	4.9	mg/kg	---				
	Zinc	7440-66-6	19	2.0	mg/kg	---				
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-179_0-2(20110908)				ASB-180_0-2(20110908)			
		Lab Sample ID:	2401561348				2401561351			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	8900	18	mg/kg	---	7700	23	mg/kg	---
	Antimony	7440-36-0	ND	0.89	mg/kg	---	ND	1.2	mg/kg	---
	Arsenic	7440-38-2	3.1	0.89	mg/kg	---	3.1	1.2	mg/kg	---
	Barium	7440-39-3	26	18	mg/kg	---	24	23	mg/kg	---
	Beryllium	7440-41-7	0.42	0.44	mg/kg	J	0.46	0.58	mg/kg	J
	Cadmium	7440-43-9	ND	0.18	mg/kg	---	ND	0.23	mg/kg	---
	Calcium	7440-70-2	16000	440	mg/kg	---	16000	580	mg/kg	---
	Chromium	7440-47-3	18	0.44	mg/kg	---	15	0.58	mg/kg	---
	Cobalt	7440-48-4	9.2	4.4	mg/kg	---	11	5.8	mg/kg	---
	Copper	7440-50-8	32	2.2	mg/kg	---	20	2.9	mg/kg	---
	Iron	7439-89-6	13000	8.9	mg/kg	---	14000	12	mg/kg	---
	Lead	7439-92-1	3.0	0.27	mg/kg	---	2.6	0.35	mg/kg	---
	Magnesium	7439-95-4	5400	440	mg/kg	---	8200	580	mg/kg	---
	Manganese	7439-96-5	170	1.3	mg/kg	---	210	1.7	mg/kg	---
	Nickel	7440-02-0	19	3.6	mg/kg	---	22	4.6	mg/kg	---
	Potassium	7440-09-7	3900	440	mg/kg	---	3800	580	mg/kg	---
	Selenium	7782-49-2	ND	0.44	mg/kg	---	ND	0.58	mg/kg	---
	Silver	7440-22-4	ND	0.44	mg/kg	---	ND	0.58	mg/kg	---
	Sodium	7440-23-5	290	440	mg/kg	J	330	580	mg/kg	J
	Thallium	7440-28-0	ND	0.89	mg/kg	---	ND	1.2	mg/kg	---
	Vanadium	7440-62-2	10	4.4	mg/kg	---	8.2	5.8	mg/kg	---
	Zinc	7440-66-6	18	1.8	mg/kg	---	22	2.3	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_2-4(20110908)				ASB-175_4-6(20110908)			
		Lab Sample ID:	2401561352				2401570012			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	7300	21	mg/kg	---				
	Antimony	7440-36-0	ND	1.0	mg/kg	---				
	Arsenic	7440-38-2	3.0	1.0	mg/kg	---				
	Barium	7440-39-3	21	21	mg/kg	---				
	Beryllium	7440-41-7	0.52	0.52	mg/kg	---				
	Cadmium	7440-43-9	ND	0.21	mg/kg	---				
	Calcium	7440-70-2	9200	520	mg/kg	---				
	Chromium	7440-47-3	14	0.52	mg/kg	---				
	Cobalt	7440-48-4	12	5.2	mg/kg	---				
	Copper	7440-50-8	19	2.6	mg/kg	---				
	Iron	7439-89-6	14000	10	mg/kg	---				
	Lead	7439-92-1	2.2	0.31	mg/kg	---				
	Magnesium	7439-95-4	6100	520	mg/kg	---				
	Manganese	7439-96-5	150	1.6	mg/kg	---				
	Nickel	7440-02-0	25	4.2	mg/kg	---				
	Potassium	7440-09-7	4200	520	mg/kg	---				
	Selenium	7782-49-2	ND	0.52	mg/kg	---				
	Silver	7440-22-4	ND	0.52	mg/kg	---				
	Sodium	7440-23-5	250	520	mg/kg	J				
	Thallium	7440-28-0	ND	1.0	mg/kg	---				
	Vanadium	7440-62-2	5.4	5.2	mg/kg	---				
	Zinc	7440-66-6	19	2.1	mg/kg	---				
	OSW-7471A									
	Mercury	7439-97-6					6.1	2.4	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-177_4-6(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401570015				2401570016			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6	ND	0.11	mg/kg	---	ND	0.11	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-179_0-2(20110908)				ASB-180_0-2(20110908)			
		Lab Sample ID:	2401570017				2401570018			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6	ND	0.10	mg/kg	---	ND	0.10	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_2-4(20110908)				ASB-175_4-6(20110908)			
		Lab Sample ID:	2401570019				2401581716			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					2600	1100	mg/kg	J
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6	ND	0.12	mg/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-176_8-10(20110908)				ASB-180_0-2(20110908)			
		Lab Sample ID:	2401581719				2401642310			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2					ND	40	ug/kg	---
	Aroclor-1221	11104-28-2					ND	40	ug/kg	---
	Aroclor-1232	11141-16-5					ND	40	ug/kg	---
	Aroclor-1242	53469-21-9					ND	40	ug/kg	---
	Aroclor-1248	12672-29-6					ND	40	ug/kg	---
	Aroclor-1254	11097-69-1					ND	40	ug/kg	---
	Aroclor-1260	11096-82-5					ND	40	ug/kg	---
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	500	220	mg/kg	J				
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_2-4(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401642311				240164238			
		Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	39	ug/kg	---	ND	39	ug/kg	---
	Aroclor-1221	11104-28-2	ND	39	ug/kg	---	ND	39	ug/kg	---
	Aroclor-1232	11141-16-5	ND	39	ug/kg	---	ND	39	ug/kg	---
	Aroclor-1242	53469-21-9	ND	39	ug/kg	---	ND	39	ug/kg	---
	Aroclor-1248	12672-29-6	ND	39	ug/kg	---	ND	39	ug/kg	---
	Aroclor-1254	11097-69-1	ND	39	ug/kg	---	ND	39	ug/kg	---
	Aroclor-1260	11096-82-5	ND	39	ug/kg	---	ND	39	ug/kg	---
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

			Sample Name:	ASB-179_0-2(20110908)				ASB-176_8-10(20110908)			
			Lab Sample ID:	240164239				2401667711			
			Sample Date:	9/8/2011				9/8/2011			
					Report		**Valid**		**Report**		**Valid**
	Analyte	**Cas No.**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	40	ug/kg	---				
	Aroclor-1221	11104-28-2	ND	40	ug/kg	---				
	Aroclor-1232	11141-16-5	ND	40	ug/kg	---				
	Aroclor-1242	53469-21-9	ND	40	ug/kg	---				
	Aroclor-1248	12672-29-6	ND	40	ug/kg	---				
	Aroclor-1254	11097-69-1	ND	40	ug/kg	---				
	Aroclor-1260	11096-82-5	ND	40	ug/kg	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005					4200	600	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

			Sample Name:	ASB-179_0-2(20110908)				ASB-180_0-2(20110908)			
			Lab Sample ID:	2401667713				2401667714			
			Sample Date:	9/8/2011				9/8/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	12	mg/kg	---	ND	11	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_2-4(20110908)				ASB-177_4-6(20110908)				
		Lab Sample ID:	2401667715				2401667743				
		Sample Date:	9/8/2011				9/8/2011				
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	12	mg/kg	---	3.0	11	mg/kg	J
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1								
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-180_0-2(20110908)				ASB-180_2-4(20110908)			
		Lab Sample ID:	2401687528				2401687531			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4	ND	400	ug/kg	---	ND	390	ug/kg	---
2,2'-oxybis[1-chloropropane]	108-60-1	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	UJ	ND	1900	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Chlorophenol	95-57-8	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Methylphenol	95-48-7	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Nitroaniline	88-74-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---
2-Nitrophenol	88-75-5	ND	400	ug/kg	---	ND	390	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	480	ug/kg	---	ND	480	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---
3-Nitroaniline	99-09-2	ND	1900	ug/kg	---	ND	1900	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Chloroaniline	106-47-8	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Nitroaniline	100-01-6	ND	1900	ug/kg	---	ND	1900	ug/kg	---
4-Nitrophenol	100-02-7	ND	1900	ug/kg	UJ	ND	1900	ug/kg	---
Acenaphthene	83-32-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Acenaphthylene	208-96-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Acetophenone	98-86-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Anthracene	120-12-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Atrazine	1912-24-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzaldehyde	100-52-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[a]anthracene	56-55-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1	ND	400	ug/kg	---	ND	390	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	400	ug/kg	---	ND	390	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	31	400	ug/kg	UB	26	390	ug/kg	UB
Butyl benzyl phthalate	85-68-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Caprolactam	105-60-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Carbazole	86-74-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Chrysene	218-01-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Di-n-butyl phthalate	84-74-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Di-n-octyl phthalate	117-84-0	ND	400	ug/kg	---	ND	390	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Dibenzofuran	132-64-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Diethyl phthalate	84-66-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Dimethyl phthalate	131-11-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Fluoranthene	206-44-0	ND	400	ug/kg	---	ND	390	ug/kg	---
Fluorene	86-73-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Hexachlorobenzene	118-74-1	ND	400	ug/kg	---	ND	390	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	UJ	ND	1900	ug/kg	---
Hexachloroethane	67-72-1	ND	400	ug/kg	---	ND	390	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	400	ug/kg	---	ND	390	ug/kg	---
Isophorone	78-59-1	ND	400	ug/kg	---	ND	390	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7	ND	400	ug/kg	---	ND	390	ug/kg	---
N-Nitrosodiphenylamine	86-30-6	ND	400	ug/kg	---	ND	390	ug/kg	---
Naphthalene	91-20-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Nitrobenzene	98-95-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Pentachlorophenol	87-86-5	ND	400	ug/kg	---	ND	390	ug/kg	---
Phenanthrene	85-01-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Phenol	108-95-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Pyrene	129-00-0	ND	400	ug/kg	---	ND	390	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

		Sample Name:	ASB-179_0-2(20110908)				ASB-178_0-2(20110908)			
		Lab Sample ID:	2401687532				2401687533			
		Sample Date:	9/8/2011				9/8/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4	ND	400	ug/kg	---	ND	390	ug/kg	---
2,2'-oxybis[1-chloropropane]	108-60-1	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	400	ug/kg	---	ND	390	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	---	ND	1900	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Chlorophenol	95-57-8	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Methylphenol	95-48-7	ND	400	ug/kg	---	ND	390	ug/kg	---
2-Nitroaniline	88-74-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---
2-Nitrophenol	88-75-5	ND	400	ug/kg	---	ND	390	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	480	ug/kg	---	ND	470	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---
3-Nitroaniline	99-09-2	ND	1900	ug/kg	---	ND	1900	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Chloroaniline	106-47-8	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	400	ug/kg	---	ND	390	ug/kg	---
4-Nitroaniline	100-01-6	ND	1900	ug/kg	---	ND	1900	ug/kg	---
4-Nitrophenol	100-02-7	ND	1900	ug/kg	---	ND	1900	ug/kg	---
Acenaphthene	83-32-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Acenaphthylene	208-96-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Acetophenone	98-86-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Anthracene	120-12-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Atrazine	1912-24-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzaldehyde	100-52-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[a]anthracene	56-55-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1	ND	400	ug/kg	---	ND	390	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	400	ug/kg	---	ND	390	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	37	400	ug/kg	UB	47	390	ug/kg	UB
Butyl benzyl phthalate	85-68-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Caprolactam	105-60-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Carbazole	86-74-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Chrysene	218-01-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Di-n-butyl phthalate	84-74-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Di-n-octyl phthalate	117-84-0	ND	400	ug/kg	---	ND	390	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Dibenzofuran	132-64-9	ND	400	ug/kg	---	ND	390	ug/kg	---
Diethyl phthalate	84-66-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Dimethyl phthalate	131-11-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Fluoranthene	206-44-0	ND	400	ug/kg	---	ND	390	ug/kg	---
Fluorene	86-73-7	ND	400	ug/kg	---	ND	390	ug/kg	---
Hexachlorobenzene	118-74-1	ND	400	ug/kg	---	ND	390	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---
Hexachloroethane	67-72-1	ND	400	ug/kg	---	ND	390	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	400	ug/kg	---	ND	390	ug/kg	---
Isophorone	78-59-1	ND	400	ug/kg	---	ND	390	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7	ND	400	ug/kg	---	ND	390	ug/kg	---
N-Nitrosodiphenylamine	86-30-6	ND	400	ug/kg	---	ND	390	ug/kg	---
Naphthalene	91-20-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Nitrobenzene	98-95-3	ND	400	ug/kg	---	ND	390	ug/kg	---
Pentachlorophenol	87-86-5	ND	400	ug/kg	---	ND	390	ug/kg	---
Phenanthrene	85-01-8	ND	400	ug/kg	---	ND	390	ug/kg	---
Phenol	108-95-2	ND	400	ug/kg	---	ND	390	ug/kg	---
Pyrene	129-00-0	ND	400	ug/kg	---	ND	390	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 3692-1

Sample Name: ASB-175_4-6(20110908)
Lab Sample ID: 2401701610
Sample Date: 9/8/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC VOC					
PUBL-SW-140					
WI Gasoline Range Organics (C6-C10)	E-1005	5800	1200	mg/kg	---
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				
Metals					
OSW-6010B					
Aluminum	7429-90-5				
Antimony	7440-36-0				
Arsenic	7440-38-2				
Barium	7440-39-3				
Beryllium	7440-41-7				
Cadmium	7440-43-9				
Calcium	7440-70-2				
Chromium	7440-47-3				
Cobalt	7440-48-4				
Copper	7440-50-8				
Iron	7439-89-6				
Lead	7439-92-1				
Magnesium	7439-95-4				
Manganese	7439-96-5				
Nickel	7440-02-0				
Potassium	7440-09-7				
Selenium	7782-49-2				
Silver	7440-22-4				
Sodium	7440-23-5				
Thallium	7440-28-0				
Vanadium	7440-62-2				
Zinc	7440-66-6				
OSW-7471A					
Mercury	7439-97-6				

November 28, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 5494-1
Sample date: 2011-10-31
Report received by Enovis: 2011-11-23
Initial Data Verification completed by Enovis: 2011-11-28

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

3 Water sample(s) and 1 field duplicate were analyzed for GCMS VOC, GCMS SVOC, GC VOC, DRO and Metals parameter(s). 1 Water trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Refer to the attached Sampling and Analysis Summary table.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC MS/MSD recoveries performed on client sample -004 were outside of laboratory control limits biased high for 1,1,2-trichloroethane and the MSD recovery only was biased high for methylcyclohexane. Qualification of client sample results was not required based on these high bias QC outliers.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low but greater than 10% for 1 out of 3 surrogates in client sample -002. Qualification of client sample results was not required based on this surrogate recovery outlier alone.

GCMS SVOC QC batch MS recovery outliers were not performed on a sample from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

DRO and GRO QC information did not include batch MS/MSD recovery data or sample/QC recovery data. The laboratory report case narrative did not elaborate on these omissions.

Metals method blank had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

GCMS VOC trip blank had a detection below the RL for acetone. Client samples -001, -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 5494-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy(D)	Mercury (Manual Cold Vapor)(D)
24054941	AMW-18	10/31/2011	1:35:00	X	X	X	X	X	X
24054942	AMW-13	10/31/2011	2:15:00		X	X	X	X	X
24054943	AMW-11	10/31/2011	2:55:00	X	X	X	X	X	X
24054944	DUP-002	10/31/2011	12:00:00	X	X	X	X	X	X
24054945	TB-007(20111031)	10/31/2011	12:00:00	X					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5494-1

		Sample Name:	AMW-18				AMW-11				DUP-002			
		Lab Sample ID:	24054941				24054943				24054944			
		Sample Date:	10/31/2011				10/31/2011				10/31/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Acetone	67-64-1		2.3	10	ug/l	UB	20	100	ug/l	UB	15	100	ug/l	UB

GCMS VOC trip blank had a detection below the RL for acetone. Client samples -001, -003 and -004 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5494-1

		Sample Name:	AMW-18				AMW-13				AMW-11			
		Lab Sample ID:	24054941				24054942				24054943			
		Sample Date:	10/31/2011				10/31/2011				10/31/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---					ND	10	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---					ND	10	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---					ND	10	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---					ND	10	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---					ND	10	ug/l	---
1,1-Dichloroethane	75-34-3	1.2	1.0	ug/l	---					ND	10	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---					ND	10	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---					ND	20	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---					ND	10	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---					ND	10	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---					ND	10	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---					ND	10	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---					ND	10	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---					ND	10	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---					ND	10	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---					ND	100	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---					ND	10	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---					ND	100	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---					ND	10	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---					ND	100	ug/l	---
Acetone	67-64-1	2.3	10	ug/l	UB					20	100	ug/l	UB
Allyl chloride	107-05-1	ND	2.0	ug/l	---					ND	20	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---					ND	10	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---					ND	10	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---					ND	10	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---					ND	10	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---					ND	10	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---					ND	10	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---					ND	10	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---					ND	10	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---					ND	10	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---					ND	10	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---					ND	10	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---					ND	10	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---					ND	10	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---					ND	10	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---					ND	10	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---					45	10	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---					ND	10	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---					ND	10	ug/l	---
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---					ND	20	ug/l	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---					ND	20	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---					ND	10	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---					ND	10	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---					22	10	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---					ND	20	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---					ND	100	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---					ND	50	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---					170	10	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---					ND	10	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---					5.4	10	ug/l	J
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---					33	10	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---					ND	10	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---					ND	10	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---					ND	10	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---					11	10	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---					ND	10	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---					1.7	10	ug/l	J
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---					ND	10	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---					ND	50	ug/l	---
Toluene	108-88-3	ND	1.0	ug/l	---					ND	10	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---					ND	10	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---					ND	10	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---					ND	10	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---					ND	10	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---					ND	10	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5494-1

			Sample Name:	AMW-18			AMW-13				AMW-11			
			Lab Sample ID:	24054941			24054942				24054943			
			Sample Date:	10/31/2011			10/31/2011				10/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	2-Methylnaphthalene	91-57-6	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Acenaphthene	83-32-9	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Acenaphthylene	208-96-8	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Anthracene	120-12-7	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	---	ND	0.21	ug/l	---	ND	0.20	ug/l	---
	Benzo[a]pyrene	50-32-8	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Benzo[b]fluoranthene	205-99-2	0.25	10	ug/l	J	ND	10	ug/l	---	ND	10	ug/l	---
	Benzo[g,h,i]perylene	191-24-2	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Benzo[k]fluoranthene	207-08-9	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Chrysene	218-01-9	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Dibenz(a,h)anthracene	53-70-3	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Fluoranthene	206-44-0	0.20	10	ug/l	J	ND	10	ug/l	---	ND	10	ug/l	---
	Fluorene	86-73-7	ND	10	ug/l	---	ND	10	ug/l	---	0.17	10	ug/l	J
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Naphthalene	91-20-3	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Phenanthrene	85-01-8	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Pyrene	129-00-0	0.14	10	ug/l	J	ND	10	ug/l	---	ND	10	ug/l	---
GC VOC														
	PUBL-SW-140													
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---	ND	100	ug/l	---	3000	1000	ug/l	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	1.0	0.10	mg/l	---	0.22	0.10	mg/l	---	1.2	0.10	mg/l	---
Metals														
	OSW-6010B													
	Arsenic - Dissolved	7440-38-2	4.1	10	ug/l	J	ND	10	ug/l	---	ND	10	ug/l	---
	Barium - Dissolved	7440-39-3	180	200	ug/l	J	230	200	ug/l	---	200	200	ug/l	---
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---	ND	3.0	ug/l	---
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
	OSW-7470A													
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---	ND	0.20	ug/l	---	ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5494-1

		Sample Name:	DUP-002				TB-007(20111031)			
		Lab Sample ID:	24054944				24054945			
		Sample Date:	10/31/2011				10/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
	1,1,1,2-Tetrachloroethane	630-20-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1,1-Trichloroethane	71-55-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1,2,2-Tetrachloroethane	79-34-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1,2-Trichloroethane	79-00-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1-Dichloroethane	75-34-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1-Dichloroethene	75-35-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,1-Dichloropropene	563-58-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2,3-Trichlorobenzene	87-61-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2,3-Trichloropropane	96-18-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2,4-Trichlorobenzene	120-82-1	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2,4-Trimethylbenzene	95-63-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	20	ug/l	---	ND	2.0	ug/l	---
	1,2-Dibromoethane	106-93-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2-Dichlorobenzene	95-50-1	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2-Dichloroethane	107-06-2	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,2-Dichloropropane	78-87-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,3,5-Trimethylbenzene	108-67-8	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,3-Dichlorobenzene	541-73-1	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,3-Dichloropropane	142-28-9	ND	10	ug/l	---	ND	1.0	ug/l	---
	1,4-Dichlorobenzene	106-46-7	ND	10	ug/l	---	ND	1.0	ug/l	---
	2,2-Dichloropropane	594-20-7	ND	10	ug/l	---	ND	1.0	ug/l	---
	2-Butanone (MEK)	78-93-3	ND	100	ug/l	---	ND	10	ug/l	---
	2-Chlorotoluene	95-49-8	ND	10	ug/l	---	ND	1.0	ug/l	---
	2-Hexanone	591-78-6	ND	100	ug/l	---	ND	10	ug/l	---
	4-Chlorotoluene	106-43-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	100	ug/l	---	ND	5.0	ug/l	---
	Acetone	67-64-1	15	100	ug/l	UB	1.7	10	ug/l	J
	Allyl chloride	107-05-1	ND	20	ug/l	---	ND	2.0	ug/l	---
	Benzene	71-43-2	ND	10	ug/l	---	ND	1.0	ug/l	---
	Bromobenzene	108-86-1	ND	10	ug/l	---	ND	1.0	ug/l	---
	Bromochloromethane	74-97-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	Bromodichloromethane	75-27-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	Bromoform	75-25-2	ND	10	ug/l	---	ND	1.0	ug/l	---
	Bromomethane	74-83-9	ND	10	ug/l	---	ND	1.0	ug/l	---
	Carbon disulfide	75-15-0	ND	10	ug/l	---	ND	1.0	ug/l	---
	Carbon tetrachloride	56-23-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	Chlorobenzene	108-90-7	ND	10	ug/l	---	ND	1.0	ug/l	---
	Chlorodibromomethane	124-48-1	ND	10	ug/l	---	ND	1.0	ug/l	---
	Chloroethane	75-00-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	Chloroform	67-66-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	Chloromethane	74-87-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	cis-1,2-Dichloroethene	156-59-2	ND	10	ug/l	---	ND	1.0	ug/l	---
	cis-1,3-Dichloropropene	10061-01-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	Cyclohexane	110-82-7	48	10	ug/l	---	ND	1.0	ug/l	---
	Dibromomethane	74-95-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	Dichlorodifluoromethane	75-71-8	ND	10	ug/l	---	ND	1.0	ug/l	---
	Dichlorofluoromethane	75-43-4	ND	20	ug/l	---	ND	1.0	ug/l	---
	Ethyl ether	60-29-7	ND	20	ug/l	---	ND	1.0	ug/l	---
	Ethylbenzene	100-41-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	Hexachlorobutadiene	87-68-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	Isopropylbenzene	98-82-8	26	10	ug/l	---	ND	1.0	ug/l	---
	m-Xylene & p-Xylene	179601-23-1	ND	20	ug/l	---	ND	2.0	ug/l	---
	Methyl acetate	79-20-9	ND	100	ug/l	---	ND	10	ug/l	---
	Methyl tert butyl ether	1634-04-4	ND	50	ug/l	---	ND	2.0	ug/l	---
	Methylcyclohexane	108-87-2	170	10	ug/l	---	ND	1.0	ug/l	---
	Methylene Chloride	75-09-2	ND	10	ug/l	---	ND	1.0	ug/l	---
	n-Butylbenzene	104-51-8	6.1	10	ug/l	J	ND	1.0	ug/l	---
	N-Propylbenzene	103-65-1	35	10	ug/l	---	ND	1.0	ug/l	---
	Naphthalene	91-20-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	o-Xylene	95-47-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	p-Isopropyltoluene	99-87-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	sec-Butylbenzene	135-98-8	13	10	ug/l	---	ND	1.0	ug/l	---
	Styrene	100-42-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	tert-Butylbenzene	98-06-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	Tetrachloroethene	127-18-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	Tetrahydrofuran	109-99-9	ND	50	ug/l	---	ND	5.0	ug/l	---
	Toluene	108-88-3	ND	10	ug/l	---	ND	1.0	ug/l	---
	trans-1,2-Dichloroethene	156-60-5	ND	10	ug/l	---	ND	1.0	ug/l	---
	trans-1,3-Dichloropropene	10061-02-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	Trichloroethene	79-01-6	ND	10	ug/l	---	ND	1.0	ug/l	---
	Trichlorofluoromethane	75-69-4	ND	10	ug/l	---	ND	1.0	ug/l	---
	Vinyl chloride	75-01-4	ND	10	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5494-1

			Sample Name:	DUP-002				TB-007(20111031)			
			Lab Sample ID:	24054944				24054945			
			Sample Date:	10/31/2011				10/31/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	ND	9.9	ug/l	---				
	Acenaphthene	83-32-9	ND	9.9	ug/l	---				
	Acenaphthylene	208-96-8	ND	9.9	ug/l	---				
	Anthracene	120-12-7	ND	9.9	ug/l	---				
	Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	---				
	Benzo[a]pyrene	50-32-8	ND	9.9	ug/l	---				
	Benzo[b]fluoranthene	205-99-2	ND	9.9	ug/l	---				
	Benzo[g,h,i]perylene	191-24-2	ND	9.9	ug/l	---				
	Benzo[k]fluoranthene	207-08-9	ND	9.9	ug/l	---				
	Chrysene	218-01-9	ND	9.9	ug/l	---				
	Dibenz(a,h)anthracene	53-70-3	ND	9.9	ug/l	---				
	Fluoranthene	206-44-0	ND	9.9	ug/l	---				
	Fluorene	86-73-7	0.22	9.9	ug/l	J				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	9.9	ug/l	---				
	Naphthalene	91-20-3	ND	9.9	ug/l	---				
	Phenanthrene	85-01-8	ND	9.9	ug/l	---				
	Pyrene	129-00-0	ND	9.9	ug/l	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	2900	2500	ug/l	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	1.6	0.10	mg/l	---				
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2	ND	10	ug/l	---				
	Barium - Dissolved	7440-39-3	200	200	ug/l	---				
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---				
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---				
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---				
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---				
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---				
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---				

December 12, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 5690-1
Sample date: 2011-11-07
Report received by Enovis: 2011-12-09
Initial Data Verification completed by Enovis: 2011-12-12

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

4 Water sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC VOC, GC Other and Metals parameter(s). 1 Trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for acetone. Client samples -003, -004 and -005 acetone results should all be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank had a detection for acetone that was qualified as non-detect at the RL due to associated method blank detections. There were no other detections for the trip blank.

GCMS VOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for tert-butylbenzene. Client sample -003 results for this analyte should be considered to be estimated and qualified with a UJ flag. Ethyl benzene and p,m-xylenes MS or MSD recoveries but not both were outliers biased high so qualification was not required based on these QC outliers alone.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low but greater than 10% for 1 out of 3 base-neutral fraction surrogates in client samples -001, -003, -004 and the MS for -003 and the MSD for -003RE. Qualification of client sample results was not required based on these QC outliers alone.

GCMS SVOC MS/MSD reanalysis for client sample -003 were prepared outside of the EPA recommended hold time. GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for the following analytes which should all be considered to be estimated and qualified with UJ flags:
2,4-dinitrophenol, 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene (RPD outlier also), benzo(ghi)perylene, butylbenzylphthalate, caprolactam, chrysene (RPD outlier also), di-n-octylphthalate, dibenzo(ah)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, n-nitrosodinpropylamine, pentachorophenol and pyrene.
The following analytes should be considered to be estimated and qualified with a J flag:
bis-2-ethylhexylphthalate.
MS or MSD recoveries only but not both were outliers biased low for benzo(k)fluoranthene, dinbutylphthalate, hexachlorobenzene and 4nitroaniline. Hexachloroethane recovery was biased high. Qualification of client sample results was not required based on these recovery outliers alone.

PCB surrogate recoveries were outliers biased low and less than 10% for 1 out of 2 surrogates in client sample -003RE and -003 original analysis. The re-analysis was prepped outside of the EPA recommended hold time so these results should be considered to be estimated and qualified with UJ flags. The original analysis was associated with MS/MSD spike concentrations that were not according to the method/project requirements. The MS/MSD re-analyses were prepped outside of the EPA recommended holding time and included MSD recovery outlier for aroclor 1016 and MS/MSD RPD outliers for aroclor 1016 and 1260.

DRO MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased high. Client sample -003 DRO results should be considered to be estimated and qualified with J flags.

GRO MS/MSD recoveries performed on client sample -003 were diluted to below reliably quantifiable levels and were not used to qualify client sample results.

GRO and DRO sample data did not include the associated surrogate recoveries.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 5690-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy(D)	Mercury (Manual Cold Vapor)(D)
24056901	AMW-16	11/7/2011	11:00:00	X	X		X	X	X	
24056902	AMW-17	11/7/2011	12:20:00	X	X		X	X	X	
24056903	AMW-14	11/7/2011	3:00:00	X	X	X	X	X	X	X
24056904	AMW-12	11/7/2011	4:25:00	X	X		X	X	X	X
24056905	TRIP BLANK OD8(20111107)	11/7/2011	12:00:00	X						

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-14				AMW-12				TRIP BLANK OD8(20111107)			
		Lab Sample ID:	24056903				24056904				24056905			
		Sample Date:	11/7/2011				11/7/2011				11/7/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
	OSW-8260B													
	Acetone	67-64-1	17	120	ug/l	UB	73	560	ug/l	UB	1.5	10	ug/l	UB
	tert-Butylbenzene	98-06-6	ND	12	ug/l	UJ								
GC/MS SVOC														
	OSW-8270C													
	2,4-Dinitrophenol	51-28-5	ND	5.0	ug/l	UJ								
	4,6-Dinitro-2-methylphenol	534-52-1	ND	5.0	ug/l	UJ								
	Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	UJ								
	Benzo[a]pyrene	50-32-8	ND	0.20	ug/l	UJ								
	Benzo[b]fluoranthene	205-99-2	ND	0.20	ug/l	UJ								
	Benzo[g,h,i]perylene	191-24-2	ND	0.20	ug/l	UJ								
	Bis(2-ethylhexyl) phthalate	117-81-7	0.80	2.0	ug/l	J								
	Butyl benzyl phthalate	85-68-7	ND	1.0	ug/l	UJ								
	Caprolactam	105-60-2	ND	5.0	ug/l	UJ								
	Chrysene	218-01-9	ND	0.20	ug/l	UJ								
	Di-n-octyl phthalate	117-84-0	ND	1.0	ug/l	UJ								
	Dibenz(a,h)anthracene	53-70-3	ND	0.20	ug/l	UJ								
	Fluoranthene	206-44-0	ND	0.20	ug/l	UJ								
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.20	ug/l	UJ								
	N-Nitrosodi-n-propylamine	621-64-7	ND	1.0	ug/l	UJ								
	Pentachlorophenol	87-86-5	ND	5.0	ug/l	UJ								
	Pyrene	129-00-0	ND	0.20	ug/l	UJ								
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	0.11	ug/l	UJ								
	Aroclor-1221	11104-28-2	ND	0.11	ug/l	UJ								
	Aroclor-1232	11141-16-5	ND	0.11	ug/l	UJ								
	Aroclor-1242	53469-21-9	ND	0.11	ug/l	UJ								
	Aroclor-1248	12672-29-6	ND	0.11	ug/l	UJ								
	Aroclor-1254	11097-69-1	ND	0.11	ug/l	UJ								
	Aroclor-1260	11096-82-5	ND	0.11	ug/l	UJ								
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	1.1	0.10	mg/l	J								

GCMS VOC method blank had a detection below the RL for acetone. Client samples -003, -004 and -005 acetone results should all be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for tert-butylbenzene. Client sample -003 results for this analyte should be considered to be estimated and qualified with a UJ flag.

GCMS SVOC MS/MSD reanalysis for client sample -003 were prepared outside of the EPA recommended hold time. GCMS SVOC MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased low for the following analytes which should all be considered to be estimated and qualified with UJ flags:

2,4-dinitrophenol, 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene (RPD outlier also), benzo(ghi)perylene, butylbenzylphthalate, caprolactam, chrysene (RPD outlier also), di-n-octylphthalate, dibenzo(ah)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, n-nitrosodinpropylamine, pentachorophenol and pyrene.
The following analytes should be considered to be estimated and qualified with a J flag:
bis-2-ethylhexylphthalate.

PCB surrogate recoveries were outliers biased low and less than 10% for 1 out of 2 surrogates in client sample -003RE and -003 original analysis. The re-analysis was prepped outside of the EPA recommended hold time so these results should be considered to be estimated and qualified with UJ flags. The original analysis was associated with MS/MSD spike concentrations that were not according to the method/project requirements. The MS/MSD re-analyses were prepped outside of the EPA recommended holding time and included MSD recovery outlier for aroclor 1016 and MS/MSD RPD outliers for aroclor 1016 and 1260.

DRO MS/MSD recoveries performed on client sample -003 were outside of laboratory control limits biased high. Client sample -003 DRO results should be considered to be estimated and qualified with J flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-16				AMW-17			
		Lab Sample ID:	24056901				24056902			
		Sample Date:	11/7/2011				11/7/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	67	ug/l	---	ND	14	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	67	ug/l	---	ND	14	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	67	ug/l	---	ND	14	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	67	ug/l	---	ND	14	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	67	ug/l	---	ND	14	ug/l	---
1,1-Dichloroethane	75-34-3	ND	67	ug/l	---	ND	14	ug/l	---
1,1-Dichloroethene	75-35-4	ND	67	ug/l	---	ND	14	ug/l	---
1,1-Dichloropropene	563-58-6	ND	67	ug/l	---	ND	14	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	67	ug/l	---	ND	14	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	67	ug/l	---	ND	14	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	67	ug/l	---	ND	14	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	1500	67	ug/l	---	ND	14	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	130	ug/l	---	ND	29	ug/l	---
1,2-Dibromoethane	106-93-4	ND	67	ug/l	---	ND	14	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	67	ug/l	---	ND	14	ug/l	---
1,2-Dichloroethane	107-06-2	ND	67	ug/l	---	ND	14	ug/l	---
1,2-Dichloropropane	78-87-5	ND	67	ug/l	---	ND	14	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	330	67	ug/l	---	ND	14	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	67	ug/l	---	ND	14	ug/l	---
1,3-Dichloropropane	142-28-9	ND	67	ug/l	---	ND	14	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	67	ug/l	---	ND	14	ug/l	---
2,2-Dichloropropane	594-20-7	ND	67	ug/l	---	ND	14	ug/l	---
2-Butanone (MEK)	78-93-3	ND	670	ug/l	---	23	140	ug/l	J
2-Chlorotoluene	95-49-8	ND	67	ug/l	---	ND	14	ug/l	---
2-Hexanone	591-78-6	ND	670	ug/l	---	ND	140	ug/l	---
4-Chlorotoluene	106-43-4	ND	67	ug/l	---	ND	14	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	670	ug/l	---	ND	140	ug/l	---
Acetone	67-64-1	430	670	ug/l	J	340	140	ug/l	---
Allyl chloride	107-05-1	ND	130	ug/l	---	ND	29	ug/l	---
Benzene	71-43-2	ND	67	ug/l	---	52	14	ug/l	---
Bromobenzene	108-86-1	ND	67	ug/l	---	ND	14	ug/l	---
Bromochloromethane	74-97-5	ND	67	ug/l	---	ND	14	ug/l	---
Bromodichloromethane	75-27-4	ND	67	ug/l	---	ND	14	ug/l	---
Bromoform	75-25-2	ND	67	ug/l	---	ND	14	ug/l	---
Bromomethane	74-83-9	ND	67	ug/l	---	ND	14	ug/l	---
Carbon disulfide	75-15-0	ND	67	ug/l	---	ND	14	ug/l	---
Carbon tetrachloride	56-23-5	ND	67	ug/l	---	ND	14	ug/l	---
Chlorobenzene	108-90-7	ND	67	ug/l	---	ND	14	ug/l	---
Chlorodibromomethane	124-48-1	ND	67	ug/l	---	ND	14	ug/l	---
Chloroethane	75-00-3	ND	67	ug/l	---	ND	14	ug/l	---
Chloroform	67-66-3	ND	67	ug/l	---	ND	14	ug/l	---
Chloromethane	74-87-3	ND	67	ug/l	---	ND	14	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	67	ug/l	---	ND	14	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	67	ug/l	---	ND	14	ug/l	---
Cyclohexane	110-82-7	380	67	ug/l	---	290	14	ug/l	---
Dibromomethane	74-95-3	ND	67	ug/l	---	ND	14	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	67	ug/l	---	ND	14	ug/l	---
Dichlorofluoromethane	75-43-4	ND	130	ug/l	---	ND	29	ug/l	---
Ethyl ether	60-29-7	ND	130	ug/l	---	ND	29	ug/l	---
Ethylbenzene	100-41-4	1400	67	ug/l	---	78	14	ug/l	---
Hexachlorobutadiene	87-68-3	ND	67	ug/l	---	ND	14	ug/l	---
Isopropylbenzene	98-82-8	68	67	ug/l	---	49	14	ug/l	---
m-Xylene & p-Xylene	179601-23-1	3000	130	ug/l	---	21	29	ug/l	J
Methyl acetate	79-20-9	ND	670	ug/l	---	ND	140	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	330	ug/l	---	ND	71	ug/l	---
Methylcyclohexane	108-87-2	100	67	ug/l	---	55	14	ug/l	---
Methylene Chloride	75-09-2	ND	67	ug/l	---	ND	14	ug/l	---
n-Butylbenzene	104-51-8	39	67	ug/l	J	8.4	14	ug/l	J
N-Propylbenzene	103-65-1	230	67	ug/l	---	150	14	ug/l	---
Naphthalene	91-20-3	150	67	ug/l	---	28	14	ug/l	---
o-Xylene	95-47-6	900	67	ug/l	---	ND	14	ug/l	---
p-Isopropyltoluene	99-87-6	ND	67	ug/l	---	43	14	ug/l	---
sec-Butylbenzene	135-98-8	ND	67	ug/l	---	5.2	14	ug/l	J
Styrene	100-42-5	ND	67	ug/l	---	ND	14	ug/l	---
tert-Butylbenzene	98-06-6	ND	67	ug/l	---	ND	14	ug/l	---
Tetrachloroethene	127-18-4	ND	67	ug/l	---	ND	14	ug/l	---
Tetrahydrofuran	109-99-9	ND	330	ug/l	---	ND	71	ug/l	---
Toluene	108-88-3	73	67	ug/l	---	14	14	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	67	ug/l	---	ND	14	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	67	ug/l	---	ND	14	ug/l	---
Trichloroethene	79-01-6	ND	67	ug/l	---	ND	14	ug/l	---
Trichlorofluoromethane	75-69-4	ND	67	ug/l	---	ND	14	ug/l	---
Vinyl chloride	75-01-4	ND	67	ug/l	---	ND	14	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-16				AMW-17			
		Lab Sample ID:	24056901				24056902			
		Sample Date:	11/7/2011				11/7/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4								
2,2'-oxybis[1-chloropropane]	108-60-1								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								
2,4-Dichlorophenol	120-83-2								
2,4-Dimethylphenol	105-67-9								
2,4-Dinitrophenol	51-28-5								
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Chlorophenol	95-57-8								
2-Methylnaphthalene	91-57-6	27	42	ug/l	J	4.3	10	ug/l	J
2-Methylphenol	95-48-7								
2-Nitroaniline	88-74-4								
2-Nitrophenol	88-75-5								
3 & 4 Methylphenol	65794-96-9								
3,3'-Dichlorobenzidine	91-94-1								
3-Nitroaniline	99-09-2								
4,6-Dinitro-2-methylphenol	534-52-1								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloro-3-methylphenol	59-50-7								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
4-Nitrophenol	100-02-7								
Acenaphthene	83-32-9	ND	42	ug/l	---	ND	10	ug/l	---
Acenaphthylene	208-96-8	ND	42	ug/l	---	ND	10	ug/l	---
Acetophenone	98-86-2								
Anthracene	120-12-7	ND	42	ug/l	---	ND	10	ug/l	---
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3	ND	0.83	ug/l	---	ND	0.21	ug/l	---
Benzo[a]pyrene	50-32-8	ND	42	ug/l	---	ND	10	ug/l	---
Benzo[b]fluoranthene	205-99-2	ND	42	ug/l	---	ND	10	ug/l	---
Benzo[g,h,i]perylene	191-24-2	ND	42	ug/l	---	ND	10	ug/l	---
Benzo[k]fluoranthene	207-08-9	ND	42	ug/l	---	ND	10	ug/l	---
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9	ND	42	ug/l	---	ND	10	ug/l	---
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3	ND	42	ug/l	---	ND	10	ug/l	---
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0	ND	42	ug/l	---	ND	10	ug/l	---
Fluorene	86-73-7	ND	42	ug/l	---	0.14	10	ug/l	J
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5	ND	42	ug/l	---	ND	10	ug/l	---
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3	89	42	ug/l	---	14	10	ug/l	---
Nitrobenzene	98-95-3								
Pentachlorophenol	87-86-5								
Phenanthrene	85-01-8	ND	42	ug/l	---	ND	10	ug/l	---
Phenol	108-95-2								
Pyrene	129-00-0	ND	42	ug/l	---	ND	10	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-16				AMW-17			
		Lab Sample ID:	24056901				24056902			
		Sample Date:	11/7/2011				11/7/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2								
	Aroclor-1221	11104-28-2								
	Aroclor-1232	11141-16-5								
	Aroclor-1242	53469-21-9								
	Aroclor-1248	12672-29-6								
	Aroclor-1254	11097-69-1								
	Aroclor-1260	11096-82-5								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	15000	1000	ug/l	---	3200	1000	ug/l	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	1.2	0.10	mg/l	---	0.82	0.10	mg/l	---
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-14				AMW-12			
		Lab Sample ID:	24056903				24056904			
		Sample Date:	11/7/2011				11/7/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	12	ug/l	---	ND	56	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	12	ug/l	---	ND	56	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	12	ug/l	---	ND	56	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	12	ug/l	---	ND	56	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	12	ug/l	---	ND	56	ug/l	---
1,1-Dichloroethane	75-34-3	ND	12	ug/l	---	ND	56	ug/l	---
1,1-Dichloroethene	75-35-4	ND	12	ug/l	---	ND	56	ug/l	---
1,1-Dichloropropene	563-58-6	ND	12	ug/l	---	ND	56	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	12	ug/l	---	ND	56	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	12	ug/l	---	ND	56	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	12	ug/l	---	ND	56	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	120	12	ug/l	---	680	56	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	24	ug/l	---	ND	110	ug/l	---
1,2-Dibromoethane	106-93-4	ND	12	ug/l	---	ND	56	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	12	ug/l	---	ND	56	ug/l	---
1,2-Dichloroethane	107-06-2	ND	12	ug/l	---	ND	56	ug/l	---
1,2-Dichloropropane	78-87-5	ND	12	ug/l	---	ND	56	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	27	12	ug/l	---	110	56	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	12	ug/l	---	ND	56	ug/l	---
1,3-Dichloropropane	142-28-9	ND	12	ug/l	---	ND	56	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	12	ug/l	---	ND	56	ug/l	---
2,2-Dichloropropane	594-20-7	ND	12	ug/l	---	ND	56	ug/l	---
2-Butanone (MEK)	78-93-3	ND	120	ug/l	---	ND	560	ug/l	---
2-Chlorotoluene	95-49-8	ND	12	ug/l	---	ND	56	ug/l	---
2-Hexanone	591-78-6	ND	120	ug/l	---	ND	560	ug/l	---
4-Chlorotoluene	106-43-4	ND	12	ug/l	---	ND	56	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	120	ug/l	---	ND	560	ug/l	---
Acetone	67-64-1	17	120	ug/l	UB	73	560	ug/l	UB
Allyl chloride	107-05-1	ND	24	ug/l	---	ND	110	ug/l	---
Benzene	71-43-2	ND	12	ug/l	---	32	56	ug/l	J
Bromobenzene	108-86-1	ND	12	ug/l	---	ND	56	ug/l	---
Bromochloromethane	74-97-5	ND	12	ug/l	---	ND	56	ug/l	---
Bromodichloromethane	75-27-4	ND	12	ug/l	---	ND	56	ug/l	---
Bromoform	75-25-2	ND	12	ug/l	---	ND	56	ug/l	---
Bromomethane	74-83-9	ND	12	ug/l	---	ND	56	ug/l	---
Carbon disulfide	75-15-0	ND	12	ug/l	---	ND	56	ug/l	---
Carbon tetrachloride	56-23-5	ND	12	ug/l	---	ND	56	ug/l	---
Chlorobenzene	108-90-7	ND	12	ug/l	---	ND	56	ug/l	---
Chlorodibromomethane	124-48-1	ND	12	ug/l	---	ND	56	ug/l	---
Chloroethane	75-00-3	ND	12	ug/l	---	ND	56	ug/l	---
Chloroform	67-66-3	ND	12	ug/l	---	ND	56	ug/l	---
Chloromethane	74-87-3	ND	12	ug/l	---	ND	56	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	12	ug/l	---	ND	56	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	12	ug/l	---	ND	56	ug/l	---
Cyclohexane	110-82-7	19	12	ug/l	---	120	56	ug/l	---
Dibromomethane	74-95-3	ND	12	ug/l	---	ND	56	ug/l	---
Dichlorodifluoromethane	75-71-8	19	12	ug/l	---	ND	56	ug/l	---
Dichlorofluoromethane	75-43-4	ND	24	ug/l	---	ND	110	ug/l	---
Ethyl ether	60-29-7	ND	24	ug/l	---	ND	110	ug/l	---
Ethylbenzene	100-41-4	220	12	ug/l	---	1200	56	ug/l	---
Hexachlorobutadiene	87-68-3	ND	12	ug/l	---	ND	56	ug/l	---
Isopropylbenzene	98-82-8	19	12	ug/l	---	150	56	ug/l	---
m-Xylene & p-Xylene	179601-23-1	570	24	ug/l	---	2300	110	ug/l	---
Methyl acetate	79-20-9	ND	120	ug/l	---	ND	560	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	59	ug/l	---	ND	280	ug/l	---
Methylcyclohexane	108-87-2	11	12	ug/l	J	73	56	ug/l	---
Methylene Chloride	75-09-2	ND	12	ug/l	---	ND	56	ug/l	---
n-Butylbenzene	104-51-8	19	12	ug/l	---	84	56	ug/l	---
N-Propylbenzene	103-65-1	13	12	ug/l	---	150	56	ug/l	---
Naphthalene	91-20-3	16	12	ug/l	---	270	56	ug/l	---
o-Xylene	95-47-6	140	12	ug/l	---	260	56	ug/l	---
p-Isopropyltoluene	99-87-6	4.3	12	ug/l	J	ND	56	ug/l	---
sec-Butylbenzene	135-98-8	6.3	12	ug/l	J	22	56	ug/l	J
Styrene	100-42-5	ND	12	ug/l	---	ND	56	ug/l	---
tert-Butylbenzene	98-06-6	ND	12	ug/l	UJ	ND	56	ug/l	---
Tetrachloroethene	127-18-4	ND	12	ug/l	---	ND	56	ug/l	---
Tetrahydrofuran	109-99-9	ND	59	ug/l	---	ND	280	ug/l	---
Toluene	108-88-3	ND	12	ug/l	---	ND	56	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	12	ug/l	---	ND	56	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	12	ug/l	---	ND	56	ug/l	---
Trichloroethene	79-01-6	ND	12	ug/l	---	ND	56	ug/l	---
Trichlorofluoromethane	75-69-4	ND	12	ug/l	---	ND	56	ug/l	---
Vinyl chloride	75-01-4	ND	12	ug/l	---	ND	56	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-14				AMW-12			
		Lab Sample ID:	24056903				24056904			
		Sample Date:	11/7/2011				11/7/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4	ND	1.0	ug/l	---				
2,2'-oxybis[1-chloropropane]	108-60-1	ND	1.0	ug/l	---				
2,4,5-Trichlorophenol	95-95-4	ND	5.0	ug/l	---				
2,4,6-Trichlorophenol	88-06-2	ND	5.0	ug/l	---				
2,4-Dichlorophenol	120-83-2	ND	2.0	ug/l	---				
2,4-Dimethylphenol	105-67-9	5.1	2.0	ug/l	---				
2,4-Dinitrophenol	51-28-5	ND	5.0	ug/l	UJ				
2,4-Dinitrotoluene	121-14-2	ND	5.0	ug/l	---				
2,6-Dinitrotoluene	606-20-2	ND	5.0	ug/l	---				
2-Chloronaphthalene	91-58-7	ND	1.0	ug/l	---				
2-Chlorophenol	95-57-8	ND	1.0	ug/l	---				
2-Methylnaphthalene	91-57-6	3.0	0.20	ug/l	---	74	67	ug/l	---
2-Methylphenol	95-48-7	ND	1.0	ug/l	---				
2-Nitroaniline	88-74-4	ND	2.0	ug/l	---				
2-Nitrophenol	88-75-5	ND	2.0	ug/l	---				
3 & 4 Methylphenol	65794-96-9	ND	2.0	ug/l	---				
3,3'-Dichlorobenzidine	91-94-1	ND	5.0	ug/l	---				
3-Nitroaniline	99-09-2	ND	2.0	ug/l	---				
4,6-Dinitro-2-methylphenol	534-52-1	ND	5.0	ug/l	UJ				
4-Bromophenyl phenyl ether	101-55-3	ND	2.0	ug/l	---				
4-Chloro-3-methylphenol	59-50-7	ND	2.0	ug/l	---				
4-Chloroaniline	106-47-8	ND	2.0	ug/l	---				
4-Chlorophenyl phenyl ether	7005-72-3	ND	2.0	ug/l	---				
4-Nitroaniline	100-01-6	ND	2.0	ug/l	---				
4-Nitrophenol	100-02-7	ND	5.0	ug/l	---				
Acenaphthene	83-32-9	ND	0.20	ug/l	---	ND	67	ug/l	---
Acenaphthylene	208-96-8	ND	0.20	ug/l	---	ND	67	ug/l	---
Acetophenone	98-86-2	ND	1.0	ug/l	---				
Anthracene	120-12-7	ND	0.20	ug/l	---	ND	67	ug/l	---
Atrazine	1912-24-9	ND	1.0	ug/l	---				
Benzaldehyde	100-52-7	ND	1.0	ug/l	---				
Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	UJ	ND	1.3	ug/l	---
Benzo[a]pyrene	50-32-8	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Benzo[b]fluoranthene	205-99-2	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Benzo[g,h,i]perylene	191-24-2	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Benzo[k]fluoranthene	207-08-9	ND	0.20	ug/l	---	ND	67	ug/l	---
Bis(2-chloroethoxy)methane	111-91-1	ND	1.0	ug/l	---				
Bis(2-chloroethyl)ether	111-44-4	ND	1.0	ug/l	---				
Bis(2-ethylhexyl) phthalate	117-81-7	0.80	2.0	ug/l	J				
Butyl benzyl phthalate	85-68-7	ND	1.0	ug/l	UJ				
Caprolactam	105-60-2	ND	5.0	ug/l	UJ				
Carbazole	86-74-8	ND	1.0	ug/l	---				
Chrysene	218-01-9	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Di-n-butyl phthalate	84-74-2	ND	1.0	ug/l	---				
Di-n-octyl phthalate	117-84-0	ND	1.0	ug/l	UJ				
Dibenz(a,h)anthracene	53-70-3	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Dibenzofuran	132-64-9	ND	1.0	ug/l	---				
Diethyl phthalate	84-66-2	ND	1.0	ug/l	---				
Dimethyl phthalate	131-11-3	ND	1.0	ug/l	---				
Fluoranthene	206-44-0	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Fluorene	86-73-7	ND	0.20	ug/l	---	ND	67	ug/l	---
Hexachlorobenzene	118-74-1	ND	0.20	ug/l	---				
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---				
Hexachlorocyclopentadiene	77-47-4	ND	10	ug/l	---				
Hexachloroethane	67-72-1	ND	1.0	ug/l	---				
Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.20	ug/l	UJ	ND	67	ug/l	---
Isophorone	78-59-1	ND	1.0	ug/l	---				
N-Nitrosodi-n-propylamine	621-64-7	ND	1.0	ug/l	UJ				
N-Nitrosodiphenylamine	86-30-6	ND	1.0	ug/l	---				
Naphthalene	91-20-3	4.1	0.20	ug/l	---	180	67	ug/l	---
Nitrobenzene	98-95-3	ND	1.0	ug/l	---				
Pentachlorophenol	87-86-5	ND	5.0	ug/l	UJ				
Phenanthrene	85-01-8	ND	0.20	ug/l	---	ND	67	ug/l	---
Phenol	108-95-2	ND	1.0	ug/l	---				
Pyrene	129-00-0	ND	0.20	ug/l	UJ	ND	67	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

		Sample Name:	AMW-14				AMW-12			
		Lab Sample ID:	24056903				24056904			
		Sample Date:	11/7/2011				11/7/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	0.11	ug/l	UJ				
	Aroclor-1221	11104-28-2	ND	0.11	ug/l	UJ				
	Aroclor-1232	11141-16-5	ND	0.11	ug/l	UJ				
	Aroclor-1242	53469-21-9	ND	0.11	ug/l	UJ				
	Aroclor-1248	12672-29-6	ND	0.11	ug/l	UJ				
	Aroclor-1254	11097-69-1	ND	0.11	ug/l	UJ				
	Aroclor-1260	11096-82-5	ND	0.11	ug/l	UJ				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	7600	1000	ug/l	---	13000	1000	ug/l	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	1.1	0.10	mg/l	J	0.62	0.099	mg/l	---
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2	7.8	10	ug/l	J	16	10	ug/l	---
	Barium - Dissolved	7440-39-3	280	200	ug/l	---	460	200	ug/l	---
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---	ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5690-1

Sample Name: TRIP BLANK OD8(20111107)
Lab Sample ID: 24056905
Sample Date: 11/7/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC					
OSW-8260B					
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	---
Acetone	67-64-1	1.5	10	ug/l	UB
Allyl chloride	107-05-1	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---
Toluene	108-88-3	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---

December 02, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 5702-1
Sample date: 2011-11-04
Report received by Enovis: 2011-11-30
Initial Data Verification completed by Enovis: 2011-12-02

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s).
1Trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for naphthalene. Client samples -001, -002 and -005 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank was non-detect for all target analytes tested.

GCMS SVOC surrogate recoveries were diluted to below reliably quantifiable levels and were not used to qualify results for client sample -003.

GCMS SVOC MS/MSD RPD was an outlier for benzo(b)fluoranthene in client sample -004. Qualification of client sample results was not required based on this QC outlier alone.

GRO MS/MSD RPD was an outlier in client sample -004. Qualification of client sample results was not required based on this QC outlier alone.

Metals method blank had detections below the RL for barium, calcium, potassium, magnesium, manganese, silver and nickel. Qualification of client sample results was not required based on these method blank detections.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 5702-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	Semivolatiles by GCMS	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy	Mercury in Solid Waste
24057021	ASB-196_4-6(20111104)	11/4/2011	9:55:00	X	X	X	X	X	X
24057022	ASB-197_4-6(20111104)	11/4/2011	11:05:00	X	X	X	X	X	X
24057023	ASB-198_6-8(20111104)	11/4/2011	1:15:00	X	X	X	X	X	X
24057024	ASB-199_0-2(20111104)	11/4/2011	2:18:00	X	X	X	X	X	
24057025	ASB-199_2-4(20111104)	11/4/2011	2:35:00	X	X	X	X	X	
24057026	ASB-200_0-2(20111104)	11/4/2011	3:18:00	X	X	X	X	X	
24057027	ASB-200_4-6(20111104)	11/4/2011	3:30:00	X	X	X	X	X	
24057028	MB-013(20111104)	11/4/2011	12:00:00	X					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-196_4-6(20111104)				ASB-197_4-6(20111104)				ASB-199_2-4(20111104)			
		Lab Sample ID:	24057021				24057022				24057025			
		Sample Date:	11/4/2011				11/4/2011				11/4/2011			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Naphthalene	91-20-3		16	250	ug/kg	UB	13	270	ug/kg	UB	8.4	270	ug/kg	UB

GCMS VOC method blank had a detection below the RL for naphthalene. Client samples -001, -002 and -005 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-196_4-6(20111104)				ASB-197_4-6(20111104)			
		Lab Sample ID:	24057021				24057022			
		Sample Date:	11/4/2011				11/4/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---	ND	270	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	9.7	250	ug/kg	J	ND	270	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---	ND	530	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---	ND	270	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---	ND	270	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---	ND	270	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---	ND	270	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---	ND	270	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---	ND	270	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---	ND	270	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	990	ug/kg	---	87	1100	ug/kg	J
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---	ND	270	ug/kg	---
2-Hexanone	591-78-6	ND	990	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---	ND	270	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	990	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1	ND	990	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---	ND	530	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---	ND	270	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---	ND	270	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---	ND	270	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---	ND	270	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---	ND	270	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---	ND	270	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---	ND	270	ug/kg	---
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---	ND	270	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---	ND	270	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---	ND	270	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---	ND	270	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---	ND	270	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---	ND	270	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---	ND	270	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---	ND	270	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---	ND	530	ug/kg	---
Dibromomethane	74-95-3	ND	250	ug/kg	---	ND	270	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---	ND	270	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---	ND	530	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---	ND	530	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---	ND	270	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---	ND	270	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---	ND	270	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	7.6	500	ug/kg	J	ND	530	ug/kg	---
Methyl acetate	79-20-9	55	500	ug/kg	J	57	530	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	990	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2	18	500	ug/kg	J	ND	530	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---	ND	270	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---	ND	270	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---	ND	270	ug/kg	---
Naphthalene	91-20-3	16	250	ug/kg	UB	13	270	ug/kg	UB
o-Xylene	95-47-6	ND	250	ug/kg	---	ND	270	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---	ND	270	ug/kg	---
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---	ND	270	ug/kg	---
Styrene	100-42-5	ND	250	ug/kg	---	ND	270	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---	ND	270	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---	ND	270	ug/kg	---
Tetrahydrofuran	109-99-9	ND	990	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	250	ug/kg	---	ND	270	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	270	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	270	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	270	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	270	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	270	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-196_4-6(20111104)				ASB-197_4-6(20111104)			
		Lab Sample ID:	24057021				24057022			
		Sample Date:	11/4/2011				11/4/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,2'-oxybis[1-chloropropane]	108-60-1	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	7400	ug/kg	---	ND	1900	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
2-Chlorophenol	95-57-8	ND	1500	ug/kg	---	ND	390	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	1500	ug/kg	---	ND	390	ug/kg	---
2-Methylphenol	95-48-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
2-Nitroaniline	88-74-4	ND	7400	ug/kg	---	ND	1900	ug/kg	---
2-Nitrophenol	88-75-5	ND	1500	ug/kg	---	ND	390	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	1800	ug/kg	---	ND	480	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	7400	ug/kg	---	ND	1900	ug/kg	---
3-Nitroaniline	99-09-2	ND	7400	ug/kg	---	ND	1900	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	7400	ug/kg	---	ND	1900	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
4-Chloroaniline	106-47-8	ND	1500	ug/kg	---	ND	390	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
4-Nitroaniline	100-01-6	ND	7400	ug/kg	---	ND	1900	ug/kg	---
4-Nitrophenol	100-02-7	ND	7400	ug/kg	---	ND	1900	ug/kg	---
Acenaphthene	83-32-9	ND	1500	ug/kg	---	ND	390	ug/kg	---
Acenaphthylene	208-96-8	ND	1500	ug/kg	---	ND	390	ug/kg	---
Acetophenone	98-86-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Anthracene	120-12-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
Atrazine	1912-24-9	ND	1500	ug/kg	---	ND	390	ug/kg	---
Benzaldehyde	100-52-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
Benzo[a]anthracene	56-55-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	1500	ug/kg	---	ND	390	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	1500	ug/kg	---	ND	390	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1	ND	1500	ug/kg	---	ND	390	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	1500	ug/kg	---	ND	390	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
Butyl benzyl phthalate	85-68-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
Caprolactam	105-60-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Carbazole	86-74-8	ND	1500	ug/kg	---	ND	390	ug/kg	---
Chrysene	218-01-9	ND	1500	ug/kg	---	ND	390	ug/kg	---
Di-n-butyl phthalate	84-74-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Di-n-octyl phthalate	117-84-0	ND	1500	ug/kg	---	ND	390	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
Dibenzofuran	132-64-9	ND	1500	ug/kg	---	ND	390	ug/kg	---
Diethyl phthalate	84-66-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Dimethyl phthalate	131-11-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
Fluoranthene	206-44-0	ND	1500	ug/kg	---	7.4	390	ug/kg	J
Fluorene	86-73-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
Hexachlorobenzene	118-74-1	ND	1500	ug/kg	---	ND	390	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
Hexachlorocyclopentadiene	77-47-4	ND	7400	ug/kg	---	ND	1900	ug/kg	---
Hexachloroethane	67-72-1	ND	1500	ug/kg	---	ND	390	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	1500	ug/kg	---	ND	390	ug/kg	---
Isophorone	78-59-1	ND	1500	ug/kg	---	ND	390	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7	ND	1500	ug/kg	---	ND	390	ug/kg	---
N-Nitrosodiphenylamine	86-30-6	ND	1500	ug/kg	---	ND	390	ug/kg	---
Naphthalene	91-20-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
Nitrobenzene	98-95-3	ND	1500	ug/kg	---	ND	390	ug/kg	---
Pentachlorophenol	87-86-5	ND	1500	ug/kg	---	ND	390	ug/kg	---
Phenanthrene	85-01-8	ND	1500	ug/kg	---	ND	390	ug/kg	---
Phenol	108-95-2	ND	1500	ug/kg	---	ND	390	ug/kg	---
Pyrene	129-00-0	26	1500	ug/kg	J	6.2	390	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

			Sample Name:	ASB-196_4-6(20111104)				ASB-197_4-6(20111104)			
			Lab Sample ID:	24057021				24057022			
			Sample Date:	11/4/2011				11/4/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	11	mg/kg	---	ND	12	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	38	9.1	mg/kg	---	3.6	9.5	mg/kg	J
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	7400	23	mg/kg	---	8000	20	mg/kg	---
	Antimony	7440-36-0	0.93	1.1	mg/kg	J	ND	1.0	mg/kg	---
	Arsenic	7440-38-2	3.9	1.1	mg/kg	---	4.3	1.0	mg/kg	---
	Barium	7440-39-3	31	23	mg/kg	---	27	20	mg/kg	---
	Beryllium	7440-41-7	0.39	0.57	mg/kg	J	0.56	0.51	mg/kg	---
	Cadmium	7440-43-9	ND	0.23	mg/kg	---	ND	0.20	mg/kg	---
	Calcium	7440-70-2	36000	570	mg/kg	---	19000	510	mg/kg	---
	Chromium	7440-47-3	15	0.57	mg/kg	---	14	0.51	mg/kg	---
	Cobalt	7440-48-4	7.8	5.7	mg/kg	---	12	5.1	mg/kg	---
	Copper	7440-50-8	14	2.9	mg/kg	---	22	2.5	mg/kg	---
	Iron	7439-89-6	16000	11	mg/kg	---	14000	10	mg/kg	---
	Lead	7439-92-1	9.0	0.34	mg/kg	---	3.2	0.31	mg/kg	---
	Magnesium	7439-95-4	6700	570	mg/kg	---	10000	510	mg/kg	---
	Manganese	7439-96-5	220	1.7	mg/kg	---	260	1.5	mg/kg	---
	Nickel	7440-02-0	18	4.6	mg/kg	---	23	4.1	mg/kg	---
	Potassium	7440-09-7	2700	570	mg/kg	---	4400	510	mg/kg	---
	Selenium	7782-49-2	ND	0.57	mg/kg	---	ND	0.51	mg/kg	---
	Silver	7440-22-4	ND	0.57	mg/kg	---	ND	0.51	mg/kg	---
	Sodium	7440-23-5	ND	570	mg/kg	---	69	510	mg/kg	J
	Thallium	7440-28-0	1.1	1.1	mg/kg	---	1.2	1.0	mg/kg	---
	Vanadium	7440-62-2	12	5.7	mg/kg	---	4.7	5.1	mg/kg	J
	Zinc	7440-66-6	26	2.3	mg/kg	---	22	2.0	mg/kg	---
	OSW-7471A									
	Mercury	7439-97-6	ND	0.11	mg/kg	---	ND	0.11	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-198_6-8(20111104)				ASB-199_0-2(20111104)			
		Lab Sample ID:	24057023				24057024			
		Sample Date:	11/4/2011				11/4/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	280	ug/kg	---	ND	260	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	20	280	ug/kg	J	ND	260	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	570	ug/kg	---	ND	520	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	280	ug/kg	---	ND	260	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	280	ug/kg	---	ND	260	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	280	ug/kg	---	ND	260	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	280	ug/kg	---	ND	260	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	280	ug/kg	---	ND	260	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	280	ug/kg	---	ND	260	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	280	ug/kg	---	ND	260	ug/kg	---
2-Butanone (MEK)	78-93-3	120	1100	ug/kg	J	88	1000	ug/kg	J
2-Chlorotoluene	95-49-8	ND	280	ug/kg	---	ND	260	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	280	ug/kg	---	ND	260	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	570	ug/kg	---	ND	520	ug/kg	---
Benzene	71-43-2	ND	280	ug/kg	---	ND	260	ug/kg	---
Bromobenzene	108-86-1	ND	280	ug/kg	---	ND	260	ug/kg	---
Bromochloromethane	74-97-5	ND	280	ug/kg	---	ND	260	ug/kg	---
Bromodichloromethane	75-27-4	ND	280	ug/kg	---	ND	260	ug/kg	---
Bromoform	75-25-2	ND	280	ug/kg	---	ND	260	ug/kg	---
Bromomethane	74-83-9	ND	280	ug/kg	---	ND	260	ug/kg	---
Carbon disulfide	75-15-0	54	280	ug/kg	J	ND	260	ug/kg	---
Carbon tetrachloride	56-23-5	ND	280	ug/kg	---	ND	260	ug/kg	---
Chlorobenzene	108-90-7	ND	280	ug/kg	---	ND	260	ug/kg	---
Chlorodibromomethane	124-48-1	ND	280	ug/kg	---	ND	260	ug/kg	---
Chloroethane	75-00-3	ND	280	ug/kg	---	ND	260	ug/kg	---
Chloroform	67-66-3	ND	280	ug/kg	---	ND	260	ug/kg	---
Chloromethane	74-87-3	ND	280	ug/kg	---	ND	260	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	280	ug/kg	---	ND	260	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	280	ug/kg	---	ND	260	ug/kg	---
Cyclohexane	110-82-7	ND	570	ug/kg	---	ND	520	ug/kg	---
Dibromomethane	74-95-3	ND	280	ug/kg	---	ND	260	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	280	ug/kg	---	ND	260	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	570	ug/kg	---	ND	520	ug/kg	---
Ethyl ether	60-29-7	ND	570	ug/kg	---	ND	520	ug/kg	---
Ethylbenzene	100-41-4	10	280	ug/kg	J	ND	260	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	280	ug/kg	---	ND	260	ug/kg	---
Isopropylbenzene	98-82-8	ND	280	ug/kg	---	ND	260	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	38	570	ug/kg	J	ND	520	ug/kg	---
Methyl acetate	79-20-9	220	570	ug/kg	J	57	520	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	91	570	ug/kg	J	ND	520	ug/kg	---
Methylene Chloride	75-09-2	ND	280	ug/kg	---	ND	260	ug/kg	---
n-Butylbenzene	104-51-8	ND	280	ug/kg	---	ND	260	ug/kg	---
N-Propylbenzene	103-65-1	ND	280	ug/kg	---	ND	260	ug/kg	---
Naphthalene	91-20-3	76	280	ug/kg	J	ND	260	ug/kg	---
o-Xylene	95-47-6	28	280	ug/kg	J	ND	260	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	280	ug/kg	---	ND	260	ug/kg	---
sec-Butylbenzene	135-98-8	ND	280	ug/kg	---	ND	260	ug/kg	---
Styrene	100-42-5	ND	280	ug/kg	---	ND	260	ug/kg	---
tert-Butylbenzene	98-06-6	ND	280	ug/kg	---	ND	260	ug/kg	---
Tetrachloroethene	127-18-4	ND	280	ug/kg	---	ND	260	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Toluene	108-88-3	34	280	ug/kg	J	ND	260	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	280	ug/kg	---	ND	260	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	280	ug/kg	---	ND	260	ug/kg	---
Trichloroethene	79-01-6	ND	280	ug/kg	---	ND	260	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	280	ug/kg	---	ND	260	ug/kg	---
Vinyl chloride	75-01-4	ND	280	ug/kg	---	ND	260	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

			Sample Name:	ASB-198_6-8(20111104)			ASB-199_0-2(20111104)			
			Lab Sample ID:	24057023			24057024			
			Sample Date:	11/4/2011			11/4/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
OSW-8270C										
	1,1'-Biphenyl	92-52-4	ND	39000	ug/kg	---				
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	39000	ug/kg	---				
	2,4,5-Trichlorophenol	95-95-4	ND	39000	ug/kg	---				
	2,4,6-Trichlorophenol	88-06-2	ND	39000	ug/kg	---				
	2,4-Dichlorophenol	120-83-2	ND	39000	ug/kg	---				
	2,4-Dimethylphenol	105-67-9	ND	39000	ug/kg	---				
	2,4-Dinitrophenol	51-28-5	ND	190000	ug/kg	---				
	2,4-Dinitrotoluene	121-14-2	ND	39000	ug/kg	---				
	2,6-Dinitrotoluene	606-20-2	ND	39000	ug/kg	---				
	2-Chloronaphthalene	91-58-7	ND	39000	ug/kg	---				
	2-Chlorophenol	95-57-8	ND	39000	ug/kg	---				
	2-Methylnaphthalene	91-57-6	4000	39000	ug/kg	J	ND	370	ug/kg	---
	2-Methylphenol	95-48-7	ND	39000	ug/kg	---				
	2-Nitroaniline	88-74-4	ND	190000	ug/kg	---				
	2-Nitrophenol	88-75-5	ND	39000	ug/kg	---				
	3 & 4 Methylphenol	65794-96-9	ND	47000	ug/kg	---				
	3,3'-Dichlorobenzidine	91-94-1	ND	190000	ug/kg	---				
	3-Nitroaniline	99-09-2	ND	190000	ug/kg	---				
	4,6-Dinitro-2-methylphenol	534-52-1	ND	190000	ug/kg	---				
	4-Bromophenyl phenyl ether	101-55-3	ND	39000	ug/kg	---				
	4-Chloro-3-methylphenol	59-50-7	ND	39000	ug/kg	---				
	4-Chloroaniline	106-47-8	ND	39000	ug/kg	---				
	4-Chlorophenyl phenyl ether	7005-72-3	ND	39000	ug/kg	---				
	4-Nitroaniline	100-01-6	ND	190000	ug/kg	---				
	4-Nitrophenol	100-02-7	ND	190000	ug/kg	---				
	Acenaphthene	83-32-9	14000	39000	ug/kg	J	ND	370	ug/kg	---
	Acenaphthylene	208-96-8	ND	39000	ug/kg	---	ND	370	ug/kg	---
	Acetophenone	98-86-2	ND	39000	ug/kg	---				
	Anthracene	120-12-7	20000	39000	ug/kg	J	ND	370	ug/kg	---
	Atrazine	1912-24-9	ND	39000	ug/kg	---				
	Benzaldehyde	100-52-7	ND	39000	ug/kg	---				
	Benzo[a]anthracene	56-55-3	54000	39000	ug/kg	---	19	370	ug/kg	J
	Benzo[a]pyrene	50-32-8	43000	39000	ug/kg	---	21	370	ug/kg	J
	Benzo[b]fluoranthene	205-99-2	64000	39000	ug/kg	---	34	370	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	25000	39000	ug/kg	J	20	370	ug/kg	J
	Benzo[k]fluoranthene	207-08-9	17000	39000	ug/kg	J	4.9	370	ug/kg	J
	Bis(2-chloroethoxy)methane	111-91-1	ND	39000	ug/kg	---				
	Bis(2-chloroethyl)ether	111-44-4	ND	39000	ug/kg	---				
	Bis(2-ethylhexyl) phthalate	117-81-7	ND	39000	ug/kg	---				
	Butyl benzyl phthalate	85-68-7	ND	39000	ug/kg	---				
	Caprolactam	105-60-2	ND	39000	ug/kg	---				
	Carbazole	86-74-8	11000	39000	ug/kg	J				
	Chrysene	218-01-9	50000	39000	ug/kg	---	24	370	ug/kg	J
	Di-n-butyl phthalate	84-74-2	ND	39000	ug/kg	---				
	Di-n-octyl phthalate	117-84-0	ND	39000	ug/kg	---				
	Dibenz(a,h)anthracene	53-70-3	7600	39000	ug/kg	J	ND	370	ug/kg	---
	Dibenzofuran	132-64-9	6500	39000	ug/kg	J				
	Diethyl phthalate	84-66-2	ND	39000	ug/kg	---				
	Dimethyl phthalate	131-11-3	ND	39000	ug/kg	---				
	Fluoranthene	206-44-0	130000	39000	ug/kg	---	39	370	ug/kg	J
	Fluorene	86-73-7	14000	39000	ug/kg	J	ND	370	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	39000	ug/kg	---				
	Hexachlorobutadiene	87-68-3	ND	39000	ug/kg	---				
	Hexachlorocyclopentadiene	77-47-4	ND	190000	ug/kg	---				
	Hexachloroethane	67-72-1	ND	39000	ug/kg	---				
	Indeno[1,2,3-cd]pyrene	193-39-5	21000	39000	ug/kg	J	13	370	ug/kg	J
	Isophorone	78-59-1	ND	39000	ug/kg	---				
	N-Nitrosodi-n-propylamine	621-64-7	ND	39000	ug/kg	---				
	N-Nitrosodiphenylamine	86-30-6	ND	39000	ug/kg	---				
	Naphthalene	91-20-3	7500	39000	ug/kg	J	ND	370	ug/kg	---
	Nitrobenzene	98-95-3	ND	39000	ug/kg	---				
	Pentachlorophenol	87-86-5	ND	39000	ug/kg	---				
	Phenanthrene	85-01-8	88000	39000	ug/kg	---	14	370	ug/kg	J
	Phenol	108-95-2	ND	39000	ug/kg	---				
	Pyrene	129-00-0	83000	39000	ug/kg	---	29	370	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

			Sample Name:	ASB-198_6-8(20111104)			ASB-199_0-2(20111104)			
			Lab Sample ID:	24057023			24057024			
			Sample Date:	11/4/2011			11/4/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	11	mg/kg	---	ND	11	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	57	9.7	mg/kg	---	4.3	9.2	mg/kg	J
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	4900	23	mg/kg	---				
	Antimony	7440-36-0	1.3	1.1	mg/kg	---				
	Arsenic	7440-38-2	11	1.1	mg/kg	---				
	Barium	7440-39-3	170	23	mg/kg	---				
	Beryllium	7440-41-7	0.14	0.57	mg/kg	J				
	Cadmium	7440-43-9	0.48	0.23	mg/kg	---				
	Calcium	7440-70-2	15000	570	mg/kg	---				
	Chromium	7440-47-3	12	0.57	mg/kg	---				
	Cobalt	7440-48-4	4.9	5.7	mg/kg	J				
	Copper	7440-50-8	19	2.8	mg/kg	---				
	Iron	7439-89-6	10000	11	mg/kg	---				
	Lead	7439-92-1	130	0.34	mg/kg	---	9.8	0.32	mg/kg	---
	Magnesium	7439-95-4	4200	570	mg/kg	---				
	Manganese	7439-96-5	380	1.7	mg/kg	---				
	Nickel	7440-02-0	12	4.6	mg/kg	---				
	Potassium	7440-09-7	670	570	mg/kg	---				
	Selenium	7782-49-2	ND	0.57	mg/kg	---				
	Silver	7440-22-4	ND	0.57	mg/kg	---				
	Sodium	7440-23-5	120	570	mg/kg	J				
	Thallium	7440-28-0	0.99	1.1	mg/kg	J				
	Vanadium	7440-62-2	15	5.7	mg/kg	---				
	Zinc	7440-66-6	130	2.3	mg/kg	---				
	OSW-7471A									
	Mercury	7439-97-6	0.063	0.080	mg/kg	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-199_2-4(20111104)				ASB-200_0-2(20111104)			
		Lab Sample ID:	24057025				24057026			
		Sample Date:	11/4/2011				11/4/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	550	ug/kg	---	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	270	ug/kg	---	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	270	ug/kg	---	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	270	ug/kg	---	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	270	ug/kg	---	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	270	ug/kg	---	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	82	1100	ug/kg	J	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	270	ug/kg	---	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	270	ug/kg	---	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	550	ug/kg	---	ND	500	ug/kg	---
Benzene	71-43-2	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromoform	75-25-2	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	270	ug/kg	---	ND	250	ug/kg	---
Carbon disulfide	75-15-0	ND	270	ug/kg	---	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	270	ug/kg	---	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	270	ug/kg	---	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	270	ug/kg	---	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Chloroform	67-66-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	270	ug/kg	---	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	270	ug/kg	---	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	270	ug/kg	---	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	550	ug/kg	---	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	270	ug/kg	---	ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	550	ug/kg	---	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	550	ug/kg	---	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	270	ug/kg	---	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	550	ug/kg	---	ND	500	ug/kg	---
Methyl acetate	79-20-9	30	550	ug/kg	J	28	500	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	550	ug/kg	---	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	270	ug/kg	---	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	270	ug/kg	---	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	270	ug/kg	---	ND	250	ug/kg	---
Naphthalene	91-20-3	8.4	270	ug/kg	UB	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	270	ug/kg	---	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	270	ug/kg	---	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	270	ug/kg	---	ND	250	ug/kg	---
Styrene	100-42-5	ND	270	ug/kg	---	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	270	ug/kg	---	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Toluene	108-88-3	ND	270	ug/kg	---	ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	270	ug/kg	---	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	270	ug/kg	---	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	270	ug/kg	---	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	270	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-199_2-4(20111104)				ASB-200_0-2(20111104)			
		Lab Sample ID:	24057025				24057026			
		Sample Date:	11/4/2011				11/4/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4								
2,2'-oxybis[1-chloropropane]	108-60-1								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								
2,4-Dichlorophenol	120-83-2								
2,4-Dimethylphenol	105-67-9								
2,4-Dinitrophenol	51-28-5								
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Chlorophenol	95-57-8								
2-Methylnaphthalene	91-57-6	ND	360	ug/kg	---	ND	350	ug/kg	---
2-Methylphenol	95-48-7								
2-Nitroaniline	88-74-4								
2-Nitrophenol	88-75-5								
3 & 4 Methylphenol	65794-96-9								
3,3'-Dichlorobenzidine	91-94-1								
3-Nitroaniline	99-09-2								
4,6-Dinitro-2-methylphenol	534-52-1								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloro-3-methylphenol	59-50-7								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
4-Nitrophenol	100-02-7								
Acenaphthene	83-32-9	ND	360	ug/kg	---	ND	350	ug/kg	---
Acenaphthylene	208-96-8	ND	360	ug/kg	---	ND	350	ug/kg	---
Acetophenone	98-86-2								
Anthracene	120-12-7	ND	360	ug/kg	---	ND	350	ug/kg	---
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3	ND	360	ug/kg	---	ND	350	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	360	ug/kg	---	ND	350	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	360	ug/kg	---	ND	350	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	360	ug/kg	---	ND	350	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	360	ug/kg	---	ND	350	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9	ND	360	ug/kg	---	ND	350	ug/kg	---
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3	ND	360	ug/kg	---	ND	350	ug/kg	---
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0	ND	360	ug/kg	---	ND	350	ug/kg	---
Fluorene	86-73-7	ND	360	ug/kg	---	ND	350	ug/kg	---
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5	ND	360	ug/kg	---	ND	350	ug/kg	---
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3	ND	360	ug/kg	---	ND	350	ug/kg	---
Nitrobenzene	98-95-3								
Pentachlorophenol	87-86-5								
Phenanthrene	85-01-8	ND	360	ug/kg	---	ND	350	ug/kg	---
Phenol	108-95-2								
Pyrene	129-00-0	ND	360	ug/kg	---	ND	350	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

			Sample Name:	ASB-199_2-4(20111104)				ASB-200_0-2(20111104)			
			Lab Sample ID:	24057025				24057026			
			Sample Date:	11/4/2011				11/4/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	11	mg/kg	---	ND	10	mg/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	2.3	9.3	mg/kg	J	2.0	8.5	mg/kg	J
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1	2.8	0.28	mg/kg	---	1.9	0.27	mg/kg	---
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-200_4-6(20111104)				MB-013(20111104)			
		Lab Sample ID:	24057027				24057028			
		Sample Date:	11/4/2011				11/4/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	270	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	540	ug/kg	---	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	270	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	270	ug/kg	---	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	270	ug/kg	---	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	270	ug/kg	---	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	270	ug/kg	---	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	270	ug/kg	---	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	270	ug/kg	---	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	270	ug/kg	---	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	270	ug/kg	---	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	540	ug/kg	---	ND	500	ug/kg	---
Benzene	71-43-2	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromoform	75-25-2	ND	270	ug/kg	---	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	270	ug/kg	---	ND	250	ug/kg	---
Carbon disulfide	75-15-0	ND	270	ug/kg	---	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	270	ug/kg	---	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	270	ug/kg	---	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	270	ug/kg	---	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Chloroform	67-66-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	270	ug/kg	---	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	270	ug/kg	---	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	270	ug/kg	---	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	540	ug/kg	---	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	270	ug/kg	---	ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	540	ug/kg	---	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	540	ug/kg	---	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	270	ug/kg	---	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	270	ug/kg	---	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	540	ug/kg	---	ND	500	ug/kg	---
Methyl acetate	79-20-9	ND	540	ug/kg	---	ND	500	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	540	ug/kg	---	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	270	ug/kg	---	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	270	ug/kg	---	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	270	ug/kg	---	ND	250	ug/kg	---
Naphthalene	91-20-3	ND	270	ug/kg	---	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	270	ug/kg	---	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	270	ug/kg	---	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	270	ug/kg	---	ND	250	ug/kg	---
Styrene	100-42-5	ND	270	ug/kg	---	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	270	ug/kg	---	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Toluene	108-88-3	ND	270	ug/kg	---	ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	270	ug/kg	---	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	270	ug/kg	---	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	270	ug/kg	---	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	270	ug/kg	---	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	270	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

		Sample Name:	ASB-200_4-6(20111104)				MB-013(20111104)			
		Lab Sample ID:	24057027				24057028			
		Sample Date:	11/4/2011				11/4/2011			
				Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC									
OSW-8270C									
1,1'-Biphenyl	92-52-4								
2,2'-oxybis[1-chloropropane]	108-60-1								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								
2,4-Dichlorophenol	120-83-2								
2,4-Dimethylphenol	105-67-9								
2,4-Dinitrophenol	51-28-5								
2,4-Dinitrotoluene	121-14-2								
2,6-Dinitrotoluene	606-20-2								
2-Chloronaphthalene	91-58-7								
2-Chlorophenol	95-57-8								
2-Methylnaphthalene	91-57-6	ND	380	ug/kg	---				
2-Methylphenol	95-48-7								
2-Nitroaniline	88-74-4								
2-Nitrophenol	88-75-5								
3 & 4 Methylphenol	65794-96-9								
3,3'-Dichlorobenzidine	91-94-1								
3-Nitroaniline	99-09-2								
4,6-Dinitro-2-methylphenol	534-52-1								
4-Bromophenyl phenyl ether	101-55-3								
4-Chloro-3-methylphenol	59-50-7								
4-Chloroaniline	106-47-8								
4-Chlorophenyl phenyl ether	7005-72-3								
4-Nitroaniline	100-01-6								
4-Nitrophenol	100-02-7								
Acenaphthene	83-32-9	ND	380	ug/kg	---				
Acenaphthylene	208-96-8	ND	380	ug/kg	---				
Acetophenone	98-86-2								
Anthracene	120-12-7	ND	380	ug/kg	---				
Atrazine	1912-24-9								
Benzaldehyde	100-52-7								
Benzo[a]anthracene	56-55-3	ND	380	ug/kg	---				
Benzo[a]pyrene	50-32-8	ND	380	ug/kg	---				
Benzo[b]fluoranthene	205-99-2	ND	380	ug/kg	---				
Benzo[g,h,i]perylene	191-24-2	ND	380	ug/kg	---				
Benzo[k]fluoranthene	207-08-9	ND	380	ug/kg	---				
Bis(2-chloroethoxy)methane	111-91-1								
Bis(2-chloroethyl)ether	111-44-4								
Bis(2-ethylhexyl) phthalate	117-81-7								
Butyl benzyl phthalate	85-68-7								
Caprolactam	105-60-2								
Carbazole	86-74-8								
Chrysene	218-01-9	ND	380	ug/kg	---				
Di-n-butyl phthalate	84-74-2								
Di-n-octyl phthalate	117-84-0								
Dibenz(a,h)anthracene	53-70-3	ND	380	ug/kg	---				
Dibenzofuran	132-64-9								
Diethyl phthalate	84-66-2								
Dimethyl phthalate	131-11-3								
Fluoranthene	206-44-0	ND	380	ug/kg	---				
Fluorene	86-73-7	ND	380	ug/kg	---				
Hexachlorobenzene	118-74-1								
Hexachlorobutadiene	87-68-3								
Hexachlorocyclopentadiene	77-47-4								
Hexachloroethane	67-72-1								
Indeno[1,2,3-cd]pyrene	193-39-5	ND	380	ug/kg	---				
Isophorone	78-59-1								
N-Nitrosodi-n-propylamine	621-64-7								
N-Nitrosodiphenylamine	86-30-6								
Naphthalene	91-20-3	ND	380	ug/kg	---				
Nitrobenzene	98-95-3								
Pentachlorophenol	87-86-5								
Phenanthrene	85-01-8	ND	380	ug/kg	---				
Phenol	108-95-2								
Pyrene	129-00-0	ND	380	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5702-1

			Sample Name:	ASB-200_4-6(20111104)				MB-013(20111104)			
			Lab Sample ID:	24057027				24057028			
			Sample Date:	11/4/2011				11/4/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	11	mg/kg	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	2.1	9.5	mg/kg	J				
Metals										
	OSW-6010B									
	Aluminum	7429-90-5								
	Antimony	7440-36-0								
	Arsenic	7440-38-2								
	Barium	7440-39-3								
	Beryllium	7440-41-7								
	Cadmium	7440-43-9								
	Calcium	7440-70-2								
	Chromium	7440-47-3								
	Cobalt	7440-48-4								
	Copper	7440-50-8								
	Iron	7439-89-6								
	Lead	7439-92-1	3.5	0.32	mg/kg	---				
	Magnesium	7439-95-4								
	Manganese	7439-96-5								
	Nickel	7440-02-0								
	Potassium	7440-09-7								
	Selenium	7782-49-2								
	Silver	7440-22-4								
	Sodium	7440-23-5								
	Thallium	7440-28-0								
	Vanadium	7440-62-2								
	Zinc	7440-66-6								
	OSW-7471A									
	Mercury	7439-97-6								

December 01, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 5704-1
Sample date: 2011-11-07
Report received by Enovis: 2011-11-30
Initial Data Verification completed by Enovis: 2011-12-01

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s). 1 Water trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC trip blank had a detection below the RL for methylene chloride. Qualification of client sample results was not required based on this trip blank detection.

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for tert-butylbenzene, ethylbenzene and 1,2,4-trimethylbenzene. Client sample results for these analytes should be considered to be estimated and qualified with a J flag if detected and UJ flag if non-detect. The MSD recovery outlier only for m&p-xylenes did not result in qualification of client sample data.

GCMS SVOC, DRO and GRO QC batch MS recovery outliers were not performed on samples from this submittal. Qualification of client sample results was not required based on these sample-matrix specific QC outliers.

GCMS SVOC sample -001 results for naphthalene and 2-methylnaphthalene for the initial analysis were greater than the upper calibration range of the analytical instrument and were considered to be estimated and qualified with E flags. The re-analysis data did not require qualification. The original E flagged data was not included in the laboratory EDD so is not available in the database.

Metals method blank had a detection below the RL for barium. Qualification of client sample results is not required based on this method blank detection.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 5704-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	Semivolatiles by GCMS	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy(D)	Mercury (Manual Cold Vapor)(D)
2402286712	AMW-15	11/7/2011	4:00:00			X			
2402314625	AMW-15	11/7/2011	4:00:00				X		
2402333827	AMW-15	11/7/2011	4:00:00		X				
24023405132	AMW-15	11/7/2011	4:00:00						X
240237356	AMW-15	11/7/2011	4:00:00	X					
240237357	TB-009(20111107)	11/7/2011	12:00:00	X					
24023859101	AMW-15	11/7/2011	4:00:00					X	
2402405938	AMW-15	11/7/2011	4:00:00		X				

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5704-1

Sample Name: AMW-15
Lab Sample ID: 240237356
Sample Date: 11/7/2011

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC					
OSW-8260B					
1,2,4-Trimethylbenzene	95-63-6	1500	67	ug/l	J
Ethylbenzene	100-41-4	1500	67	ug/l	J
tert-Butylbenzene	98-06-6	ND	67	ug/l	UJ

GCMS VOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for tert-butylbenzene, ethylbenzene and 1,2,4-trimethylbenzene. Client sample results for these analytes should be considered to be estimated and qualified with a J flag if detected and UJ flag if non-detect. The MSD recovery outlier only for m&p-xylenes did not result in qualification of client sample data.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5704-1

		Sample Name:	AMW-15				AMW-15			
		Lab Sample ID:	2402286712				2402314625			
		Sample Date:	11/7/2011				11/7/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	15000	1000	ug/l	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					0.64	0.10	mg/l	---
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5704-1

		Sample Name:	AMW-15				AMW-15			
		Lab Sample ID:	2402333827				24023405132			
		Sample Date:	11/7/2011				11/7/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9	1.0	10	ug/l	J				
	Acenaphthylene	208-96-8	ND	10	ug/l	---				
	Anthracene	120-12-7	0.29	10	ug/l	J				
	Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	---				
	Benzo[a]pyrene	50-32-8	ND	10	ug/l	---				
	Benzo[b]fluoranthene	205-99-2	ND	10	ug/l	---				
	Benzo[g,h,i]perylene	191-24-2	ND	10	ug/l	---				
	Benzo[k]fluoranthene	207-08-9	ND	10	ug/l	---				
	Chrysene	218-01-9	ND	10	ug/l	---				
	Dibenz(a,h)anthracene	53-70-3	ND	10	ug/l	---				
	Fluoranthene	206-44-0	0.47	10	ug/l	J				
	Fluorene	86-73-7	0.63	10	ug/l	J				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	10	ug/l	---				
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8	1.7	10	ug/l	J				
	Pyrene	129-00-0	0.41	10	ug/l	J				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Cadmium - Dissolved	7440-43-9								
	Chromium - Dissolved	7440-47-3								
	Lead - Dissolved	7439-92-1								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6					ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5704-1

		Sample Name:	AMW-15			TB-009(20111107)			
		Lab Sample ID:	240237356			240237357			
		Sample Date:	11/7/2011			11/7/2011			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	67	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	1500	67	ug/l	J	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	130	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	67	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	67	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	200	67	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	67	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	67	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	67	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	67	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	670	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	67	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	670	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	67	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	670	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	ND	670	ug/l	---	ND	10	ug/l	---
Allyl chloride	107-05-1	ND	130	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	690	67	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	67	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	67	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	67	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	67	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	67	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	67	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	67	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	67	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	67	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	67	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	67	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	67	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	67	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	67	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	340	67	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	67	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	190	67	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	130	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	130	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	1500	67	ug/l	J	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	67	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	74	67	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	2000	130	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	670	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	330	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	110	67	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	67	ug/l	---	0.44	1.0	ug/l	J
n-Butylbenzene	104-51-8	56	67	ug/l	J	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	210	67	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	620	67	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	110	67	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	16	67	ug/l	J	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	18	67	ug/l	J	ND	1.0	ug/l	---
Styrene	100-42-5	ND	67	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	67	ug/l	UJ	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	67	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	330	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	73	67	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	67	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	67	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	67	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	67	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	67	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5704-1

		Sample Name:	AMW-15				AMW-15			
		Lab Sample ID:	24023859101				2402405938			
		Sample Date:	11/7/2011				11/7/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6					160	100	ug/l	---
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3					400	100	ug/l	---
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Arsenic - Dissolved	7440-38-2	12	10	ug/l	---				
	Barium - Dissolved	7440-39-3	460	200	ug/l	---				
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---				
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---				
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---				
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---				
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---				
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

December 02, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 5928-1
Sample date: 2011-11-11
Report received by Enovis: 2011-11-30
Initial Data Verification completed by Enovis: 2011-12-02

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Water sample(s) and 1 field duplicate were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s). 1 Trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 24524 had detections below the RL for 1,2,3-trichlorobenzene, methylene chloride and naphthalene. Client sample -004 (trip blank) results for these analytes should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank detections for 1,2,3-trichlorobenzene, naphthalene and methylene chloride were qualified as non-detect at the RL due to associated method blank detections. No other detections were reported in the trip blank.

GCMS VOC client samples -002 and -003 and GRO client samples -001, -002 and -003 containers were received at a pH of greater than 2 so were outside of the recommended preservation criteria for the standard 14 day holding time. The associated analyses were performed within 7 days of sample collection so qualification was not required based on the preservation non-conformances.

GCMS SVOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, chrysene, dibenzo(ah)anthracnene (MS/MSD RPD also an outlier) and indeno(1,2,3-cd)pyrene. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS only recovery outliers for benzo(k)fluoranthene and pyrene did not result in qualification of client sample data.

DRO method blank detection below the RL did not result in qualification for client sample data.

Metals method blank had detections below the RL for potassium, barium, arsenic, beryllium, calcium, magnesium, manganese and zinc. Client samples -001, -002 and -003 arsenic and beryllium results should be considered to be non-detect at the RL and qualified with UB flags.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 5928-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	Semivolatiles by GCMS	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy(D)	Mercury (Manual Cold Vapor)(D)
2402369618	AMW-19	11/11/2011	11:45:00			X			
2402369621	AMW-20	11/11/2011	12:30:00			X			
2402369622	DUP-01	11/11/2011	12:00:00			X			
2402392216	AMW-19	11/11/2011	11:45:00				X		
2402392219	AMW-20	11/11/2011	12:30:00				X		
2402392220	DUP-01	11/11/2011	12:00:00				X		
240239417	AMW-20	11/11/2011	12:30:00	X					
240239418	DUP-01	11/11/2011	12:00:00	X					
2402416825	AMW-19	11/11/2011	11:45:00		X				
2402416828	AMW-20	11/11/2011	12:30:00		X				
2402416829	DUP-01	11/11/2011	12:00:00		X				
2402421960	AMW-19	11/11/2011	11:45:00						X
2402421965	AMW-20	11/11/2011	12:30:00						X
2402421966	DUP-01	11/11/2011	12:00:00						X
24024269153	AMW-19	11/11/2011	11:45:00					X	
24024269159	AMW-20	11/11/2011	12:30:00					X	
24024269160	DUP-01	11/11/2011	12:00:00					X	
24024269188	AMW-19	11/11/2011	11:45:00					X	
24024269192	AMW-20	11/11/2011	12:30:00					X	
24024269193	DUP-01	11/11/2011	12:00:00					X	
2402452412	TRIP BLANK	11/11/2011	12:00:00	X					
240245246	AMW-19	11/11/2011	11:45:00	X					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-19				AMW-19				AMW-20				DUP-01				TRIP BLANK			
		Lab Sample ID:	2402416825				24024269153				24024269159				24024269160				2402452412			
		Sample Date:	11/11/2011				11/11/2011				11/11/2011				11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																						
	OSW-8260B																					
	1,2,3-Trichlorobenzene	87-61-6																	0.73	1.0	ug/l	UB
	Methylene Chloride	75-09-2																	0.47	1.0	ug/l	UB
	Naphthalene	91-20-3																	0.58	1.0	ug/l	UB
GC/MS SVOC																						
	OSW-8270C																					
	Benzo[a]anthracene	56-55-3	ND	0.21	ug/l	UJ																
	Benzo[a]pyrene	50-32-8	ND	10	ug/l	UJ																
	Benzo[b]fluoranthene	205-99-2	ND	10	ug/l	UJ																
	Benzo[g,h,i]perylene	191-24-2	ND	10	ug/l	UJ																
	Chrysene	218-01-9	ND	10	ug/l	UJ																
	Dibenz(a,h)anthracene	53-70-3	ND	10	ug/l	UJ																
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	10	ug/l	UJ																
Metals																						
	OSW-6010B																					
	Arsenic - Dissolved	7440-38-2					4.7	10	ug/l	UB	4.3	10	ug/l	UB	4.3	10	ug/l	UB				
	Beryllium - Dissolved	7440-41-7					0.84	5.0	ug/l	UB	0.79	5.0	ug/l	UB	0.80	5.0	ug/l	UB				

GCMS VOC method blank for QC batch 24524 had detections below the RL for 1,2,3-trichlorobenzene, methylene chloride and naphthalene. Client sample -004 (trip blank) results for these analytes should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, chrysene, dibenzo(ah)anthracnene (MS/MSD RPD also an outlier) and indeno(1,2,3-cd)pyrene. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags. MS only recovery outliers for benzo(k)fluoranthene and pyrene did not result in qualification of client sample data.

Metals method blank had detections below the RL for potassium, barium, arsenic, beryllium, calcium, magnesium, manganese and zinc. Client samples -001, -002 and -003 arsenic and beryllium results should be considered to be non-detect at the RL and qualified with UB flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-19				AMW-20			
		Lab Sample ID:	2402369618				2402369621			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---	ND	100	ug/l	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0								
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	DUP-01				AMW-19			
		Lab Sample ID:	2402369622				2402392216			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004					0.26	0.10	mg/l	---
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0								
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-20				DUP-01			
		Lab Sample ID:	2402392219				2402392220			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	0.63	0.099	mg/l	---	0.28	0.097	mg/l	---
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0								
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-20				DUP-01			
		Lab Sample ID:	240239417				240239418			
		Sample Date:	11/11/2011				11/11/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	0.88	10	ug/l	J	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	5.4	10	ug/l	J	1.9	10	ug/l	J
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	0.14	1.0	ug/l	J	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	0.15	1.0	ug/l	J	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	0.51	5.0	ug/l	J	ND	5.0	ug/l	---
Toluene	108-88-3	0.19	1.0	ug/l	J	0.14	1.0	ug/l	J
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-19				AMW-20			
		Lab Sample ID:	2402416825				2402416828			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	ND	10	ug/l	---	ND	10	ug/l	---
	Acenaphthene	83-32-9	ND	10	ug/l	---	ND	10	ug/l	---
	Acenaphthylene	208-96-8	ND	10	ug/l	---	ND	10	ug/l	---
	Anthracene	120-12-7	ND	10	ug/l	---	ND	10	ug/l	---
	Benzo[a]anthracene	56-55-3	ND	0.21	ug/l	UJ	ND	0.20	ug/l	---
	Benzo[a]pyrene	50-32-8	ND	10	ug/l	UJ	ND	10	ug/l	---
	Benzo[b]fluoranthene	205-99-2	ND	10	ug/l	UJ	ND	10	ug/l	---
	Benzo[g,h,i]perylene	191-24-2	ND	10	ug/l	UJ	ND	10	ug/l	---
	Benzo[k]fluoranthene	207-08-9	ND	10	ug/l	---	ND	10	ug/l	---
	Chrysene	218-01-9	ND	10	ug/l	UJ	ND	10	ug/l	---
	Dibenz(a,h)anthracene	53-70-3	ND	10	ug/l	UJ	ND	10	ug/l	---
	Fluoranthene	206-44-0	ND	10	ug/l	---	ND	10	ug/l	---
	Fluorene	86-73-7	ND	10	ug/l	---	ND	10	ug/l	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	10	ug/l	UJ	ND	10	ug/l	---
	Naphthalene	91-20-3	ND	10	ug/l	---	ND	10	ug/l	---
	Phenanthrene	85-01-8	ND	10	ug/l	---	ND	10	ug/l	---
	Pyrene	129-00-0	ND	10	ug/l	---	ND	10	ug/l	---
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0								
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	DUP-01				AMW-19			
		Lab Sample ID:	2402416829				2402421960			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	ND	10	ug/l	---				
	Acenaphthene	83-32-9	ND	10	ug/l	---				
	Acenaphthylene	208-96-8	ND	10	ug/l	---				
	Anthracene	120-12-7	ND	10	ug/l	---				
	Benzo[a]anthracene	56-55-3	ND	0.20	ug/l	---				
	Benzo[a]pyrene	50-32-8	ND	10	ug/l	---				
	Benzo[b]fluoranthene	205-99-2	ND	10	ug/l	---				
	Benzo[g,h,i]perylene	191-24-2	ND	10	ug/l	---				
	Benzo[k]fluoranthene	207-08-9	ND	10	ug/l	---				
	Chrysene	218-01-9	ND	10	ug/l	---				
	Dibenz(a,h)anthracene	53-70-3	ND	10	ug/l	---				
	Fluoranthene	206-44-0	ND	10	ug/l	---				
	Fluorene	86-73-7	ND	10	ug/l	---				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	10	ug/l	---				
	Naphthalene	91-20-3	ND	10	ug/l	---				
	Phenanthrene	85-01-8	ND	10	ug/l	---				
	Pyrene	129-00-0	ND	10	ug/l	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0								
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6					ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-20				DUP-01			
		Lab Sample ID:	2402421965				2402421966			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7								
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0								
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---	ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-19				AMW-20			
		Lab Sample ID:	24024269153				24024269159			
		Sample Date:	11/11/2011				11/11/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC									
OSW-8270C									
2-Methylnaphthalene	91-57-6								
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[a]anthracene	56-55-3								
Benzo[a]pyrene	50-32-8								
Benzo[b]fluoranthene	205-99-2								
Benzo[g,h,i]perylene	191-24-2								
Benzo[k]fluoranthene	207-08-9								
Chrysene	218-01-9								
Dibenz(a,h)anthracene	53-70-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno[1,2,3-cd]pyrene	193-39-5								
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
GC VOC									
PUBL-SW-140									
WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other									
PUBL-SW-141									
WI Diesel Range Organics (C10-C28)	E-1004								
Metals									
OSW-6010B									
Aluminum - Dissolved	7429-90-5	ND	200	ug/l	---	ND	200	ug/l	---
Antimony - Dissolved	7440-36-0	2.9	10	ug/l	J	3.3	10	ug/l	J
Arsenic - Dissolved	7440-38-2	4.7	10	ug/l	UB	4.3	10	ug/l	UB
Barium - Dissolved	7440-39-3	240	200	ug/l	---	200	200	ug/l	---
Beryllium - Dissolved	7440-41-7	0.84	5.0	ug/l	UB	0.79	5.0	ug/l	UB
Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Calcium - Dissolved	7440-70-2	150000	5000	ug/l	---	180000	5000	ug/l	---
Chromium - Dissolved	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---
Cobalt - Dissolved	7440-48-4	4.9	7.0	ug/l	J	5.3	7.0	ug/l	J
Copper - Dissolved	7440-50-8	ND	25	ug/l	---	ND	25	ug/l	---
Iron - Dissolved	7439-89-6	170	100	ug/l	---	ND	100	ug/l	---
Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---
Magnesium - Dissolved	7439-95-4	41000	5000	ug/l	---	49000	5000	ug/l	---
Manganese - Dissolved	7439-96-5	2800	15	ug/l	---	1800	15	ug/l	---
Nickel - Dissolved	7440-02-0	3.4	40	ug/l	J	6.9	40	ug/l	J
Potassium - Dissolved	7440-09-7								
Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Silver - Dissolved	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---
Sodium - Dissolved	7440-23-5	55000	5000	ug/l	---	66000	5000	ug/l	---
Thallium - Dissolved	7440-28-0								
Vanadium - Dissolved	7440-62-2	ND	7.0	ug/l	---	0.64	7.0	ug/l	J
Zinc - Dissolved	7440-66-6	ND	50	ug/l	---	ND	50	ug/l	---
OSW-7470A									
Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	DUP-01				AMW-19			
		Lab Sample ID:	24024269160				24024269188			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5	ND	200	ug/l	---				
	Antimony - Dissolved	7440-36-0	ND	10	ug/l	---				
	Arsenic - Dissolved	7440-38-2	4.3	10	ug/l	UB				
	Barium - Dissolved	7440-39-3	200	200	ug/l	---				
	Beryllium - Dissolved	7440-41-7	0.80	5.0	ug/l	UB				
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---				
	Calcium - Dissolved	7440-70-2	190000	5000	ug/l	---				
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---				
	Cobalt - Dissolved	7440-48-4	9.9	7.0	ug/l	---				
	Copper - Dissolved	7440-50-8	ND	25	ug/l	---				
	Iron - Dissolved	7439-89-6	ND	100	ug/l	---				
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---				
	Magnesium - Dissolved	7439-95-4	51000	5000	ug/l	---				
	Manganese - Dissolved	7439-96-5	1900	15	ug/l	---				
	Nickel - Dissolved	7440-02-0	7.6	40	ug/l	J				
	Potassium - Dissolved	7440-09-7					4300	5000	ug/l	J
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---				
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---				
	Sodium - Dissolved	7440-23-5	69000	5000	ug/l	---				
	Thallium - Dissolved	7440-28-0					ND	10	ug/l	---
	Vanadium - Dissolved	7440-62-2	ND	7.0	ug/l	---				
	Zinc - Dissolved	7440-66-6	ND	50	ug/l	---				
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	AMW-20				DUP-01			
		Lab Sample ID:	24024269192				24024269193			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6								
	Acenaphthene	83-32-9								
	Acenaphthylene	208-96-8								
	Anthracene	120-12-7								
	Benzo[a]anthracene	56-55-3								
	Benzo[a]pyrene	50-32-8								
	Benzo[b]fluoranthene	205-99-2								
	Benzo[g,h,i]perylene	191-24-2								
	Benzo[k]fluoranthene	207-08-9								
	Chrysene	218-01-9								
	Dibenz(a,h)anthracene	53-70-3								
	Fluoranthene	206-44-0								
	Fluorene	86-73-7								
	Indeno[1,2,3-cd]pyrene	193-39-5								
	Naphthalene	91-20-3								
	Phenanthrene	85-01-8								
	Pyrene	129-00-0								
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005								
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5								
	Antimony - Dissolved	7440-36-0								
	Arsenic - Dissolved	7440-38-2								
	Barium - Dissolved	7440-39-3								
	Beryllium - Dissolved	7440-41-7								
	Cadmium - Dissolved	7440-43-9								
	Calcium - Dissolved	7440-70-2								
	Chromium - Dissolved	7440-47-3								
	Cobalt - Dissolved	7440-48-4								
	Copper - Dissolved	7440-50-8								
	Iron - Dissolved	7439-89-6								
	Lead - Dissolved	7439-92-1								
	Magnesium - Dissolved	7439-95-4								
	Manganese - Dissolved	7439-96-5								
	Nickel - Dissolved	7440-02-0								
	Potassium - Dissolved	7440-09-7	3500	5000	ug/l	J	3600	5000	ug/l	J
	Selenium - Dissolved	7782-49-2								
	Silver - Dissolved	7440-22-4								
	Sodium - Dissolved	7440-23-5								
	Thallium - Dissolved	7440-28-0	ND	10	ug/l	---	ND	10	ug/l	---
	Vanadium - Dissolved	7440-62-2								
	Zinc - Dissolved	7440-66-6								
	OSW-7470A									
	Mercury - Dissolved	7439-97-6								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5928-1

		Sample Name:	TRIP BLANK				AMW-19			
		Lab Sample ID:	2402452412				240245246			
		Sample Date:	11/11/2011				11/11/2011			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	0.73	1.0	ug/l	UB	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	ND	10	ug/l	---	ND	10	ug/l	---
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	0.47	1.0	ug/l	UB	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	0.58	1.0	ug/l	UB	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

December 09, 2011

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant – drums and roll-off IDW
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 5936-1
Sample date: 2011-11-11
Report received by Enovis: 2011-12-08
Initial Data Verification completed by Enovis: 2011-12-09

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Solid sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, MS/MSD Recovery, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The following minor QC exceptions or missing information were noted:

Metals method blank had a detection below the RL for barium. Qualification of client sample results was not required based on this method blank detection.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 5936-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	ICP Metals	Mercury (Manual Cold Vapor)
24059361	IDW-DRUMS(20111111)	11/11/2011	2:30:00	X	X	X	X	X
24059362	IDW-ROLLOFF(20111111)	11/11/2011	3:00:00	X	X	X	X	X

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 5936-1

		Sample Name:	IDW-DRUMS(20111111)				IDW-ROLLOFF(20111111)			
		Lab Sample ID:	24059361				24059362			
		Sample Date:	11/11/2011				11/11/2011			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
	OSW-8260B									
	1,1-Dichloroethene	75-35-4	ND	50	ug/l	---	ND	50	ug/l	---
	1,2-Dichloroethane	107-06-2	ND	50	ug/l	---	ND	50	ug/l	---
	2-Butanone (MEK)	78-93-3	ND	500	ug/l	---	ND	500	ug/l	---
	Benzene	71-43-2	ND	50	ug/l	---	ND	50	ug/l	---
	Carbon tetrachloride	56-23-5	ND	50	ug/l	---	ND	50	ug/l	---
	Chlorobenzene	108-90-7	ND	50	ug/l	---	ND	50	ug/l	---
	Chloroform	67-66-3	ND	50	ug/l	---	ND	50	ug/l	---
	Tetrachloroethene	127-18-4	ND	50	ug/l	---	ND	50	ug/l	---
	Trichloroethene	79-01-6	ND	50	ug/l	---	ND	50	ug/l	---
	Vinyl chloride	75-01-4	ND	50	ug/l	---	ND	50	ug/l	---
GC/MS SVOC										
	OSW-8270C									
	1,4-Dichlorobenzene	106-46-7	ND	0.0040	mg/l	---	ND	0.0040	mg/l	---
	2,4,5-Trichlorophenol	95-95-4	ND	0.020	mg/l	---	ND	0.020	mg/l	---
	2,4,6-Trichlorophenol	88-06-2	ND	0.020	mg/l	---	ND	0.020	mg/l	---
	2,4-Dinitrotoluene	121-14-2	ND	0.020	mg/l	---	ND	0.020	mg/l	---
	2-Methylphenol	95-48-7	ND	0.0040	mg/l	---	ND	0.0040	mg/l	---
	3 & 4 Methylphenol	65794-96-9	ND	0.040	mg/l	---	ND	0.040	mg/l	---
	Hexachlorobenzene	118-74-1	ND	0.020	mg/l	---	ND	0.020	mg/l	---
	Hexachlorobutadiene	87-68-3	ND	0.020	mg/l	---	ND	0.020	mg/l	---
	Hexachloroethane	67-72-1	ND	0.020	mg/l	---	ND	0.020	mg/l	---
	Nitrobenzene	98-95-3	ND	0.0040	mg/l	---	ND	0.0040	mg/l	---
	Pentachlorophenol	87-86-5	ND	0.040	mg/l	---	ND	0.040	mg/l	---
	Pyridine	110-86-1	ND	0.020	mg/l	---	ND	0.020	mg/l	---
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	35	ug/kg	---	ND	41	ug/kg	---
	Aroclor-1221	11104-28-2	ND	35	ug/kg	---	ND	41	ug/kg	---
	Aroclor-1232	11141-16-5	ND	35	ug/kg	---	ND	41	ug/kg	---
	Aroclor-1242	53469-21-9	ND	35	ug/kg	---	ND	41	ug/kg	---
	Aroclor-1248	12672-29-6	ND	35	ug/kg	---	ND	41	ug/kg	---
	Aroclor-1254	11097-69-1	ND	35	ug/kg	---	ND	41	ug/kg	---
	Aroclor-1260	11096-82-5	ND	35	ug/kg	---	ND	41	ug/kg	---
Metals										
	OSW-6010B									
	Arsenic	7440-38-2	ND	0.50	mg/l	---	ND	0.50	mg/l	---
	Barium	7440-39-3	0.31	10	mg/l	J	0.83	10	mg/l	J
	Cadmium	7440-43-9	ND	0.10	mg/l	---	0.0011	0.10	mg/l	J
	Chromium	7440-47-3	ND	0.50	mg/l	---	ND	0.50	mg/l	---
	Lead	7439-92-1	ND	0.50	mg/l	---	0.070	0.50	mg/l	J
	Selenium	7782-49-2	0.0044	0.25	mg/l	J	ND	0.25	mg/l	---
	Silver	7440-22-4	ND	0.50	mg/l	---	ND	0.50	mg/l	---
	OSW-7470A									
	Mercury	7439-97-6	ND	0.0020	mg/l	---	ND	0.0020	mg/l	---

February 02, 2012

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 7777-1
Sample date: 2012-01-17
Report received by Enovis: 2012-01-31
Initial Data Verification completed by Enovis: 2012-02-02

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Water sample(s), 1 field duplicate and client assigned samples for MS/MSD were analyzed for GCMS VOC, GCMS SVOC, GC VOC, GC Other and Metals parameter(s). 1 Trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for 1,2,3-trichlorobenzene. Qualification of client sample results was not required based on this method blank detection.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low for 1 out of 3 surrogates in client sample -001 MSD QC sample. Qualification of client sample results is not required based on this surrogate recovery outlier alone.

GCMS SVOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, (MS/MS RPD also an outlier) chyrsene, dibenzo(ah)anthracene, indeno(1,2,3-cd)pyrene. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags.
MS recoveries only were outliers for benzo(k)fluoranthene, fluoranthene and pyrene so these analytes did not require qualification.

DRO LCS/LCSDUPLICATE RPD was an outlier for QC batch 30867. Qualification of client sample results was not required based on this QC outlier alone.

Metals method blank had detections below the RL for barium, calcium, potassium, magnesium and manganese. Qualification of client sample results is not required based on these method blank detections.

GCMS VOC trip blank had detections below the RL for acetone and methylene chloride. Client samples -002 acetone results and sample -003 methylene chloride results should be considered to be non-detect at the RL and qualified with UB flags.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 7777-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	Semivolatiles by GCMS	Wisconsin GRO Method	Wisconsin DRO Method	Metals by ICP Spectroscopy(D)	Mercury (Manual Cold Vapor)(D)
24077771	AMW-19	1/17/2012	12:25:00	X	X	X	X	X	X
24077772	AMW-20	1/17/2012	2:15:00	X	X	X	X	X	X
24077773	DUP-02	1/17/2012	12:00:00	X	X	X	X	X	X
24077774	TB-(20120117)-01	1/17/2012	12:00:00	X					

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 7777-1

		Sample Name:	AMW-19				AMW-20				DUP-02			
		Lab Sample ID:	24077771				24077772				24077773			
		Sample Date:	1/17/2012				1/17/2012				1/17/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
Acetone	67-64-1						2.6	10	ug/l	UB				
Methylene Chloride	75-09-2										0.45	1.0	ug/l	UB
GC/MS SVOC														
OSW-8270C														
Benzo[a]anthracene	56-55-3		ND	0.22	ug/l	UJ								
Benzo[a]pyrene	50-32-8		ND	11	ug/l	UJ								
Benzo[b]fluoranthene	205-99-2		ND	11	ug/l	UJ								
Benzo[g,h,i]perylene	191-24-2		ND	11	ug/l	UJ								
Chrysene	218-01-9		ND	11	ug/l	UJ								
Dibenz(a,h)anthracene	53-70-3		ND	11	ug/l	UJ								
Indeno[1,2,3-cd]pyrene	193-39-5		ND	11	ug/l	UJ								

GCMS VOC trip blank had detections below the RL for acetone and methylene chloride. Client samples -002 acetone results and sample -003 methylene chloride results should be considered to be non-detect at the RL and qualified with UB flags.

GCMS SVOC MS/MSD recoveries performed on client sample -001 were outside of laboratory control limits biased low for benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, (MS/MS RPD also an outlier) chyrsene, dibenzo(ah)anthracene, indeno(1,2,3-cd)pyrene. Client sample -001 results for these analytes should be considered to be estimated and qualified with UJ flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 7777-1

		Sample Name:	AMW-19			AMW-20			
		Lab Sample ID:	24077771			24077772			
		Sample Date:	1/17/2012			1/17/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---	ND	10	ug/l	---
Acetone	67-64-1	ND	10	ug/l	---	2.6	10	ug/l	UB
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 7777-1

		Sample Name:	AMW-19				AMW-20			
		Lab Sample ID:	24077771				24077772			
		Sample Date:	1/17/2012				1/17/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	ND	11	ug/l	---	ND	9.9	ug/l	---
	Acenaphthene	83-32-9	ND	11	ug/l	---	ND	9.9	ug/l	---
	Acenaphthylene	208-96-8	ND	11	ug/l	---	ND	9.9	ug/l	---
	Anthracene	120-12-7	ND	11	ug/l	---	ND	9.9	ug/l	---
	Benzo[a]anthracene	56-55-3	ND	0.22	ug/l	UJ	ND	0.20	ug/l	---
	Benzo[a]pyrene	50-32-8	ND	11	ug/l	UJ	ND	9.9	ug/l	---
	Benzo[b]fluoranthene	205-99-2	ND	11	ug/l	UJ	ND	9.9	ug/l	---
	Benzo[g,h,i]perylene	191-24-2	ND	11	ug/l	UJ	ND	9.9	ug/l	---
	Benzo[k]fluoranthene	207-08-9	ND	11	ug/l	---	ND	9.9	ug/l	---
	Chrysene	218-01-9	ND	11	ug/l	UJ	ND	9.9	ug/l	---
	Dibenz(a,h)anthracene	53-70-3	ND	11	ug/l	UJ	ND	9.9	ug/l	---
	Fluoranthene	206-44-0	ND	11	ug/l	---	ND	9.9	ug/l	---
	Fluorene	86-73-7	ND	11	ug/l	---	ND	9.9	ug/l	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	11	ug/l	UJ	ND	9.9	ug/l	---
	Naphthalene	91-20-3	ND	11	ug/l	---	ND	9.9	ug/l	---
	Phenanthrene	85-01-8	ND	11	ug/l	---	ND	9.9	ug/l	---
	Pyrene	129-00-0	ND	11	ug/l	---	ND	9.9	ug/l	---
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---	ND	100	ug/l	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	ND	0.10	mg/l	---	0.46	0.10	mg/l	---
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5	ND	200	ug/l	---	ND	200	ug/l	---
	Antimony - Dissolved	7440-36-0	ND	10	ug/l	---	ND	10	ug/l	---
	Arsenic - Dissolved	7440-38-2	ND	10	ug/l	---	ND	10	ug/l	---
	Barium - Dissolved	7440-39-3	220	200	ug/l	---	160	200	ug/l	J
	Beryllium - Dissolved	7440-41-7	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Calcium - Dissolved	7440-70-2	150000	5000	ug/l	---	180000	5000	ug/l	---
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---
	Cobalt - Dissolved	7440-48-4	3.1	7.0	ug/l	J	3.3	7.0	ug/l	J
	Copper - Dissolved	7440-50-8	ND	25	ug/l	---	ND	25	ug/l	---
	Iron - Dissolved	7439-89-6	ND	100	ug/l	---	550	100	ug/l	---
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---
	Magnesium - Dissolved	7439-95-4	41000	5000	ug/l	---	48000	5000	ug/l	---
	Manganese - Dissolved	7439-96-5	1700	15	ug/l	---	1700	15	ug/l	---
	Nickel - Dissolved	7440-02-0	ND	40	ug/l	---	4.5	40	ug/l	J
	Potassium - Dissolved	7440-09-7	3900	5000	ug/l	J	3300	5000	ug/l	J
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---
	Sodium - Dissolved	7440-23-5	51000	5000	ug/l	---	58000	5000	ug/l	---
	Thallium - Dissolved	7440-28-0	9.7	10	ug/l	J	ND	10	ug/l	---
	Vanadium - Dissolved	7440-62-2	ND	7.0	ug/l	---	ND	7.0	ug/l	---
	Zinc - Dissolved	7440-66-6	ND	50	ug/l	---	ND	50	ug/l	---
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---	ND	0.20	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 7777-1

		Sample Name:	DUP-02			TB-(20120117)-01			
		Lab Sample ID:	24077773			24077774			
		Sample Date:	1/17/2012			1/17/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC									
OSW-8260B									
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1	ND	10	ug/l	---	8.0	10	ug/l	J
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	0.45	1.0	ug/l	UB	0.89	1.0	ug/l	J
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	0.45	1.0	ug/l	J	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 7777-1

		Sample Name:	DUP-02				TB-(20120117)-01			
		Lab Sample ID:	24077773				24077774			
		Sample Date:	1/17/2012				1/17/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC										
	OSW-8270C									
	2-Methylnaphthalene	91-57-6	ND	10	ug/l	---				
	Acenaphthene	83-32-9	ND	10	ug/l	---				
	Acenaphthylene	208-96-8	ND	10	ug/l	---				
	Anthracene	120-12-7	ND	10	ug/l	---				
	Benzo[a]anthracene	56-55-3	ND	0.21	ug/l	---				
	Benzo[a]pyrene	50-32-8	ND	10	ug/l	---				
	Benzo[b]fluoranthene	205-99-2	ND	10	ug/l	---				
	Benzo[g,h,i]perylene	191-24-2	ND	10	ug/l	---				
	Benzo[k]fluoranthene	207-08-9	ND	10	ug/l	---				
	Chrysene	218-01-9	ND	10	ug/l	---				
	Dibenz(a,h)anthracene	53-70-3	ND	10	ug/l	---				
	Fluoranthene	206-44-0	ND	10	ug/l	---				
	Fluorene	86-73-7	ND	10	ug/l	---				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	10	ug/l	---				
	Naphthalene	91-20-3	ND	10	ug/l	---				
	Phenanthrene	85-01-8	ND	10	ug/l	---				
	Pyrene	129-00-0	ND	10	ug/l	---				
GC VOC										
	PUBL-SW-140									
	WI Gasoline Range Organics (C6-C10)	E-1005	ND	100	ug/l	---				
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	1.2	0.10	mg/l	---				
Metals										
	OSW-6010B									
	Aluminum - Dissolved	7429-90-5	ND	200	ug/l	---				
	Antimony - Dissolved	7440-36-0	ND	10	ug/l	---				
	Arsenic - Dissolved	7440-38-2	ND	10	ug/l	---				
	Barium - Dissolved	7440-39-3	160	200	ug/l	J				
	Beryllium - Dissolved	7440-41-7	ND	5.0	ug/l	---				
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---				
	Calcium - Dissolved	7440-70-2	180000	5000	ug/l	---				
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---				
	Cobalt - Dissolved	7440-48-4	6.4	7.0	ug/l	J				
	Copper - Dissolved	7440-50-8	ND	25	ug/l	---				
	Iron - Dissolved	7439-89-6	700	100	ug/l	---				
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---				
	Magnesium - Dissolved	7439-95-4	48000	5000	ug/l	---				
	Manganese - Dissolved	7439-96-5	1700	15	ug/l	---				
	Nickel - Dissolved	7440-02-0	4.8	40	ug/l	J				
	Potassium - Dissolved	7440-09-7	3300	5000	ug/l	J				
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---				
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---				
	Sodium - Dissolved	7440-23-5	58000	5000	ug/l	---				
	Thallium - Dissolved	7440-28-0	5.9	10	ug/l	J				
	Vanadium - Dissolved	7440-62-2	ND	7.0	ug/l	---				
	Zinc - Dissolved	7440-66-6	ND	50	ug/l	---				
	OSW-7470A									
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---				

June 08, 2012

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 11587-1
Sample date: 2012-05-21 2012-05-22
Report received by Enovis: 2012-06-07
Initial Data Verification completed by Enovis: 2012-06-08

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

7 Solid sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s).

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank had a detection below the RL for dichlorodifluoromethane. Client samples -001, -002 and -003 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC LCS recoveries were outside of laboratory control limits biased high for vinyl chloride. Qualification of client sample results was not required based on this high bias QC outlier.

GCMS SVOC QC batch MS recovery outliers were not performed on a sample from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

Metals method blank had detections below the RL for barium, calcium, iron, potassium and manganese. Qualification of client sample results was not required based on these method blank detections.

Metals MS recoveries performed on client sample -001 were outside of laboratory control limits biased high with the MS/MSD RPD also an outlier for manganese and biased low with the MS/MSD RPD also an outlier for magnesium. Client sample -001 magnesium and manganese results should be considered to be estimated and qualified with J flags. Aluminum, calcium and iron MS recoveries were not considered to be reliable and were not used to qualify results due to elevated levels of target analytes in the original sample matrix relative to the amount spiked (4X rule).

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 11587-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	GCMS SVOC	PCB	Wisconsin DRO Method	ICP Metals	Mercury in Solid Waste
240115871	ASB-201-7-9(20120521)	5/21/2012	11:20:00	X				X	X
240115872	ASB-202-8-10(20120521)	5/21/2012	1:20:00	X				X	X
240115873	ASB-203-5-9(20120521)	5/21/2012	4:00:00	X	X	X	X	X	X
240115874	ASB-204-2.5-5(20120522)	5/22/2012	10:00:00		X		X	X	X
240115875	ASB-205-2.5-5(20120522)	5/22/2012	12:45:00		X		X	X	X
240115876	ASB-206-2-5(20120522)	5/22/2012	2:25:00		X		X	X	X
240115877	ASB-207-2.5-5(20120522)	5/22/2012	2:40:00		X		X	X	X

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

		Sample Name:	ASB-201-7-9(20120521)				ASB-202-8-10(20120521)				ASB-203-5-9(20120521)			
		Lab Sample ID:	240115871				240115872				240115873			
		Sample Date:	5/21/2012				5/21/2012				5/21/2012			
Analyte	**Cas No.**		**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS VOC														
OSW-8260B														
Dichlorodifluoromethane	75-71-8		64	270	ug/kg	**UB**	33	250	ug/kg	**UB**	21	300	ug/kg	**UB**
Metals														
OSW-6010B														
Magnesium	7439-95-4		11000	530	mg/kg	**J**								
Manganese	7439-96-5		150	1.6	mg/kg	**J**								

GCMS VOC method blank had a detection below the RL for dichlorodifluoromethane. Client samples -001, -002 and -003 results for this analyte should be considered to be non-detect at the RL and qualified with **UB** flags

Metals MS recoveries performed on client sample -001 were outside of laboratory control limits biased high with the MS/MSD RPD also an outlier for manganese and biased low with the MS/MSD RPD also an outlier for magnesium. Client sample -001 magnesium and manganese results should be considered to be estimated and qualified with **J** flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

		Sample Name:	ASB-201-7-9(20120521)				ASB-202-8-10(20120521)				ASB-203-5-9(20120521)			
		Lab Sample ID:	240115871				240115872				240115873			
		Sample Date:	5/21/2012				5/21/2012				5/21/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---	ND	980	ug/kg	---	ND	1200	ug/kg	---
2-Chlorotoluene	95-49-8	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	980	ug/kg	---	ND	1200	ug/kg	---
4-Chlorotoluene	106-43-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	980	ug/kg	---	ND	1200	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	980	ug/kg	---	ND	1200	ug/kg	---
Allyl chloride	107-05-1	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
Benzene	71-43-2	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Bromobenzene	108-86-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Bromochloromethane	74-97-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Bromodichloromethane	75-27-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Bromoform	75-25-2	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Bromomethane	74-83-9	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Carbon disulfide	75-15-0	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Carbon tetrachloride	56-23-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Chlorobenzene	108-90-7	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Chlorodibromomethane	124-48-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Chloroethane	75-00-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Chloroform	67-66-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Chloromethane	74-87-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Cyclohexane	110-82-7	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
Dibromomethane	74-95-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Dichlorodifluoromethane	75-71-8	64	270	ug/kg	UB	33	250	ug/kg	UB	21	300	ug/kg	UB
Dichlorofluoromethane	75-43-4	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
Ethyl ether	60-29-7	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
Ethylbenzene	100-41-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Isopropylbenzene	98-82-8	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
Methyl acetate	79-20-9	ND	550	ug/kg	---	410	490	ug/kg	J	ND	600	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	980	ug/kg	---	ND	1200	ug/kg	---
Methylcyclohexane	108-87-2	ND	550	ug/kg	---	ND	490	ug/kg	---	ND	600	ug/kg	---
Methylene Chloride	75-09-2	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
n-Butylbenzene	104-51-8	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
N-Propylbenzene	103-65-1	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Naphthalene	91-20-3	9.5	270	ug/kg	J	ND	250	ug/kg	---	ND	300	ug/kg	---
o-Xylene	95-47-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
sec-Butylbenzene	135-98-8	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Styrene	100-42-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
tert-Butylbenzene	98-06-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Tetrachloroethene	127-18-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	980	ug/kg	---	ND	1200	ug/kg	---
Toluene	108-88-3	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Trichloroethene	79-01-6	ND	270	ug/kg	---	16	250	ug/kg	J	ND	300	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---
Vinyl chloride	75-01-4	ND	270	ug/kg	---	ND	250	ug/kg	---	ND	300	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

		Sample Name:	ASB-201-7-9(20120521)				ASB-202-8-10(20120521)				ASB-203-5-9(20120521)			
		Lab Sample ID:	240115871				240115872				240115873			
		Sample Date:	5/21/2012				5/21/2012				5/21/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4									ND	350	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1									ND	350	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4									ND	350	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2									ND	350	ug/kg	---
	2,4-Dichlorophenol	120-83-2									ND	350	ug/kg	---
	2,4-Dimethylphenol	105-67-9									ND	350	ug/kg	---
	2,4-Dinitrophenol	51-28-5									ND	1700	ug/kg	---
	2,4-Dinitrotoluene	121-14-2									ND	350	ug/kg	---
	2,6-Dinitrotoluene	606-20-2									ND	350	ug/kg	---
	2-Chloronaphthalene	91-58-7									ND	350	ug/kg	---
	2-Chlorophenol	95-57-8									ND	350	ug/kg	---
	2-Methylnaphthalene	91-57-6									ND	350	ug/kg	---
	2-Methylphenol	95-48-7									ND	350	ug/kg	---
	2-Nitroaniline	88-74-4									ND	1700	ug/kg	---
	2-Nitrophenol	88-75-5									ND	350	ug/kg	---
	3 & 4 Methylphenol	65794-96-9									ND	430	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1									ND	1700	ug/kg	---
	3-Nitroaniline	99-09-2									ND	1700	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1									ND	1700	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3									ND	350	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7									ND	350	ug/kg	---
	4-Chloroaniline	106-47-8									ND	350	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3									ND	350	ug/kg	---
	4-Nitroaniline	100-01-6									ND	1700	ug/kg	---
	4-Nitrophenol	100-02-7									ND	1700	ug/kg	---
	Acenaphthene	83-32-9									ND	350	ug/kg	---
	Acenaphthylene	208-96-8									ND	350	ug/kg	---
	Acetophenone	98-86-2									ND	350	ug/kg	---
	Anthracene	120-12-7									ND	350	ug/kg	---
	Atrazine	1912-24-9									ND	350	ug/kg	---
	Benzaldehyde	100-52-7									ND	350	ug/kg	---
	Benzo[a]anthracene	56-55-3									ND	350	ug/kg	---
	Benzo[a]pyrene	50-32-8									ND	350	ug/kg	---
	Benzo[b]fluoranthene	205-99-2									ND	350	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2									ND	350	ug/kg	---
	Benzo[k]fluoranthene	207-08-9									ND	350	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1									ND	350	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4									ND	350	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7									30	350	ug/kg	J
	Butyl benzyl phthalate	85-68-7									ND	350	ug/kg	---
	Caprolactam	105-60-2									ND	350	ug/kg	---
	Carbazole	86-74-8									ND	350	ug/kg	---
	Chrysene	218-01-9									ND	350	ug/kg	---
	Di-n-butyl phthalate	84-74-2									ND	350	ug/kg	---
	Di-n-octyl phthalate	117-84-0									ND	350	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3									ND	350	ug/kg	---
	Dibenzofuran	132-64-9									ND	350	ug/kg	---
	Diethyl phthalate	84-66-2									ND	350	ug/kg	---
	Dimethyl phthalate	131-11-3									ND	350	ug/kg	---
	Fluoranthene	206-44-0									ND	350	ug/kg	---
	Fluorene	86-73-7									ND	350	ug/kg	---
	Hexachlorobenzene	118-74-1									ND	350	ug/kg	---
	Hexachlorobutadiene	87-68-3									ND	350	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4									ND	1700	ug/kg	---
	Hexachloroethane	67-72-1									ND	350	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5									ND	350	ug/kg	---
	Isophorone	78-59-1									ND	350	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7									ND	350	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6									ND	350	ug/kg	---
	Naphthalene	91-20-3									12	350	ug/kg	J
	Nitrobenzene	98-95-3									ND	350	ug/kg	---
	Pentachlorophenol	87-86-5									ND	350	ug/kg	---
	Phenanthrene	85-01-8									ND	350	ug/kg	---
	Phenol	108-95-2									ND	350	ug/kg	---
	Pyrene	129-00-0									ND	350	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

		Sample Name:	ASB-201-7-9(20120521)				ASB-202-8-10(20120521)				ASB-203-5-9(20120521)			
		Lab Sample ID:	240115871				240115872				240115873			
		Sample Date:	5/21/2012				5/21/2012				5/21/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2									ND	35	ug/kg	---
	Aroclor-1221	11104-28-2									ND	35	ug/kg	---
	Aroclor-1232	11141-16-5									ND	35	ug/kg	---
	Aroclor-1242	53469-21-9									ND	35	ug/kg	---
	Aroclor-1248	12672-29-6									ND	35	ug/kg	---
	Aroclor-1254	11097-69-1									ND	35	ug/kg	---
	Aroclor-1260	11096-82-5									ND	35	ug/kg	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004									1.6	9.5	mg/kg	J
Metals														
	OSW-6010B													
	Aluminum	7429-90-5	2700	21	mg/kg	---	3300	22	mg/kg	---	2400	20	mg/kg	---
	Antimony	7440-36-0	ND	1.1	mg/kg	---	ND	1.1	mg/kg	---	ND	0.99	mg/kg	---
	Arsenic	7440-38-2	1.7	1.1	mg/kg	---	2.4	1.1	mg/kg	---	2.6	0.99	mg/kg	---
	Barium	7440-39-3	19	21	mg/kg	J	48	22	mg/kg	---	60	20	mg/kg	---
	Beryllium	7440-41-7	0.069	0.53	mg/kg	J	0.15	0.56	mg/kg	J	0.13	0.49	mg/kg	J
	Cadmium	7440-43-9	ND	0.21	mg/kg	---	ND	0.22	mg/kg	---	ND	0.20	mg/kg	---
	Calcium	7440-70-2	30000	530	mg/kg	---	35000	560	mg/kg	---	42000	490	mg/kg	---
	Chromium	7440-47-3	7.2	0.53	mg/kg	---	12	0.56	mg/kg	---	7.0	0.49	mg/kg	---
	Cobalt	7440-48-4	3.2	5.3	mg/kg	J	6.4	5.6	mg/kg	---	5.8	4.9	mg/kg	---
	Copper	7440-50-8	7.5	2.6	mg/kg	---	13	2.8	mg/kg	---	7.8	2.5	mg/kg	---
	Iron	7439-89-6	7500	11	mg/kg	---	11000	11	mg/kg	---	9200	9.9	mg/kg	---
	Lead	7439-92-1	1.7	0.32	mg/kg	---	3.1	0.33	mg/kg	---	2.7	0.30	mg/kg	---
	Magnesium	7439-95-4	11000	530	mg/kg	J	11000	560	mg/kg	---	9600	490	mg/kg	---
	Manganese	7439-96-5	150	1.6	mg/kg	J	350	1.7	mg/kg	---	750	1.5	mg/kg	---
	Nickel	7440-02-0	7.7	4.2	mg/kg	---	12	4.5	mg/kg	---	12	4.0	mg/kg	---
	Potassium	7440-09-7	300	530	mg/kg	J	780	560	mg/kg	---	460	490	mg/kg	J
	Selenium	7782-49-2	0.72	0.53	mg/kg	---	ND	0.56	mg/kg	---	0.49	0.49	mg/kg	---
	Silver	7440-22-4	ND	0.53	mg/kg	---	ND	0.56	mg/kg	---	ND	0.49	mg/kg	---
	Sodium	7440-23-5	ND	530	mg/kg	---	ND	560	mg/kg	---	ND	490	mg/kg	---
	Thallium	7440-28-0	ND	1.1	mg/kg	---	ND	1.1	mg/kg	---	ND	0.99	mg/kg	---
	Vanadium	7440-62-2	11	5.3	mg/kg	---	14	5.6	mg/kg	---	11	4.9	mg/kg	---
	Zinc	7440-66-6	13	2.1	mg/kg	---	25	2.2	mg/kg	---	13	2.0	mg/kg	---
	OSW-7471A													
	Mercury	7439-97-6	ND	0.11	mg/kg	---	ND	0.11	mg/kg	---	ND	0.12	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

		Sample Name:	ASB-204-2.5-5(20120522)				ASB-205-2.5-5(20120522)				ASB-206-2-5(20120522)			
		Lab Sample ID:	240115874				240115875				240115876			
		Sample Date:	5/22/2012				5/22/2012				5/22/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2-Chlorophenol	95-57-8	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2-Methylphenol	95-48-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	2-Nitroaniline	88-74-4	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	2-Nitrophenol	88-75-5	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	440	ug/kg	---	ND	510	ug/kg	---	ND	420	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	3-Nitroaniline	99-09-2	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	4-Chloroaniline	106-47-8	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	4-Nitroaniline	100-01-6	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	4-Nitrophenol	100-02-7	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	Acenaphthene	83-32-9	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Acenaphthylene	208-96-8	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Acetophenone	98-86-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Anthracene	120-12-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Atrazine	1912-24-9	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Benzaldehyde	100-52-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Benzo[a]anthracene	56-55-3	ND	360	ug/kg	---	9.5	420	ug/kg	J	ND	340	ug/kg	---
	Benzo[a]pyrene	50-32-8	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	ND	360	ug/kg	---	10	420	ug/kg	J	7.0	340	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	24	360	ug/kg	J	120	420	ug/kg	J	33	340	ug/kg	J
	Butyl benzyl phthalate	85-68-7	ND	360	ug/kg	---	45	420	ug/kg	J	ND	340	ug/kg	---
	Caprolactam	105-60-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Carbazole	86-74-8	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Chrysene	218-01-9	ND	360	ug/kg	---	9.3	420	ug/kg	J	ND	340	ug/kg	---
	Di-n-butyl phthalate	84-74-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Dibenzofuran	132-64-9	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Diethyl phthalate	84-66-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Dimethyl phthalate	131-11-3	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Fluoranthene	206-44-0	ND	360	ug/kg	---	13	420	ug/kg	J	ND	340	ug/kg	---
	Fluorene	86-73-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4	ND	1800	ug/kg	---	ND	2000	ug/kg	---	ND	1700	ug/kg	---
	Hexachloroethane	67-72-1	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Isophorone	78-59-1	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Naphthalene	91-20-3	12	360	ug/kg	J	ND	420	ug/kg	---	11	340	ug/kg	J
	Nitrobenzene	98-95-3	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Pentachlorophenol	87-86-5	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Phenanthrene	85-01-8	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Phenol	108-95-2	ND	360	ug/kg	---	ND	420	ug/kg	---	ND	340	ug/kg	---
	Pyrene	129-00-0	ND	360	ug/kg	---	13	420	ug/kg	J	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

		Sample Name:	ASB-204-2.5-5(20120522)				ASB-205-2.5-5(20120522)				ASB-206-2-5(20120522)			
		Lab Sample ID:	240115874				240115875				240115876			
		Sample Date:	5/22/2012				5/22/2012				5/22/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2												
	Aroclor-1221	11104-28-2												
	Aroclor-1232	11141-16-5												
	Aroclor-1242	53469-21-9												
	Aroclor-1248	12672-29-6												
	Aroclor-1254	11097-69-1												
	Aroclor-1260	11096-82-5												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	2.6	9.7	mg/kg	J	2.6	12	mg/kg	J	4.2	9.4	mg/kg	J
Metals														
	OSW-6010B													
	Aluminum	7429-90-5	3000	21	mg/kg	---	6400	25	mg/kg	---	2800	20	mg/kg	---
	Antimony	7440-36-0	ND	1.1	mg/kg	---	ND	1.2	mg/kg	---	ND	0.99	mg/kg	---
	Arsenic	7440-38-2	3.1	1.1	mg/kg	---	3.2	1.2	mg/kg	---	2.2	0.99	mg/kg	---
	Barium	7440-39-3	61	21	mg/kg	---	54	25	mg/kg	---	36	20	mg/kg	---
	Beryllium	7440-41-7	0.16	0.53	mg/kg	J	0.43	0.62	mg/kg	J	0.15	0.50	mg/kg	J
	Cadmium	7440-43-9	ND	0.21	mg/kg	---	ND	0.25	mg/kg	---	0.038	0.20	mg/kg	J
	Calcium	7440-70-2	9200	530	mg/kg	---	71000	620	mg/kg	---	31000	500	mg/kg	---
	Chromium	7440-47-3	6.1	0.53	mg/kg	---	13	0.62	mg/kg	---	7.4	0.50	mg/kg	---
	Cobalt	7440-48-4	5.1	5.3	mg/kg	J	11	6.2	mg/kg	---	6.0	5.0	mg/kg	---
	Copper	7440-50-8	5.5	2.6	mg/kg	---	10	3.1	mg/kg	---	7.7	2.5	mg/kg	---
	Iron	7439-89-6	7800	11	mg/kg	---	13000	12	mg/kg	---	7500	9.9	mg/kg	---
	Lead	7439-92-1	3.8	0.32	mg/kg	---	8.3	0.37	mg/kg	---	3.6	0.30	mg/kg	---
	Magnesium	7439-95-4	3600	530	mg/kg	---	7200	620	mg/kg	---	13000	500	mg/kg	---
	Manganese	7439-96-5	440	1.6	mg/kg	---	600	1.9	mg/kg	---	400	1.5	mg/kg	---
	Nickel	7440-02-0	11	4.2	mg/kg	---	16	5.0	mg/kg	---	14	4.0	mg/kg	---
	Potassium	7440-09-7	340	530	mg/kg	J	2800	620	mg/kg	---	620	500	mg/kg	---
	Selenium	7782-49-2	0.49	0.53	mg/kg	J	ND	0.62	mg/kg	---	0.66	0.50	mg/kg	---
	Silver	7440-22-4	ND	0.53	mg/kg	---	ND	0.62	mg/kg	---	ND	0.50	mg/kg	---
	Sodium	7440-23-5	74	530	mg/kg	J	150	620	mg/kg	J	67	500	mg/kg	J
	Thallium	7440-28-0	ND	1.1	mg/kg	---	ND	1.2	mg/kg	---	ND	0.99	mg/kg	---
	Vanadium	7440-62-2	11	5.3	mg/kg	---	11	6.2	mg/kg	---	11	5.0	mg/kg	---
	Zinc	7440-66-6	23	2.1	mg/kg	---	29	2.5	mg/kg	---	19	2.0	mg/kg	---
	OSW-7471A													
	Mercury	7439-97-6	0.017	0.094	mg/kg	J	0.031	0.12	mg/kg	J	ND	0.091	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

Sample Name: ASB-207-2.5-5(20120522)
Lab Sample ID: 240115877
Sample Date: 5/22/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
1,1'-Biphenyl	92-52-4	ND	380	ug/kg	---
2,2'-oxybis[1-chloropropane]	108-60-1	ND	380	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	380	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	380	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	380	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	380	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	380	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	380	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	380	ug/kg	---
2-Chlorophenol	95-57-8	ND	380	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	380	ug/kg	---
2-Methylphenol	95-48-7	ND	380	ug/kg	---
2-Nitroaniline	88-74-4	ND	1900	ug/kg	---
2-Nitrophenol	88-75-5	ND	380	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	460	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---
3-Nitroaniline	99-09-2	ND	1900	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	380	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	380	ug/kg	---
4-Chloroaniline	106-47-8	ND	380	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	380	ug/kg	---
4-Nitroaniline	100-01-6	ND	1900	ug/kg	---
4-Nitrophenol	100-02-7	ND	1900	ug/kg	---
Acenaphthene	83-32-9	ND	380	ug/kg	---
Acenaphthylene	208-96-8	ND	380	ug/kg	---
Acetophenone	98-86-2	ND	380	ug/kg	---
Anthracene	120-12-7	ND	380	ug/kg	---
Atrazine	1912-24-9	ND	380	ug/kg	---
Benzaldehyde	100-52-7	ND	380	ug/kg	---
Benzo[a]anthracene	56-55-3	ND	380	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	380	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	380	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	380	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	380	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1	ND	380	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	380	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	27	380	ug/kg	J
Butyl benzyl phthalate	85-68-7	ND	380	ug/kg	---
Caprolactam	105-60-2	ND	380	ug/kg	---
Carbazole	86-74-8	ND	380	ug/kg	---
Chrysene	218-01-9	ND	380	ug/kg	---
Di-n-butyl phthalate	84-74-2	ND	380	ug/kg	---
Di-n-octyl phthalate	117-84-0	ND	380	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	380	ug/kg	---
Dibenzofuran	132-64-9	ND	380	ug/kg	---
Diethyl phthalate	84-66-2	ND	380	ug/kg	---
Dimethyl phthalate	131-11-3	ND	380	ug/kg	---
Fluoranthene	206-44-0	ND	380	ug/kg	---
Fluorene	86-73-7	ND	380	ug/kg	---
Hexachlorobenzene	118-74-1	ND	380	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	380	ug/kg	---
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	---
Hexachloroethane	67-72-1	ND	380	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	380	ug/kg	---
Isophorone	78-59-1	ND	380	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7	ND	380	ug/kg	---
N-Nitrosodiphenylamine	86-30-6	ND	380	ug/kg	---
Naphthalene	91-20-3	13	380	ug/kg	J
Nitrobenzene	98-95-3	ND	380	ug/kg	---
Pentachlorophenol	87-86-5	ND	380	ug/kg	---
Phenanthrene	85-01-8	ND	380	ug/kg	---
Phenol	108-95-2	ND	380	ug/kg	---
Pyrene	129-00-0	ND	380	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11587-1

Sample Name: ASB-207-2.5-5(20120522)
Lab Sample ID: 240115877
Sample Date: 5/22/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004	1.5	10	mg/kg	J
Metals					
OSW-6010B					
Aluminum	7429-90-5	5500	19	mg/kg	---
Antimony	7440-36-0	ND	0.93	mg/kg	---
Arsenic	7440-38-2	3.1	0.93	mg/kg	---
Barium	7440-39-3	100	19	mg/kg	---
Beryllium	7440-41-7	0.32	0.46	mg/kg	J
Cadmium	7440-43-9	0.059	0.19	mg/kg	J
Calcium	7440-70-2	8900	460	mg/kg	---
Chromium	7440-47-3	8.9	0.46	mg/kg	---
Cobalt	7440-48-4	6.2	4.6	mg/kg	---
Copper	7440-50-8	8.2	2.3	mg/kg	---
Iron	7439-89-6	9200	9.3	mg/kg	---
Lead	7439-92-1	5.8	0.28	mg/kg	---
Magnesium	7439-95-4	3300	460	mg/kg	---
Manganese	7439-96-5	490	1.4	mg/kg	---
Nickel	7440-02-0	13	3.7	mg/kg	---
Potassium	7440-09-7	520	460	mg/kg	---
Selenium	7782-49-2	0.43	0.46	mg/kg	J
Silver	7440-22-4	ND	0.46	mg/kg	---
Sodium	7440-23-5	350	460	mg/kg	J
Thallium	7440-28-0	ND	0.93	mg/kg	---
Vanadium	7440-62-2	16	4.6	mg/kg	---
Zinc	7440-66-6	27	1.9	mg/kg	---
OSW-7471A					
Mercury	7439-97-6	0.024	0.12	mg/kg	J

June 18, 2012

Rob Ellis
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 11623-1
Sample date: 2012-05-22 2012-05-23
Report received by Enovis: 2012-06-15
Initial Data Verification completed by Enovis: 2012-06-18

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

2 Water sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s).
5 Solid sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s). 1 Trip blank sample was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch 45549 method blank had a detection below the RL for dichlorodifluoromethane. Client samples -004 and -005 dichlorodifluoromethane results should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC QC batch 45501 method blank had detections below the RL for 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and above the RL for methylene chloride. QC batch 46002 method blank had detections below the RL for 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene. Qualification of client sample results was not required based on these method blank detections.

GCMS VOC trip blank was non-detect for all target analytes.

GCMS VOC QC batch 45549 LCS recoveries were outside of laboratory control limits biased high for vinyl chloride and QC batch 45501 biased high for 1,1,2-trichloroethane and QC batch 46002 biased high for 1,1,2-trichloroethane and 1,2-dibromoethane. Qualification of client sample results was not required based on these high bias QC outliers.

GCMS VOC sample -007 container appeared to be leaking methanol preservative according to the laboratory submittal case narrative. This sample was also prepped from the bulk container that was not stored exclusively as a VOC sample so there was potential for cross contamination. The sample results were all non-detect for GCMS VOC so qualification was not applied based on this sample preservation information. Sample -001 container was not preserved to below pH of 2 but was analyzed in less than 7 days from collection so qualification was not required based on this preservation outlier.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 base-neutral fraction surrogates in client sample -001. Client sample -001 GCMS SVOC base-neutral fraction analytes should be considered to be unusable and qualified with R flags if non-detect and estimated with J flags if detected. Sample re-analysis results were not available.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low but greater than 10% for 1 out of 3 base-neutral fraction surrogates in client sample -002. Qualification of client sample results was not required based on this QC outlier alone.

GCMS SVOC MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for several target analytes. Please reference the attached Qualified Analytical Results summary for target analytes considered to be estimated and qualified with UJ flags if non-detect and J flags if detected.

GCMS SVOC QC batch 46255 MS recovery outliers were not performed on a sample from this submittal. Qualification of client sample results is not required based on these sample-matrix specific QC outliers.

GCMS SVOC internal standard outliers were present for samples -006, -007 and -008 according to the laboratory submittal case narrative. Qualification of client sample results could not be made based on the internal standard outlier information provided.

PCB surrogate recoveries were outside of laboratory control limits biased low for 2 out of 2 surrogates in client sample -001 and 1 out of 2 surrogates in client sample -002 and its matrix spike. Client sample -001 PCB results should be considered to be estimated and qualified with UJ flags.

PCB MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for aroclor 1016. Client sample -002 aroclor 1016 results should be considered to be estimated and qualified with a UJ flag.

DRO QC batch method blank had a detection below the RL. Client sample -002 DRO results should be considered to be non-detect at the concentration reported and qualified with a UB flag.

Metals method blank for QC batch 45326 had detections below the RL for barium, calcium, iron, potassium, manganese and zinc. QC batch method blank had detections below the RL for calcium, magnesium and potassium. Qualification of client sample results was not required based on these method blank detections.

Metals MS recovery and MS/MSD RPD performed on client sample -004 were outside of laboratory control limits with the recovery biased high for chromium. Client sample -004 chromium result should be considered to be estimated and qualified with a J flag.

Note: Surrogate recovery data was not available for DRO analyses.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia, Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 11623-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	GCMS SVOC	PCB	Wisconsin DRO Method	ICP Metals	Mercury (Manual Cold Vapor)	Mercury in Solid Waste
240116231	ASB-203(20120522)	5/22/2012	7:00:00	X	X	X	X	X	X	
240116232	ASB-209(20120522)	5/23/2012	11:00:00	X	X	X	X	X	X	
240116233	TB-001(20120523	5/22/2012	12:00:00	X						
240116234	ASB-209_10-12(20120523)	5/23/2012	10:30:00	X	X	X	X	X		X
240116235	ASB-209_5-6.5(20120523)	5/23/2012	10:35:00	X	X	X	X	X		X
240116236	HA-208_0-2(20120523)	5/23/2012	7:10:00	X	X	X	X	X		X
240116237	ASB-210-_10-11.5(20120523)	5/23/2012	1:00:00	X	X	X		X		X
240116238	ASB-211-_7.5-10(20120523)	5/23/2012	2:30:00	X	X	X		X		X

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-203(20120522)				ASB-209(20120522)				ASB-209_10-12(20120523)				ASB-209_5-6.5(20120523)			
		Lab Sample ID:	240116231				240116232				240116234				240116235			
		Sample Date:	5/22/2012				5/23/2012				5/23/2012				5/23/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																		
	OSW-8260B																	
	Dichlorodifluoromethane	75-71-8									34	270	ug/kg	UB	28	280	ug/kg	UB
GC/MS SVOC																		
	OSW-8270C																	
	2,4-Dinitrotoluene	121-14-2	ND	4.8	ug/l	R												
	2,6-Dinitrotoluene	606-20-2	ND	4.8	ug/l	R												
	2-Chloronaphthalene	91-58-7	ND	0.95	ug/l	R												
	2-Methylnaphthalene	91-57-6	ND	0.19	ug/l	R												
	2-Nitroaniline	88-74-4	ND	1.9	ug/l	R												
	3-Nitroaniline	99-09-2	ND	1.9	ug/l	R												
	4-Bromophenyl phenyl ether	101-55-3	ND	1.9	ug/l	R												
	4-Chloroaniline	106-47-8	ND	1.9	ug/l	R												
	4-Chlorophenyl phenyl ether	7005-72-3	ND	1.9	ug/l	R												
	4-Nitroaniline	100-01-6	ND	1.9	ug/l	R												
	Acenaphthene	83-32-9	ND	0.19	ug/l	R												
	Acenaphthylene	208-96-8	ND	0.19	ug/l	R												
	Acetophenone	98-86-2	ND	0.95	ug/l	R												
	Anthracene	120-12-7	ND	0.19	ug/l	R												
	Atrazine	1912-24-9	ND	0.95	ug/l	R												
	Benzaldehyde	100-52-7	ND	0.95	ug/l	R												
	Benzo[a]anthracene	56-55-3	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Benzo[a]pyrene	50-32-8	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Benzo[b]fluoranthene	205-99-2	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Benzo[g,h,i]perylene	191-24-2	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Benzo[k]fluoranthene	207-08-9	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Bis(2-chloroethoxy)methane	111-91-1	ND	0.95	ug/l	R												
	Bis(2-chloroethyl)ether	111-44-4	ND	0.95	ug/l	R												
	Bis(2-ethylhexyl) phthalate	117-81-7	1.6	1.9	ug/l	J	8.0	2.1	ug/l	J								
	Butyl benzyl phthalate	85-68-7	ND	0.95	ug/l	R												
	Caprolactam	105-60-2	ND	4.8	ug/l	R												
	Carbazole	86-74-8	ND	0.95	ug/l	R												
	Chrysene	218-01-9	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Di-n-butyl phthalate	84-74-2	0.83	0.95	ug/l	J												
	Di-n-octyl phthalate	117-84-0	ND	0.95	ug/l	R	ND	1.1	ug/l	UJ								
	Dibenz(a,h)anthracene	53-70-3	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Dibenzofuran	132-64-9	ND	0.95	ug/l	R												
	Diethyl phthalate	84-66-2	1.0	0.95	ug/l	J												
	Dimethyl phthalate	131-11-3	ND	0.95	ug/l	R												
	Fluoranthene	206-44-0	ND	0.19	ug/l	R												
	Fluorene	86-73-7	ND	0.19	ug/l	R												
	Hexachlorobenzene	118-74-1	ND	0.19	ug/l	R												
	Hexachlorobutadiene	87-68-3	ND	0.95	ug/l	R												
	Hexachlorocyclopentadiene	77-47-4	ND	9.5	ug/l	R												
	Hexachloroethane	67-72-1	ND	0.95	ug/l	R												
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
	Isophorone	78-59-1	ND	0.95	ug/l	R												
	N-Nitrosodi-n-propylamine	621-64-7	ND	0.95	ug/l	R												
	N-Nitrosodiphenylamine	86-30-6	ND	0.95	ug/l	R												
	Naphthalene	91-20-3	ND	0.19	ug/l	R												
	Nitrobenzene	98-95-3	ND	0.95	ug/l	R												
	Phenanthrene	85-01-8	ND	0.19	ug/l	R												
	Pyrene	129-00-0	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ								
Pest & PCB																		
	OSW-8082																	
	Aroclor-1016	12674-11-2	ND	0.22	ug/l	UJ	ND	0.21	ug/l	UJ								
	Aroclor-1221	11104-28-2	ND	0.22	ug/l	UJ												
	Aroclor-1232	11141-16-5	ND	0.22	ug/l	UJ												
	Aroclor-1242	53469-21-9	ND	0.22	ug/l	UJ												
	Aroclor-1248	12672-29-6	ND	0.22	ug/l	UJ												
	Aroclor-1254	11097-69-1	ND	0.22	ug/l	UJ												
	Aroclor-1260	11096-82-5	ND	0.22	ug/l	UJ												
GC Other																		
	PUBL-SW-141																	
	WI Diesel Range Organics (C10-C28)	E-1004					0.14	0.11	mg/l	B								
Metals																		
	OSW-6010B																	
	Chromium	7440-47-3									18	0.55	mg/kg	J				

GCMS VOC QC batch 45549 method blank had a detection below the RL for dichlorodifluoromethane. Client samples -004 and -005 dichlorodifluoromethane results should be considered to be non-detect at the RL and qualified with **UB** flags.

GCMS SVOC surrogate recoveries were outside of laboratory control limits biased low and less than 10% for 1 out of 3 base-neutral fraction surrogates in client sample -001. Client sample -001 GCMS SVOC base-neutral fraction analytes should be considered to be unusable and qualified with **R** flags if non-detect and estimated with **J** flags if detected. Sample re-analysis results were not available.

GCMS SVOC MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for several target analytes. Please reference the attached Qualified Analytical Results summary for target analytes considered to be estimated and qualified with **UJ** flags if non-detect and **J** flags if detected.

PCB surrogate recoveries were outside of laboratory control limits biased low for 2 out of 2 surrogates in client sample -001 and 1 out of 2 surrogates in client sample -002 and its matrix spike. Client sample -001 PCB results should be considered to be estimated and qualified with **UJ** flags.

PCB MS/MSD recoveries performed on client sample -002 were outside of laboratory control limits biased low for aroclor 1016. Client sample -002 aroclor 1016 results should be considered to be estimated and qualified with a **UJ** flag.

DRO QC batch method blank had a detection below the RL. Client sample -002 DRO results should be considered to be non-detect at the concentration reported and qualified with a **UB** flag.

Metals MS recovery and MS/MSD RPD performed on client sample -004 were outside of laboratory control limits with the recovery biased high for chromium. Client sample -004 chromium result should be considered to be estimated and qualified with a **J** flag

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-203(20120522)				ASB-209(20120522)				TB-001(20120523			
		Lab Sample ID:	240116231				240116232				240116233			
		Sample Date:	5/22/2012				5/23/2012				5/22/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	2.0	ug/l	---	ND	2.0	ug/l	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3		2.0	10	ug/l	J	0.97	10	ug/l	J	ND	10	ug/l	---
2-Chlorotoluene	95-49-8		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6		ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	10	ug/l	---	ND	10	ug/l	---	ND	5.0	ug/l	---
Acetone	67-64-1		17	10	ug/l	---	2.2	10	ug/l	J	ND	10	ug/l	---
Allyl chloride	107-05-1		ND	2.0	ug/l	---	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Benzene	71-43-2		0.37	1.0	ug/l	J	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromoform	75-25-2		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Bromomethane	74-83-9		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0		ND	1.0	ug/l	---	0.13	1.0	ug/l	J	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroethane	75-00-3		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloroform	67-66-3		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Chloromethane	74-87-3		1.1	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7		0.12	1.0	ug/l	J	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4		ND	2.0	ug/l	---	ND	2.0	ug/l	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7		ND	2.0	ug/l	---	ND	2.0	ug/l	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1		ND	2.0	ug/l	---	ND	2.0	ug/l	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9		ND	10	ug/l	---	ND	10	ug/l	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4		8.9	5.0	ug/l	---	1.9	5.0	ug/l	J	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Naphthalene	91-20-3		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
o-Xylene	95-47-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Styrene	100-42-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9		ND	5.0	ug/l	---	ND	5.0	ug/l	---	ND	5.0	ug/l	---
Toluene	108-88-3		0.23	1.0	ug/l	J	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6		ND	1.0	ug/l	---	2.4	1.0	ug/l	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4		ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-203(20120522)				ASB-209(20120522)				TB-001(20120523			
		Lab Sample ID:	240116231				240116232				240116233			
		Sample Date:	5/22/2012				5/23/2012				5/22/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	0.95	ug/l	---	ND	1.1	ug/l	---				
2,2'-oxybis[1-chloropropane]	108-60-1	ND	0.95	ug/l	---	ND	1.1	ug/l	---				
2,4,5-Trichlorophenol	95-95-4	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
2,4,6-Trichlorophenol	88-06-2	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
2,4-Dichlorophenol	120-83-2	ND	1.9	ug/l	---	ND	2.1	ug/l	---				
2,4-Dimethylphenol	105-67-9	ND	1.9	ug/l	---	ND	2.1	ug/l	---				
2,4-Dinitrophenol	51-28-5	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
2,4-Dinitrotoluene	121-14-2	ND	4.8	ug/l	R	ND	5.3	ug/l	---				
2,6-Dinitrotoluene	606-20-2	ND	4.8	ug/l	R	ND	5.3	ug/l	---				
2-Chloronaphthalene	91-58-7	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
2-Chlorophenol	95-57-8	ND	0.95	ug/l	---	ND	1.1	ug/l	---				
2-Methylnaphthalene	91-57-6	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
2-Methylphenol	95-48-7	ND	0.95	ug/l	---	ND	1.1	ug/l	---				
2-Nitroaniline	88-74-4	ND	1.9	ug/l	R	ND	2.1	ug/l	---				
2-Nitrophenol	88-75-5	ND	1.9	ug/l	---	ND	2.1	ug/l	---				
3 & 4 Methylphenol	65794-96-9	ND	1.9	ug/l	---	ND	2.1	ug/l	---				
3,3'-Dichlorobenzidine	91-94-1	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
3-Nitroaniline	99-09-2	ND	1.9	ug/l	R	ND	2.1	ug/l	---				
4,6-Dinitro-2-methylphenol	534-52-1	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
4-Bromophenyl phenyl ether	101-55-3	ND	1.9	ug/l	R	ND	2.1	ug/l	---				
4-Chloro-3-methylphenol	59-50-7	3.2	1.9	ug/l	---	ND	2.1	ug/l	---				
4-Chloroaniline	106-47-8	ND	1.9	ug/l	R	ND	2.1	ug/l	---				
4-Chlorophenyl phenyl ether	7005-72-3	ND	1.9	ug/l	R	ND	2.1	ug/l	---				
4-Nitroaniline	100-01-6	ND	1.9	ug/l	R	ND	2.1	ug/l	---				
4-Nitrophenol	100-02-7	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
Acenaphthene	83-32-9	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Acenaphthylene	208-96-8	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Acetophenone	98-86-2	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Anthracene	120-12-7	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Atrazine	1912-24-9	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Benzaldehyde	100-52-7	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Benzo[a]anthracene	56-55-3	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Benzo[a]pyrene	50-32-8	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Benzo[b]fluoranthene	205-99-2	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Benzo[g,h,i]perylene	191-24-2	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Benzo[k]fluoranthene	207-08-9	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Bis(2-chloroethoxy)methane	111-91-1	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Bis(2-chloroethyl)ether	111-44-4	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Bis(2-ethylhexyl) phthalate	117-81-7	1.6	1.9	ug/l	J	8.0	2.1	ug/l	J				
Butyl benzyl phthalate	85-68-7	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Caprolactam	105-60-2	ND	4.8	ug/l	R	ND	5.3	ug/l	---				
Carbazole	86-74-8	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Chrysene	218-01-9	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Di-n-butyl phthalate	84-74-2	0.83	0.95	ug/l	J	ND	1.1	ug/l	---				
Di-n-octyl phthalate	117-84-0	ND	0.95	ug/l	R	ND	1.1	ug/l	UJ				
Dibenz(a,h)anthracene	53-70-3	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Dibenzofuran	132-64-9	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Diethyl phthalate	84-66-2	1.0	0.95	ug/l	J	ND	1.1	ug/l	---				
Dimethyl phthalate	131-11-3	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Fluoranthene	206-44-0	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Fluorene	86-73-7	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Hexachlorobenzene	118-74-1	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Hexachlorobutadiene	87-68-3	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Hexachlorocyclopentadiene	77-47-4	ND	9.5	ug/l	R	ND	11	ug/l	---				
Hexachloroethane	67-72-1	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				
Isophorone	78-59-1	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
N-Nitrosodi-n-propylamine	621-64-7	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
N-Nitrosodiphenylamine	86-30-6	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Naphthalene	91-20-3	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Nitrobenzene	98-95-3	ND	0.95	ug/l	R	ND	1.1	ug/l	---				
Pentachlorophenol	87-86-5	ND	4.8	ug/l	---	ND	5.3	ug/l	---				
Phenanthrene	85-01-8	ND	0.19	ug/l	R	ND	0.21	ug/l	---				
Phenol	108-95-2	ND	0.95	ug/l	---	ND	1.1	ug/l	---				
Pyrene	129-00-0	ND	0.19	ug/l	R	ND	0.21	ug/l	UJ				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-203(20120522)				ASB-209(20120522)				TB-001(20120523			
		Lab Sample ID:	240116231				240116232				240116233			
		Sample Date:	5/22/2012				5/23/2012				5/22/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	0.22	ug/l	UJ	ND	0.21	ug/l	UJ				
	Aroclor-1221	11104-28-2	ND	0.22	ug/l	UJ	ND	0.21	ug/l	---				
	Aroclor-1232	11141-16-5	ND	0.22	ug/l	UJ	ND	0.21	ug/l	---				
	Aroclor-1242	53469-21-9	ND	0.22	ug/l	UJ	ND	0.21	ug/l	---				
	Aroclor-1248	12672-29-6	ND	0.22	ug/l	UJ	ND	0.21	ug/l	---				
	Aroclor-1254	11097-69-1	ND	0.22	ug/l	UJ	ND	0.21	ug/l	---				
	Aroclor-1260	11096-82-5	ND	0.22	ug/l	UJ	ND	0.21	ug/l	---				
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	0.32	0.11	mg/l	---	0.14	0.11	mg/l	B				
Metals														
	OSW-6010B													
	Aluminum	7429-90-5	500	200	ug/l	---								
	Antimony	7440-36-0	ND	10	ug/l	---								
	Arsenic	7440-38-2	3.6	10	ug/l	J	4.1	10	ug/l	J				
	Barium	7440-39-3	270	200	ug/l	---	240	200	ug/l	---				
	Beryllium	7440-41-7	ND	5.0	ug/l	---								
	Cadmium	7440-43-9	ND	5.0	ug/l	---	ND	5.0	ug/l	---				
	Calcium	7440-70-2	170000	5000	ug/l	---								
	Chromium	7440-47-3	ND	10	ug/l	---	ND	10	ug/l	---				
	Cobalt	7440-48-4	17	7.0	ug/l	---								
	Copper	7440-50-8	ND	25	ug/l	---								
	Iron	7439-89-6	1800	100	ug/l	---								
	Lead	7439-92-1	ND	3.0	ug/l	---	ND	3.0	ug/l	---				
	Magnesium	7439-95-4	62000	5000	ug/l	---								
	Manganese	7439-96-5	2400	15	ug/l	---								
	Nickel	7440-02-0	20	40	ug/l	J								
	Potassium	7440-09-7	7800	5000	ug/l	---								
	Selenium	7782-49-2	ND	5.0	ug/l	---	ND	5.0	ug/l	---				
	Silver	7440-22-4	ND	10	ug/l	---	ND	10	ug/l	---				
	Sodium	7440-23-5	82000	5000	ug/l	---								
	Thallium	7440-28-0	ND	10	ug/l	---								
	Vanadium	7440-62-2	ND	7.0	ug/l	---								
	Zinc	7440-66-6												
	OSW-7470A													
	Mercury	7439-97-6	ND	0.20	ug/l	---	ND	0.20	ug/l	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-209_10-12(20120523)				ASB-209_5-6.5(20120523)				HA-208_0-2(20120523)			
		Lab Sample ID:	240116234				240116235				240116236			
		Sample Date:	5/23/2012				5/23/2012				5/23/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	8.2	270	ug/kg	J	14	280	ug/kg	J	ND	240	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	950	ug/kg	---
2-Chlorotoluene	95-49-8	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
2-Hexanone	591-78-6	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	950	ug/kg	---
4-Chlorotoluene	106-43-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	950	ug/kg	---
Acetone	67-64-1	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	950	ug/kg	---
Allyl chloride	107-05-1	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
Benzene	71-43-2	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Bromobenzene	108-86-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Bromochloromethane	74-97-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Bromodichloromethane	75-27-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Bromoform	75-25-2	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Bromomethane	74-83-9	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Carbon disulfide	75-15-0	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Carbon tetrachloride	56-23-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Chlorobenzene	108-90-7	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Chlorodibromomethane	124-48-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Chloroethane	75-00-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Chloroform	67-66-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Chloromethane	74-87-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Cyclohexane	110-82-7	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
Dibromomethane	74-95-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Dichlorodifluoromethane	75-71-8	34	270	ug/kg	UB	28	280	ug/kg	UB	ND	240	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
Ethyl ether	60-29-7	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
Ethylbenzene	100-41-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Isopropylbenzene	98-82-8	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
Methyl acetate	79-20-9	110	540	ug/kg	J	210	570	ug/kg	J	120	480	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	950	ug/kg	---
Methylcyclohexane	108-87-2	ND	540	ug/kg	---	ND	570	ug/kg	---	ND	480	ug/kg	---
Methylene Chloride	75-09-2	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
n-Butylbenzene	104-51-8	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
N-Propylbenzene	103-65-1	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Naphthalene	91-20-3	11	270	ug/kg	J	11	280	ug/kg	J	ND	240	ug/kg	---
o-Xylene	95-47-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
sec-Butylbenzene	135-98-8	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Styrene	100-42-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
tert-Butylbenzene	98-06-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Tetrachloroethene	127-18-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	950	ug/kg	---
Toluene	108-88-3	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Trichloroethene	79-01-6	4000	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---
Vinyl chloride	75-01-4	ND	270	ug/kg	---	ND	280	ug/kg	---	ND	240	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-209_10-12(20120523)				ASB-209_5-6.5(20120523)				HA-208_0-2(20120523)			
		Lab Sample ID:	240116234				240116235				240116236			
		Sample Date:	5/23/2012				5/23/2012				5/23/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2-Chlorophenol	95-57-8	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	380	ug/kg	---	17	370	ug/kg	J	ND	370	ug/kg	---
	2-Methylphenol	95-48-7	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	2-Nitroaniline	88-74-4	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	2-Nitrophenol	88-75-5	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	460	ug/kg	---	ND	440	ug/kg	---	ND	450	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	3-Nitroaniline	99-09-2	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	4-Chloroaniline	106-47-8	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	4-Nitroaniline	100-01-6	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	4-Nitrophenol	100-02-7	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	Acenaphthene	83-32-9	ND	380	ug/kg	---	19	370	ug/kg	J	ND	370	ug/kg	---
	Acenaphthylene	208-96-8	ND	380	ug/kg	---	15	370	ug/kg	J	ND	370	ug/kg	---
	Acetophenone	98-86-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Anthracene	120-12-7	ND	380	ug/kg	---	44	370	ug/kg	J	ND	370	ug/kg	---
	Atrazine	1912-24-9	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Benzaldehyde	100-52-7	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Benzo[a]anthracene	56-55-3	35	380	ug/kg	J	150	370	ug/kg	J	ND	370	ug/kg	---
	Benzo[a]pyrene	50-32-8	37	380	ug/kg	J	130	370	ug/kg	J	ND	370	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	44	380	ug/kg	J	150	370	ug/kg	J	ND	370	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	33	380	ug/kg	J	92	370	ug/kg	J	ND	370	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	28	380	ug/kg	J	83	370	ug/kg	J	ND	370	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	38	380	ug/kg	J	140	370	ug/kg	J	690	370	ug/kg	---
	Butyl benzyl phthalate	85-68-7	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Caprolactam	105-60-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Carbazole	86-74-8	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Chrysene	218-01-9	38	380	ug/kg	J	160	370	ug/kg	J	ND	370	ug/kg	---
	Di-n-butyl phthalate	84-74-2	ND	380	ug/kg	---	ND	370	ug/kg	---	21	370	ug/kg	J
	Di-n-octyl phthalate	117-84-0	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Dibenzofuran	132-64-9	ND	380	ug/kg	---	16	370	ug/kg	J	ND	370	ug/kg	---
	Diethyl phthalate	84-66-2	ND	380	ug/kg	---	ND	370	ug/kg	---	140	370	ug/kg	J
	Dimethyl phthalate	131-11-3	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Fluoranthene	206-44-0	45	380	ug/kg	J	250	370	ug/kg	J	43	370	ug/kg	J
	Fluorene	86-73-7	ND	380	ug/kg	---	27	370	ug/kg	J	ND	370	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4	ND	1800	ug/kg	---	ND	1800	ug/kg	---	ND	1800	ug/kg	---
	Hexachloroethane	67-72-1	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	25	380	ug/kg	J	66	370	ug/kg	J	ND	370	ug/kg	---
	Isophorone	78-59-1	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Naphthalene	91-20-3	ND	380	ug/kg	---	18	370	ug/kg	J	ND	370	ug/kg	---
	Nitrobenzene	98-95-3	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Pentachlorophenol	87-86-5	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Phenanthrene	85-01-8	20	380	ug/kg	J	200	370	ug/kg	J	ND	370	ug/kg	---
	Phenol	108-95-2	ND	380	ug/kg	---	ND	370	ug/kg	---	ND	370	ug/kg	---
	Pyrene	129-00-0	50	380	ug/kg	J	210	370	ug/kg	J	36	370	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-209_10-12(20120523)				ASB-209_5-6.5(20120523)				HA-208_0-2(20120523)			
		Lab Sample ID:	240116234				240116235				240116236			
		Sample Date:	5/23/2012				5/23/2012				5/23/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1221	11104-28-2	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1232	11141-16-5	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1242	53469-21-9	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1248	12672-29-6	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1254	11097-69-1	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1260	11096-82-5	ND	38	ug/kg	---	ND	37	ug/kg	---	ND	37	ug/kg	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	100	55	mg/kg	---	42	10	mg/kg	---	260	61	mg/kg	---
Metals														
	OSW-6010B													
	Aluminum	7429-90-5									3200	21	mg/kg	---
	Antimony	7440-36-0									1.3	1.1	mg/kg	---
	Arsenic	7440-38-2	3.6	1.1	mg/kg	---	2.9	0.96	mg/kg	---	2.4	1.1	mg/kg	---
	Barium	7440-39-3	47	22	mg/kg	---	49	19	mg/kg	---	74	21	mg/kg	---
	Beryllium	7440-41-7									0.16	0.53	mg/kg	J
	Cadmium	7440-43-9	ND	0.22	mg/kg	---	ND	0.19	mg/kg	---	ND	0.21	mg/kg	---
	Calcium	7440-70-2									26000	530	mg/kg	---
	Chromium	7440-47-3	18	0.55	mg/kg	J	29	0.48	mg/kg	---	6.9	0.53	mg/kg	---
	Cobalt	7440-48-4									15	5.3	mg/kg	---
	Copper	7440-50-8									7.0	2.7	mg/kg	---
	Iron	7439-89-6									8400	11	mg/kg	---
	Lead	7439-92-1	6.4	0.33	mg/kg	---	7.2	0.29	mg/kg	---	4.1	0.32	mg/kg	---
	Magnesium	7439-95-4									13000	530	mg/kg	---
	Manganese	7439-96-5									460	1.6	mg/kg	---
	Nickel	7440-02-0									11	4.3	mg/kg	---
	Potassium	7440-09-7									700	530	mg/kg	---
	Selenium	7782-49-2	0.81	0.55	mg/kg	---	ND	0.48	mg/kg	---	0.60	0.53	mg/kg	---
	Silver	7440-22-4	ND	0.55	mg/kg	---	ND	0.48	mg/kg	---	ND	0.53	mg/kg	---
	Sodium	7440-23-5									1600	530	mg/kg	---
	Thallium	7440-28-0									ND	1.1	mg/kg	---
	Vanadium	7440-62-2									14	5.3	mg/kg	---
	Zinc	7440-66-6									27	2.1	mg/kg	---
	OSW-7470A													
	Mercury	7439-97-6	0.019	0.11	mg/kg	J	0.026	0.11	mg/kg	J	ND	0.098	mg/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

			Sample Name:	ASB-210-_10-11.5(20120523)			ASB-211-_7.5-10(20120523)			
			Lab Sample ID:	240116237			240116238			
			Sample Date:	5/23/2012			5/23/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
OSW-8260B										
	1,1,1,2-Tetrachloroethane	630-20-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1,1-Trichloroethane	71-55-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1,2,2-Tetrachloroethane	79-34-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1,2-Trichloroethane	79-00-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1-Dichloroethane	75-34-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1-Dichloroethene	75-35-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,1-Dichloropropene	563-58-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2,3-Trichlorobenzene	87-61-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2,3-Trichloropropane	96-18-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2,4-Trichlorobenzene	120-82-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2,4-Trimethylbenzene	95-63-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2-Dibromo-3-Chloropropane	96-12-8	ND	510	ug/kg	---	ND	510	ug/kg	---
	1,2-Dibromoethane	106-93-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2-Dichlorobenzene	95-50-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2-Dichloroethane	107-06-2	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,2-Dichloropropane	78-87-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,3,5-Trimethylbenzene	108-67-8	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,3-Dichlorobenzene	541-73-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,3-Dichloropropane	142-28-9	ND	260	ug/kg	---	ND	250	ug/kg	---
	1,4-Dichlorobenzene	106-46-7	ND	260	ug/kg	---	ND	250	ug/kg	---
	2,2-Dichloropropane	594-20-7	ND	260	ug/kg	---	ND	250	ug/kg	---
	2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---	ND	1000	ug/kg	---
	2-Chlorotoluene	95-49-8	ND	260	ug/kg	---	ND	250	ug/kg	---
	2-Hexanone	591-78-6	ND	1000	ug/kg	---	ND	1000	ug/kg	---
	4-Chlorotoluene	106-43-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---	ND	1000	ug/kg	---
	Acetone	67-64-1	ND	1000	ug/kg	---	ND	1000	ug/kg	---
	Allyl chloride	107-05-1	ND	510	ug/kg	---	ND	510	ug/kg	---
	Benzene	71-43-2	ND	260	ug/kg	---	ND	250	ug/kg	---
	Bromobenzene	108-86-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	Bromochloromethane	74-97-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	Bromodichloromethane	75-27-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	Bromoform	75-25-2	ND	260	ug/kg	---	ND	250	ug/kg	---
	Bromomethane	74-83-9	ND	260	ug/kg	---	ND	250	ug/kg	---
	Carbon disulfide	75-15-0	ND	260	ug/kg	---	ND	250	ug/kg	---
	Carbon tetrachloride	56-23-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	Chlorobenzene	108-90-7	ND	260	ug/kg	---	ND	250	ug/kg	---
	Chlorodibromomethane	124-48-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	Chloroethane	75-00-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	Chloroform	67-66-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	Chloromethane	74-87-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	cis-1,2-Dichloroethene	156-59-2	ND	260	ug/kg	---	ND	250	ug/kg	---
	cis-1,3-Dichloropropene	10061-01-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	Cyclohexane	110-82-7	ND	510	ug/kg	---	ND	510	ug/kg	---
	Dibromomethane	74-95-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	Dichlorodifluoromethane	75-71-8	ND	260	ug/kg	---	ND	250	ug/kg	---
	Dichlorofluoromethane	75-43-4	ND	510	ug/kg	---	ND	510	ug/kg	---
	Ethyl ether	60-29-7	ND	510	ug/kg	---	ND	510	ug/kg	---
	Ethylbenzene	100-41-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	Isopropylbenzene	98-82-8	ND	260	ug/kg	---	ND	250	ug/kg	---
	m-Xylene & p-Xylene	179601-23-1	ND	510	ug/kg	---	ND	510	ug/kg	---
	Methyl acetate	79-20-9	ND	510	ug/kg	---	ND	510	ug/kg	---
	Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---	ND	1000	ug/kg	---
	Methylcyclohexane	108-87-2	ND	510	ug/kg	---	ND	510	ug/kg	---
	Methylene Chloride	75-09-2	ND	260	ug/kg	---	ND	250	ug/kg	---
	n-Butylbenzene	104-51-8	ND	260	ug/kg	---	ND	250	ug/kg	---
	N-Propylbenzene	103-65-1	ND	260	ug/kg	---	ND	250	ug/kg	---
	Naphthalene	91-20-3	ND	260	ug/kg	---	10	250	ug/kg	J
	o-Xylene	95-47-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	p-Isopropyltoluene	99-87-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	sec-Butylbenzene	135-98-8	ND	260	ug/kg	---	ND	250	ug/kg	---
	Styrene	100-42-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	tert-Butylbenzene	98-06-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	Tetrachloroethene	127-18-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	1000	ug/kg	---
	Toluene	108-88-3	ND	260	ug/kg	---	ND	250	ug/kg	---
	trans-1,2-Dichloroethene	156-60-5	ND	260	ug/kg	---	ND	250	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	Trichloroethene	79-01-6	ND	260	ug/kg	---	ND	250	ug/kg	---
	Trichlorofluoromethane	75-69-4	ND	260	ug/kg	---	ND	250	ug/kg	---
	Vinyl chloride	75-01-4	ND	260	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-210-_10-11.5(20120523)				ASB-211-_7.5-10(20120523)			
		Lab Sample ID:	240116237				240116238			
		Sample Date:	5/23/2012				5/23/2012			
	Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
GC/MS SVOC										
	OSW-8270C									
	1,1'-Biphenyl	92-52-4	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	2-Chlorophenol	95-57-8	ND	340	ug/kg	---	ND	360	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	340	ug/kg	---	ND	360	ug/kg	---
	2-Methylphenol	95-48-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	2-Nitroaniline	88-74-4	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	2-Nitrophenol	88-75-5	ND	340	ug/kg	---	ND	360	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	410	ug/kg	---	ND	440	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	3-Nitroaniline	99-09-2	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	4-Chloroaniline	106-47-8	ND	340	ug/kg	---	ND	360	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	4-Nitroaniline	100-01-6	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	4-Nitrophenol	100-02-7	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	Acenaphthene	83-32-9	ND	340	ug/kg	---	ND	360	ug/kg	---
	Acenaphthylene	208-96-8	ND	340	ug/kg	---	8.2	360	ug/kg	J
	Acetophenone	98-86-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	Anthracene	120-12-7	ND	340	ug/kg	---	10	360	ug/kg	J
	Atrazine	1912-24-9	ND	340	ug/kg	---	ND	360	ug/kg	---
	Benzaldehyde	100-52-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	Benzo[a]anthracene	56-55-3	14	340	ug/kg	J	58	360	ug/kg	J
	Benzo[a]pyrene	50-32-8	ND	340	ug/kg	---	51	360	ug/kg	J
	Benzo[b]fluoranthene	205-99-2	16	340	ug/kg	J	71	360	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2	ND	340	ug/kg	---	47	360	ug/kg	J
	Benzo[k]fluoranthene	207-08-9	ND	340	ug/kg	---	37	360	ug/kg	J
	Bis(2-chloroethoxy)methane	111-91-1	ND	340	ug/kg	---	ND	360	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	340	ug/kg	---	ND	360	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	23	340	ug/kg	J	40	360	ug/kg	J
	Butyl benzyl phthalate	85-68-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	Caprolactam	105-60-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	Carbazole	86-74-8	ND	340	ug/kg	---	ND	360	ug/kg	---
	Chrysene	218-01-9	14	340	ug/kg	J	63	360	ug/kg	J
	Di-n-butyl phthalate	84-74-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	340	ug/kg	---	ND	360	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	Dibenzofuran	132-64-9	ND	340	ug/kg	---	ND	360	ug/kg	---
	Diethyl phthalate	84-66-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	Dimethyl phthalate	131-11-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	Fluoranthene	206-44-0	24	340	ug/kg	J	88	360	ug/kg	J
	Fluorene	86-73-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	340	ug/kg	---	ND	360	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4	ND	1700	ug/kg	---	ND	1800	ug/kg	---
	Hexachloroethane	67-72-1	ND	340	ug/kg	---	ND	360	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	340	ug/kg	---	40	360	ug/kg	J
	Isophorone	78-59-1	ND	340	ug/kg	---	ND	360	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	340	ug/kg	---	ND	360	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	340	ug/kg	---	ND	360	ug/kg	---
	Naphthalene	91-20-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	Nitrobenzene	98-95-3	ND	340	ug/kg	---	ND	360	ug/kg	---
	Pentachlorophenol	87-86-5	ND	340	ug/kg	---	ND	360	ug/kg	---
	Phenanthrene	85-01-8	15	340	ug/kg	J	40	360	ug/kg	J
	Phenol	108-95-2	ND	340	ug/kg	---	ND	360	ug/kg	---
	Pyrene	129-00-0	20	340	ug/kg	J	77	360	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11623-1

		Sample Name:	ASB-210-_10-11.5(20120523)				ASB-211-_7.5-10(20120523)			
		Lab Sample ID:	240116237				240116238			
		Sample Date:	5/23/2012				5/23/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB										
	OSW-8082									
	Aroclor-1016	12674-11-2	ND	34	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1221	11104-28-2	ND	34	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1232	11141-16-5	ND	34	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1242	53469-21-9	ND	34	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1248	12672-29-6	ND	34	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1254	11097-69-1	ND	34	ug/kg	---	ND	37	ug/kg	---
	Aroclor-1260	11096-82-5	ND	34	ug/kg	---	ND	37	ug/kg	---
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004								
Metals										
	OSW-6010B									
	Aluminum	7429-90-5	2900	20	mg/kg	---	4100	19	mg/kg	---
	Antimony	7440-36-0	0.53	1.0	mg/kg	J	ND	0.97	mg/kg	---
	Arsenic	7440-38-2	2.7	1.0	mg/kg	---	3.0	0.97	mg/kg	---
	Barium	7440-39-3	49	20	mg/kg	---	51	19	mg/kg	---
	Beryllium	7440-41-7	0.12	0.50	mg/kg	J	0.19	0.49	mg/kg	J
	Cadmium	7440-43-9	ND	0.20	mg/kg	---	ND	0.19	mg/kg	---
	Calcium	7440-70-2	28000	500	mg/kg	---	41000	490	mg/kg	---
	Chromium	7440-47-3	11	0.50	mg/kg	---	10	0.49	mg/kg	---
	Cobalt	7440-48-4	6.0	5.0	mg/kg	---	6.7	4.9	mg/kg	---
	Copper	7440-50-8	10	2.5	mg/kg	---	12	2.4	mg/kg	---
	Iron	7439-89-6	11000	10	mg/kg	---	15000	9.7	mg/kg	---
	Lead	7439-92-1	3.8	0.30	mg/kg	---	8.2	0.29	mg/kg	---
	Magnesium	7439-95-4	8900	500	mg/kg	---	19000	490	mg/kg	---
	Manganese	7439-96-5	460	1.5	mg/kg	---	740	1.5	mg/kg	---
	Nickel	7440-02-0	12	4.0	mg/kg	---	14	3.9	mg/kg	---
	Potassium	7440-09-7	460	500	mg/kg	J	470	490	mg/kg	J
	Selenium	7782-49-2	0.69	0.50	mg/kg	---	0.46	0.49	mg/kg	J
	Silver	7440-22-4	ND	0.50	mg/kg	---	ND	0.49	mg/kg	---
	Sodium	7440-23-5	79	500	mg/kg	J	ND	490	mg/kg	---
	Thallium	7440-28-0	ND	1.0	mg/kg	---	ND	0.97	mg/kg	---
	Vanadium	7440-62-2	14	5.0	mg/kg	---	17	4.9	mg/kg	---
	Zinc	7440-66-6	24	2.0	mg/kg	---	21	1.9	mg/kg	---
	OSW-7470A									
	Mercury	7439-97-6	ND	0.10	mg/kg	---	0.029	0.12	mg/kg	J

June 12, 2012

Rebecca Forbort
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 11664-1
Sample date: 2012-05-24
Report received by Enovis: 2012-06-11
Initial Data Verification completed by Enovis: 2012-06-12

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s).
4 Solid sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s). 1 Trip blank and 1 Methanol trip blank were analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 45549 had a detection below the RL for dichlorodifluoromethane. Client samples -001, -002, -005, -006 and -007 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags. QC batch 46002 method blank had detections below the RL for 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and hexachlorobutadiene. Qualification of client sample results were not required based on these QC batch 46002 method blank detections.

GCMS VOC trip blank and methanol trip blank had detections below the RL for dichlorodifluoromethane and methylacetate. Client samples -001, -002, -003 and -005 methylacetate results should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC LCS recoveries were outside of laboratory control limits biased high for QC batch 45549 vinyl chloride and QC batch 46002 1,1,2-trichloroethane and 1,2-dibromoethane results. Qualification of client sample results was not required based on these high bias QC outliers.

GCMS SVOC method blank for QC batch 45551 had a detection below the RL for caprolactam. Qualification of client sample results was not required based on this method blank detection.

GCMS SVOC and METALS QC batch MS recovery outliers were either not performed on a client sample or did not involve client sample target analytes. Qualification of client sample results was not required based on these matrix QC outliers.

Metals method blank for QC batch 45760 had detections below the RL for barium, calcium, potassium, magnesium and manganese. Qualification of client sample results was not required based on these method blank detections.

DRO method blank had a detection below the RL. Qualification of client sample results was not required based on this method blank detection.

DRO LCS/LCSduplicate RPD was an outlier for QC batch 45858. Qualification of client sample results was not required based on this QC outlier alone.

PCB surrogate recoveries were outside of laboratory control limits biased low for 1 out of 2 surrogates in client sample -004. Qualification of client sample results was not required based on this QC outlier alone.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 11664-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	Volatile Organics by GCMS	GCMS SVOC	PCB	Wisconsin DRO Method	ICP Metals	Mercury (Manual Cold Vapor)	Mercury in Solid Waste
240116641	ASB213_0-2(20120524)	5/24/2012	9:50:00	X	X	X	X	X		X
240116642	ASB214_0-3(20120524)	5/24/2012	10:50:00	X	X	X	X	X		X
240116643	ASB212_5-7(20120524)	5/24/2012	1:30:00	X	X	X	X	X		X
240116644	ASB212(20120524)	5/24/2012	1:45:00	X	X	X	X	X	X	
240116645	ASB215(5-6.5(20120524)	5/24/2012	2:45:00	X	X	X	X	X		X
240116646	TB-001(20120525)	5/24/2012	12:00:00	X						
240116647	MEOH-001(20120525)	5/24/2012	12:00:00	X						

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB213_0-2(20120524)				ASB214_0-3(20120524)				ASB212_5-7(20120524)				ASB215(5-6.5(20120524)				TB-001(20120525)				MEOH-001(20120525)			
		Lab Sample ID:	240116641				240116642				240116643				240116645				240116646				240116647			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012				5/24/2012				5/24/2012				5/24/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																										
OSW-8260B																										
Dichlorodifluoromethane	75-71-8		26	270	ug/kg	UB	19	260	ug/kg	UB					31	280	ug/kg	UB	18	250	ug/kg	UB	24	250	ug/kg	UB
Methyl acetate	79-20-9		84	530	ug/kg	UB	150	530	ug/kg	UB	48	570	ug/kg	UB	180	550	ug/kg	UB								

GCMS VOC method blank for QC batch 45549 had a detection below the RL for dichlorodifluoromethane. Client samples -001, -002, -005, -006 and -007 results for this analyte should be considered to be non-detect at the RL and qualified with UB flags.

GCMS VOC trip blank and methanol trip blank had detections below the RL for dichlorodifluoromethane and methylacetate. Client samples -001, -002, -003 and -005 methylacetate results should be considered to be non-detect at the RL and qualified with UB flags.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB213_0-2(20120524)				ASB214_0-3(20120524)				ASB212_5-7(20120524)			
		Lab Sample ID:	240116641				240116642				240116643			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		7.4	270	ug/kg	J	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3-Dichlorobenzene	541-73-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2-Hexanone	591-78-6		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
Benzene	71-43-2		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromobenzene	108-86-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromochloromethane	74-97-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromodichloromethane	75-27-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromoform	75-25-2		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromomethane	74-83-9		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Carbon disulfide	75-15-0		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Carbon tetrachloride	56-23-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chlorobenzene	108-90-7		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chlorodibromomethane	124-48-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloroethane	75-00-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloroform	67-66-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloromethane	74-87-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Cyclohexane	110-82-7		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
Dibromomethane	74-95-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Dichlorodifluoromethane	75-71-8		26	270	ug/kg	UB	19	260	ug/kg	UB	ND	280	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
Ethyl ether	60-29-7		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
Ethylbenzene	100-41-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Isopropylbenzene	98-82-8		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
m-Xylene & p-Xylene	179601-23-1		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
Methyl acetate	79-20-9		84	530	ug/kg	UB	150	530	ug/kg	UB	48	570	ug/kg	UB
Methyl tert butyl ether	1634-04-4		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2		ND	530	ug/kg	---	ND	530	ug/kg	---	ND	570	ug/kg	---
Methylene Chloride	75-09-2		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
n-Butylbenzene	104-51-8		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
N-Propylbenzene	103-65-1		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Naphthalene	91-20-3		68	270	ug/kg	J	8.6	260	ug/kg	J	ND	280	ug/kg	---
o-Xylene	95-47-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
p-Isopropyltoluene	99-87-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
sec-Butylbenzene	135-98-8		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Styrene	100-42-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
tert-Butylbenzene	98-06-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Tetrachloroethene	127-18-4		120	270	ug/kg	J	ND	260	ug/kg	---	23	280	ug/kg	J
Tetrahydrofuran	109-99-9		ND	1100	ug/kg	---	ND	1100	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
trans-1,2-Dichloroethene	156-60-5		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Trichloroethene	79-01-6		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Trichlorofluoromethane	75-69-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Vinyl chloride	75-01-4		ND	270	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB213_0-2(20120524)				ASB214_0-3(20120524)				ASB212_5-7(20120524)			
		Lab Sample ID:	240116641				240116642				240116643			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2-Chlorophenol	95-57-8	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2-Methylnaphthalene	91-57-6	15	350	ug/kg	J	9.2	350	ug/kg	J	ND	400	ug/kg	---
	2-Methylphenol	95-48-7	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	2-Nitroaniline	88-74-4	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	2-Nitrophenol	88-75-5	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	420	ug/kg	---	ND	420	ug/kg	---	ND	480	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	3-Nitroaniline	99-09-2	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	4-Chloroaniline	106-47-8	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	4-Nitroaniline	100-01-6	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	4-Nitrophenol	100-02-7	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	Acenaphthene	83-32-9	80	350	ug/kg	J	30	350	ug/kg	J	ND	400	ug/kg	---
	Acenaphthylene	208-96-8	9.9	350	ug/kg	J	ND	350	ug/kg	---	ND	400	ug/kg	---
	Acetophenone	98-86-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Anthracene	120-12-7	130	350	ug/kg	J	110	350	ug/kg	J	ND	400	ug/kg	---
	Atrazine	1912-24-9	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Benzaldehyde	100-52-7	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Benzo[a]anthracene	56-55-3	530	350	ug/kg	---	300	350	ug/kg	J	5.0	400	ug/kg	J
	Benzo[a]pyrene	50-32-8	430	350	ug/kg	---	210	350	ug/kg	J	ND	400	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	650	350	ug/kg	---	330	350	ug/kg	J	ND	400	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	290	350	ug/kg	J	130	350	ug/kg	J	ND	400	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	260	350	ug/kg	J	140	350	ug/kg	J	ND	400	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	36	350	ug/kg	J	33	350	ug/kg	J	31	400	ug/kg	J
	Butyl benzyl phthalate	85-68-7	25	350	ug/kg	J	ND	350	ug/kg	---	ND	400	ug/kg	---
	Caprolactam	105-60-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Carbazole	86-74-8	68	350	ug/kg	J	46	350	ug/kg	J	ND	400	ug/kg	---
	Chrysene	218-01-9	510	350	ug/kg	---	290	350	ug/kg	J	ND	400	ug/kg	---
	Di-n-butyl phthalate	84-74-2	24	350	ug/kg	J	ND	350	ug/kg	---	ND	400	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	82	350	ug/kg	J	ND	350	ug/kg	---	ND	400	ug/kg	---
	Dibenzofuran	132-64-9	49	350	ug/kg	J	31	350	ug/kg	J	ND	400	ug/kg	---
	Diethyl phthalate	84-66-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Dimethyl phthalate	131-11-3	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Fluoranthene	206-44-0	1100	350	ug/kg	---	600	350	ug/kg	---	6.1	400	ug/kg	J
	Fluorene	86-73-7	53	350	ug/kg	J	34	350	ug/kg	J	ND	400	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4	ND	1700	ug/kg	---	ND	1700	ug/kg	---	ND	1900	ug/kg	---
	Hexachloroethane	67-72-1	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	240	350	ug/kg	J	110	350	ug/kg	J	ND	400	ug/kg	---
	Isophorone	78-59-1	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Naphthalene	91-20-3	27	350	ug/kg	J	11	350	ug/kg	J	ND	400	ug/kg	---
	Nitrobenzene	98-95-3	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Pentachlorophenol	87-86-5	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Phenanthrene	85-01-8	800	350	ug/kg	---	490	350	ug/kg	---	ND	400	ug/kg	---
	Phenol	108-95-2	ND	350	ug/kg	---	ND	350	ug/kg	---	ND	400	ug/kg	---
	Pyrene	129-00-0	930	350	ug/kg	---	550	350	ug/kg	---	6.4	400	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB213_0-2(20120524)				ASB214_0-3(20120524)				ASB212_5-7(20120524)			
		Lab Sample ID:	240116641				240116642				240116643			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	35	ug/kg	---	ND	35	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1221	11104-28-2	ND	35	ug/kg	---	ND	35	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1232	11141-16-5	ND	35	ug/kg	---	ND	35	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1242	53469-21-9	ND	35	ug/kg	---	ND	35	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1248	12672-29-6	ND	35	ug/kg	---	ND	35	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1254	11097-69-1	18	35	ug/kg	J	ND	35	ug/kg	---	ND	40	ug/kg	---
	Aroclor-1260	11096-82-5	ND	35	ug/kg	---	ND	35	ug/kg	---	ND	40	ug/kg	---
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	140	78	mg/kg	---	28	12	mg/kg	---	3.4	14	mg/kg	J
Metals														
	OSW-6010B													
	Aluminum	7429-90-5												
	Antimony	7440-36-0												
	Arsenic	7440-38-2	1.8	1.1	mg/kg	---	2.9	1.1	mg/kg	---	3.2	1.2	mg/kg	---
	Barium	7440-39-3	33	23	mg/kg	---	46	22	mg/kg	---	45	23	mg/kg	---
	Beryllium	7440-41-7												
	Cadmium	7440-43-9	ND	0.23	mg/kg	---	0.043	0.22	mg/kg	J	ND	0.23	mg/kg	---
	Calcium	7440-70-2												
	Chromium	7440-47-3	8.1	0.57	mg/kg	---	10	0.56	mg/kg	---	11	0.58	mg/kg	---
	Cobalt	7440-48-4												
	Copper	7440-50-8												
	Iron	7439-89-6												
	Lead	7439-92-1	6.2	0.34	mg/kg	---	4.5	0.33	mg/kg	---	5.7	0.35	mg/kg	---
	Magnesium	7439-95-4												
	Manganese	7439-96-5												
	Nickel	7440-02-0												
	Potassium	7440-09-7												
	Selenium	7782-49-2	ND	0.57	mg/kg	---	ND	0.56	mg/kg	---	ND	0.58	mg/kg	---
	Silver	7440-22-4	ND	0.57	mg/kg	---	ND	0.56	mg/kg	---	ND	0.58	mg/kg	---
	Sodium	7440-23-5												
	Thallium	7440-28-0												
	Vanadium	7440-62-2												
	Zinc	7440-66-6												
	OSW-7470A													
	Mercury	7439-97-6	0.027	0.11	mg/kg	J	0.026	0.094	mg/kg	J	0.029	0.12	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB212(20120524)				ASB215(5-6.5(20120524)				TB-001(20120525)			
		Lab Sample ID:	240116644				240116645				240116646			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	550	ug/kg	---	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	10	ug/l	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Acetone	67-64-1	ND	10	ug/l	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	550	ug/kg	---	ND	500	ug/kg	---
Benzene	71-43-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Carbon disulfide	75-15-0	0.36	1.0	ug/l	J	ND	280	ug/kg	---	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	0.31	1.0	ug/l	J	ND	280	ug/kg	---	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Cyclohexane	110-82-7	0.13	1.0	ug/l	J	ND	550	ug/kg	---	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	31	280	ug/kg	UB	18	250	ug/kg	UB
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---	ND	550	ug/kg	---	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---	ND	550	ug/kg	---	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	2.0	ug/l	---	ND	550	ug/kg	---	ND	500	ug/kg	---
Methyl acetate	79-20-9	ND	10	ug/l	---	180	550	ug/kg	UB	41	500	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	1.0	ug/l	---	ND	550	ug/kg	---	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	1100	ug/kg	---	ND	1000	ug/kg	---
Toluene	108-88-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Trichloroethene	79-01-6	0.76	1.0	ug/l	J	ND	280	ug/kg	---	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB212(20120524)				ASB215(5-6.5(20120524)				TB-001(20120525)			
		Lab Sample ID:	240116644				240116645				240116646			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	2,4,5-Trichlorophenol	95-95-4	ND	5.3	ug/l	---	ND	380	ug/kg	---				
	2,4,6-Trichlorophenol	88-06-2	ND	5.3	ug/l	---	ND	380	ug/kg	---				
	2,4-Dichlorophenol	120-83-2	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	2,4-Dimethylphenol	105-67-9	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	2,4-Dinitrophenol	51-28-5	ND	5.3	ug/l	---	ND	1800	ug/kg	---				
	2,4-Dinitrotoluene	121-14-2	ND	5.3	ug/l	---	ND	380	ug/kg	---				
	2,6-Dinitrotoluene	606-20-2	ND	5.3	ug/l	---	ND	380	ug/kg	---				
	2-Chloronaphthalene	91-58-7	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	2-Chlorophenol	95-57-8	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	2-Methylnaphthalene	91-57-6	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	2-Methylphenol	95-48-7	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	2-Nitroaniline	88-74-4	ND	2.1	ug/l	---	ND	1800	ug/kg	---				
	2-Nitrophenol	88-75-5	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	3 & 4 Methylphenol	65794-96-9	ND	2.1	ug/l	---	ND	460	ug/kg	---				
	3,3'-Dichlorobenzidine	91-94-1	ND	5.3	ug/l	---	ND	1800	ug/kg	---				
	3-Nitroaniline	99-09-2	ND	2.1	ug/l	---	ND	1800	ug/kg	---				
	4,6-Dinitro-2-methylphenol	534-52-1	ND	5.3	ug/l	---	ND	1800	ug/kg	---				
	4-Bromophenyl phenyl ether	101-55-3	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	4-Chloro-3-methylphenol	59-50-7	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	4-Chloroaniline	106-47-8	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	4-Chlorophenyl phenyl ether	7005-72-3	ND	2.1	ug/l	---	ND	380	ug/kg	---				
	4-Nitroaniline	100-01-6	ND	2.1	ug/l	---	ND	1800	ug/kg	---				
	4-Nitrophenol	100-02-7	ND	5.3	ug/l	---	ND	1800	ug/kg	---				
	Acenaphthene	83-32-9	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Acenaphthylene	208-96-8	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Acetophenone	98-86-2	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Anthracene	120-12-7	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Atrazine	1912-24-9	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Benzaldehyde	100-52-7	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Benzo[a]anthracene	56-55-3	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Benzo[a]pyrene	50-32-8	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Benzo[b]fluoranthene	205-99-2	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Benzo[g,h,i]perylene	191-24-2	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Benzo[k]fluoranthene	207-08-9	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Bis(2-chloroethoxy)methane	111-91-1	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Bis(2-chloroethyl)ether	111-44-4	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Bis(2-ethylhexyl) phthalate	117-81-7	ND	2.1	ug/l	---	32	380	ug/kg	J				
	Butyl benzyl phthalate	85-68-7	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Caprolactam	105-60-2	ND	5.3	ug/l	---	ND	380	ug/kg	---				
	Carbazole	86-74-8	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Chrysene	218-01-9	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Di-n-butyl phthalate	84-74-2	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Di-n-octyl phthalate	117-84-0	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Dibenz(a,h)anthracene	53-70-3	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Dibenzofuran	132-64-9	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Diethyl phthalate	84-66-2	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Dimethyl phthalate	131-11-3	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Fluoranthene	206-44-0	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Fluorene	86-73-7	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Hexachlorobenzene	118-74-1	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Hexachlorobutadiene	87-68-3	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Hexachlorocyclopentadiene	77-47-4	ND	11	ug/l	---	ND	1800	ug/kg	---				
	Hexachloroethane	67-72-1	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Isophorone	78-59-1	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	N-Nitrosodi-n-propylamine	621-64-7	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	N-Nitrosodiphenylamine	86-30-6	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Naphthalene	91-20-3	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Nitrobenzene	98-95-3	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Pentachlorophenol	87-86-5	ND	5.3	ug/l	---	ND	380	ug/kg	---				
	Phenanthrene	85-01-8	ND	0.21	ug/l	---	ND	380	ug/kg	---				
	Phenol	108-95-2	ND	1.1	ug/l	---	ND	380	ug/kg	---				
	Pyrene	129-00-0	ND	0.21	ug/l	---	4.4	380	ug/kg	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

		Sample Name:	ASB212(20120524)				ASB215(5-6.5(20120524)				TB-001(20120525)			
		Lab Sample ID:	240116644				240116645				240116646			
		Sample Date:	5/24/2012				5/24/2012				5/24/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	0.21	ug/l	---	ND	38	ug/kg	---				
	Aroclor-1221	11104-28-2	ND	0.21	ug/l	---	ND	38	ug/kg	---				
	Aroclor-1232	11141-16-5	ND	0.21	ug/l	---	ND	38	ug/kg	---				
	Aroclor-1242	53469-21-9	ND	0.21	ug/l	---	ND	38	ug/kg	---				
	Aroclor-1248	12672-29-6	ND	0.21	ug/l	---	ND	38	ug/kg	---				
	Aroclor-1254	11097-69-1	ND	0.21	ug/l	---	ND	38	ug/kg	---				
	Aroclor-1260	11096-82-5	0.063	0.21	ug/l	J	ND	38	ug/kg	---				
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	0.29	0.10	mg/l	---	5.4	18	mg/kg	J				
Metals														
	OSW-6010B													
	Aluminum	7429-90-5					6700	22	mg/kg	---				
	Antimony	7440-36-0					ND	1.1	mg/kg	---				
	Arsenic	7440-38-2	9.8	10	ug/l	J	3.1	1.1	mg/kg	---				
	Barium	7440-39-3	530	200	ug/l	---	81	22	mg/kg	---				
	Beryllium	7440-41-7					0.32	0.54	mg/kg	J				
	Cadmium	7440-43-9	ND	5.0	ug/l	---	ND	0.22	mg/kg	---				
	Calcium	7440-70-2					9500	540	mg/kg	---				
	Chromium	7440-47-3	5.3	10	ug/l	J	32	0.54	mg/kg	---				
	Cobalt	7440-48-4					8.3	5.4	mg/kg	---				
	Copper	7440-50-8					14	2.7	mg/kg	---				
	Iron	7439-89-6					15000	11	mg/kg	---				
	Lead	7439-92-1	5.7	3.0	ug/l	---	5.3	0.32	mg/kg	---				
	Magnesium	7439-95-4					3800	540	mg/kg	---				
	Manganese	7439-96-5					800	1.6	mg/kg	---				
	Nickel	7440-02-0					16	4.3	mg/kg	---				
	Potassium	7440-09-7					760	540	mg/kg	---				
	Selenium	7782-49-2	ND	5.0	ug/l	---	0.54	0.54	mg/kg	---				
	Silver	7440-22-4	ND	10	ug/l	---	ND	0.54	mg/kg	---				
	Sodium	7440-23-5					ND	540	mg/kg	---				
	Thallium	7440-28-0					ND	1.1	mg/kg	---				
	Vanadium	7440-62-2					19	5.4	mg/kg	---				
	Zinc	7440-66-6					21	2.2	mg/kg	---				
	OSW-7470A													
	Mercury	7439-97-6	ND	0.20	ug/l	---	0.033	0.11	mg/kg	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

Sample Name: MEOH-001(20120525)
Lab Sample ID: 240116647
Sample Date: 5/24/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC					
OSW-8260B					
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	24	250	ug/kg	UB
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---
Methyl acetate	79-20-9	40	500	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---
Naphthalene	91-20-3	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---
Styrene	100-42-5	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---
Toluene	108-88-3	ND	250	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

Sample Name: MEOH-001(20120525)
Lab Sample ID: 240116647
Sample Date: 5/24/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
1,1'-Biphenyl	92-52-4				
2,2'-oxybis[1-chloropropane]	108-60-1				
2,4,5-Trichlorophenol	95-95-4				
2,4,6-Trichlorophenol	88-06-2				
2,4-Dichlorophenol	120-83-2				
2,4-Dimethylphenol	105-67-9				
2,4-Dinitrophenol	51-28-5				
2,4-Dinitrotoluene	121-14-2				
2,6-Dinitrotoluene	606-20-2				
2-Chloronaphthalene	91-58-7				
2-Chlorophenol	95-57-8				
2-Methylnaphthalene	91-57-6				
2-Methylphenol	95-48-7				
2-Nitroaniline	88-74-4				
2-Nitrophenol	88-75-5				
3 & 4 Methylphenol	65794-96-9				
3,3'-Dichlorobenzidine	91-94-1				
3-Nitroaniline	99-09-2				
4,6-Dinitro-2-methylphenol	534-52-1				
4-Bromophenyl phenyl ether	101-55-3				
4-Chloro-3-methylphenol	59-50-7				
4-Chloroaniline	106-47-8				
4-Chlorophenyl phenyl ether	7005-72-3				
4-Nitroaniline	100-01-6				
4-Nitrophenol	100-02-7				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Acetophenone	98-86-2				
Anthracene	120-12-7				
Atrazine	1912-24-9				
Benzaldehyde	100-52-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Bis(2-chloroethoxy)methane	111-91-1				
Bis(2-chloroethyl)ether	111-44-4				
Bis(2-ethylhexyl) phthalate	117-81-7				
Butyl benzyl phthalate	85-68-7				
Caprolactam	105-60-2				
Carbazole	86-74-8				
Chrysene	218-01-9				
Di-n-butyl phthalate	84-74-2				
Di-n-octyl phthalate	117-84-0				
Dibenz(a,h)anthracene	53-70-3				
Dibenzofuran	132-64-9				
Diethyl phthalate	84-66-2				
Dimethyl phthalate	131-11-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Hexachlorobenzene	118-74-1				
Hexachlorobutadiene	87-68-3				
Hexachlorocyclopentadiene	77-47-4				
Hexachloroethane	67-72-1				
Indeno[1,2,3-cd]pyrene	193-39-5				
Isophorone	78-59-1				
N-Nitrosodi-n-propylamine	621-64-7				
N-Nitrosodiphenylamine	86-30-6				
Naphthalene	91-20-3				
Nitrobenzene	98-95-3				
Pentachlorophenol	87-86-5				
Phenanthrene	85-01-8				
Phenol	108-95-2				
Pyrene	129-00-0				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 11664-1

Sample Name: MEOH-001(20120525)
Lab Sample ID: 240116647
Sample Date: 5/24/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				
Metals					
OSW-6010B					
Aluminum	7429-90-5				
Antimony	7440-36-0				
Arsenic	7440-38-2				
Barium	7440-39-3				
Beryllium	7440-41-7				
Cadmium	7440-43-9				
Calcium	7440-70-2				
Chromium	7440-47-3				
Cobalt	7440-48-4				
Copper	7440-50-8				
Iron	7439-89-6				
Lead	7439-92-1				
Magnesium	7439-95-4				
Manganese	7439-96-5				
Nickel	7440-02-0				
Potassium	7440-09-7				
Selenium	7782-49-2				
Silver	7440-22-4				
Sodium	7440-23-5				
Thallium	7440-28-0				
Vanadium	7440-62-2				
Zinc	7440-66-6				
OSW-7470A					
Mercury	7439-97-6				

November 15, 2012

Rob Ellis
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 16953-1
Sample date: 2012-10-29
Report received by Enovis: 2012-11-14
Initial Data Verification completed by Enovis: 2012-11-15

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

8 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s). 1 Aqueous sample was analyzed for GCM VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values. Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GC PCB Batch QC MS/MSD was not performed on a sample from this submittal. Qualification was not required based on this sample/matrix specific QC outlier.

Metals Batch QC MB had a detection below the RL for barium. Qualification of client sample results were not required based on this method blank detection.

Metals Batch QC MS/MSD was performed on client sample -1. The MS %R was outside of laboratory control limits biased high for barium while the MSD %R was outside of laboratory control limits biased high for chromium. In addition, the associated RPD for chromium exceeded the laboratory control limit. Client sample -1 results for chromium only should be considered estimated and qualified with a J flag.

Percent moisture data was not used to determine dry weight sample corrections (percent solids utilized) so qualifications were not required based on the percent moisture duplicate RPD outlier.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia, Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 16953-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	WI-DRO	ICP Metals	Mercury
240169531	ASB-254_0-2(20121029)	10/29/2012	9:20:00	X	X	X	X	X	X
240169532	ASB-254_4-5(20121029)	10/29/2012	9:30:00	X	X		X	X	X
240169533	ASB-255_0-2(20121029)	10/29/2012	10:00:00	X	X	X	X	X	X
240169534	ASB-257_1.5-2(20121029)	10/29/2012	10:30:00	X	X	X	X	X	X
240169535	ASB-255_8-8.5(20121029)	10/29/2012	11:10:00	X	X		X	X	X
240169536	ASB-256_3-4(20121029)	10/29/2012	11:35:00	X	X	X	X	X	X
240169537	ASB-256_9-10(20121029)	10/29/2012	11:45:00	X	X		X	X	X
240169538	MB-001(20121029	10/29/2012	12:00:00	X					
240169539	ASB-257_6-8(20121029)	10/29/2012	2:10:00	X	X		X	X	X

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

Sample Name: ASB-254_0-2(20121029)
Lab Sample ID: 240169531
Sample Date: 10/29/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Metals					
OSW-6010B					
Chromium	7440-47-3	27	0.45	mg/kg	**J**

The MS %R was outside of laboratory control limits biased high for barium while the MSD %R was outside of laboratory control limits biased high for chromium. In addition, the associated RPD for chromium exceeded the laboratory control limit. Client sample -1 results for chromium only should be considered estimated and qualified with a **J** flag.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		400	290	ug/kg	---	11	260	ug/kg	J	480	280	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		160	290	ug/kg	J	ND	260	ug/kg	---	150	280	ug/kg	J
1,3-Dichlorobenzene	541-73-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2-Hexanone	591-78-6		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
Benzene	71-43-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromobenzene	108-86-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromochloromethane	74-97-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromodichloromethane	75-27-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromoform	75-25-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromomethane	74-83-9		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Carbon disulfide	75-15-0		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Carbon tetrachloride	56-23-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chlorobenzene	108-90-7		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chlorodibromomethane	124-48-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloroethane	75-00-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloroform	67-66-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloromethane	74-87-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Cyclohexane	110-82-7		ND	570	ug/kg	---	ND	520	ug/kg	---	340	560	ug/kg	J
Dibromomethane	74-95-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
Ethyl ether	60-29-7		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
Ethylbenzene	100-41-4		ND	290	ug/kg	---	ND	260	ug/kg	---	310	280	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Isopropylbenzene	98-82-8		ND	290	ug/kg	---	ND	260	ug/kg	---	73	280	ug/kg	J
m-Xylene & p-Xylene	179601-23-1		49	570	ug/kg	J	ND	520	ug/kg	---	290	560	ug/kg	J
Methyl acetate	79-20-9		570	570	ug/kg	---	41	520	ug/kg	J	110	560	ug/kg	J
Methyl tert butyl ether	1634-04-4		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2		ND	570	ug/kg	---	ND	520	ug/kg	---	1300	560	ug/kg	---
Methylene Chloride	75-09-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
n-Butylbenzene	104-51-8		64	290	ug/kg	J	ND	260	ug/kg	---	64	280	ug/kg	J
N-Propylbenzene	103-65-1		45	290	ug/kg	J	ND	260	ug/kg	---	170	280	ug/kg	J
Naphthalene	91-20-3		54	290	ug/kg	J	9.5	260	ug/kg	J	480	280	ug/kg	---
o-Xylene	95-47-6		40	290	ug/kg	J	ND	260	ug/kg	---	170	280	ug/kg	J
p-Isopropyltoluene	99-87-6		ND	290	ug/kg	---	ND	260	ug/kg	---	41	280	ug/kg	J
sec-Butylbenzene	135-98-8		37	290	ug/kg	J	ND	260	ug/kg	---	29	280	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Styrene	100-42-5	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
tert-Butylbenzene	98-06-6	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Tetrachloroethene	127-18-4	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC													
OSW-8260B													
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	290	ug/kg	---	ND	260	ug/kg	---	91	280	ug/kg	J
trans-1,2-Dichloroethene	156-60-5	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Trichloroethene	79-01-6	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Vinyl chloride	75-01-4	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	1600	ug/kg	---	ND	380	ug/kg	---	54	340	ug/kg	J
2,2'-oxybis[1-chloropropane]	108-60-1	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Chlorophenol	95-57-8	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	1600	ug/kg	---	ND	380	ug/kg	---	970	340	ug/kg	---
2-Methylphenol	95-48-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Nitroaniline	88-74-4	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
2-Nitrophenol	88-75-5	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	2000	ug/kg	---	ND	460	ug/kg	---	ND	420	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
3-Nitroaniline	99-09-2	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Chloroaniline	106-47-8	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Nitroaniline	100-01-6	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
4-Nitrophenol	100-02-7	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
Acenaphthene	83-32-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	38	340	ug/kg	J
Acenaphthylene	208-96-8	20	1600	ug/kg	J	ND	380	ug/kg	---	29	340	ug/kg	J
Acetophenone	98-86-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	120	340	ug/kg	J
Anthracene	120-12-7	38	1600	ug/kg	J	ND	380	ug/kg	---	98	340	ug/kg	J
Atrazine	1912-24-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Benzaldehyde	100-52-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Benzo[a]anthracene	56-55-3	86	1600	ug/kg	J	9.4	380	ug/kg	J	180	340	ug/kg	J
Benzo[a]pyrene	50-32-8	87	1600	ug/kg	J	8.5	380	ug/kg	J	220	340	ug/kg	J
Benzo[b]fluoranthene	205-99-2	170	1600	ug/kg	J	14	380	ug/kg	J	450	340	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	120	1600	ug/kg	J	11	380	ug/kg	J	280	340	ug/kg	J
Benzo[k]fluoranthene	207-08-9	62	1600	ug/kg	J	5.5	380	ug/kg	J	110	340	ug/kg	J
Bis(2-chloroethoxy)methane	111-91-1	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	450	1600	ug/kg	J	43	380	ug/kg	J	36	340	ug/kg	J
Butyl benzyl phthalate	85-68-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Caprolactam	105-60-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Carbazole	86-74-8	ND	1600	ug/kg	---	ND	380	ug/kg	---	71	340	ug/kg	J
Chrysene	218-01-9	130	1600	ug/kg	J	12	380	ug/kg	J	270	340	ug/kg	J
Di-n-butyl phthalate	84-74-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	21	340	ug/kg	J
Di-n-octyl phthalate	117-84-0	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	77	340	ug/kg	J
Dibenzofuran	132-64-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	190	340	ug/kg	J
Diethyl phthalate	84-66-2	ND	1600	ug/kg	---	94	380	ug/kg	J	ND	340	ug/kg	---
Dimethyl phthalate	131-11-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Fluoranthene	206-44-0	170	1600	ug/kg	J	18	380	ug/kg	J	320	340	ug/kg	J
Fluorene	86-73-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	22	340	ug/kg	J
Hexachlorobenzene	118-74-1	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Hexachlorocyclopentadiene	77-47-4		ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
Hexachloroethane	67-72-1		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5		ND	1600	ug/kg	---	ND	380	ug/kg	---	200	340	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC														
OSW-8270C														
Isophorone	78-59-1		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
N-Nitrosodiphenylamine	86-30-6		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Naphthalene	91-20-3		ND	1600	ug/kg	---	ND	380	ug/kg	---	660	340	ug/kg	---
Nitrobenzene	98-95-3		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Pentachlorophenol	87-86-5		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Phenanthrene	85-01-8		89	1600	ug/kg	J	6.1	380	ug/kg	J	510	340	ug/kg	---
Phenol	108-95-2		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Pyrene	129-00-0		150	1600	ug/kg	J	16	380	ug/kg	J	270	340	ug/kg	J
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1221	11104-28-2		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1232	11141-16-5		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1242	53469-21-9		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1248	12672-29-6		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1254	11097-69-1		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1260	11096-82-5		ND	41	ug/kg	---					ND	35	ug/kg	---
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004		70	23	mg/kg	---	2.6	9.8	mg/kg	J	67	9.8	mg/kg	---
Metals														
OSW-6010B														
Arsenic	7440-38-2		3.3	0.90	mg/kg	---	3.2	0.93	mg/kg	---	4.9	0.93	mg/kg	---
Barium	7440-39-3		93	18	mg/kg	---	46	19	mg/kg	---	67	19	mg/kg	---
Cadmium	7440-43-9		0.71	0.18	mg/kg	---	ND	0.19	mg/kg	---	0.56	0.19	mg/kg	---
Chromium	7440-47-3		27	0.45	mg/kg	J	18	0.47	mg/kg	---	6.0	0.46	mg/kg	---
Lead	7439-92-1		39	0.27	mg/kg	---	4.3	0.28	mg/kg	---	170	0.28	mg/kg	---
Selenium	7782-49-2		ND	0.45	mg/kg	---	ND	0.47	mg/kg	---	ND	0.46	mg/kg	---
Silver	7440-22-4		0.11	0.45	mg/kg	J	ND	0.47	mg/kg	---	ND	0.46	mg/kg	---
OSW-7471A														
Mercury	7439-97-6		0.060	0.13	mg/kg	J	0.021	0.12	mg/kg	J	0.023	0.11	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,3-Dichlorobenzene	541-73-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
2-Chlorotoluene	95-49-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
2-Hexanone	591-78-6		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
4-Chlorotoluene	106-43-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Acetone	67-64-1		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Allyl chloride	107-05-1		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Benzene	71-43-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromobenzene	108-86-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromochloromethane	74-97-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromodichloromethane	75-27-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromoform	75-25-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromomethane	74-83-9		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Carbon disulfide	75-15-0		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Carbon tetrachloride	56-23-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chlorobenzene	108-90-7		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chlorodibromomethane	124-48-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chloroethane	75-00-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chloroform	67-66-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chloromethane	74-87-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Cyclohexane	110-82-7		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Dibromomethane	74-95-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Ethyl ether	60-29-7		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Ethylbenzene	100-41-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Isopropylbenzene	98-82-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
m-Xylene & p-Xylene	179601-23-1		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Methyl acetate	79-20-9		46	600	ug/kg	J	ND	610	ug/kg	---	ND	680	ug/kg	---
Methyl tert butyl ether	1634-04-4		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Methylcyclohexane	108-87-2		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Methylene Chloride	75-09-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
n-Butylbenzene	104-51-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
N-Propylbenzene	103-65-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Naphthalene	91-20-3		20	300	ug/kg	J	ND	310	ug/kg	---	ND	340	ug/kg	---
o-Xylene	95-47-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
p-Isopropyltoluene	99-87-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
sec-Butylbenzene	135-98-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Styrene	100-42-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
tert-Butylbenzene	98-06-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Tetrachloroethene	127-18-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
			Report			Valid	Report			Valid	Report			Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC													
OSW-8260B													
Tetrahydrofuran	109-99-9	ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Toluene	108-88-3	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Trichloroethene	79-01-6	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Vinyl chloride	75-01-4	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,2'-oxybis[1-chloropropane]	108-60-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Chlorophenol	95-57-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Methylphenol	95-48-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Nitroaniline	88-74-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
2-Nitrophenol	88-75-5	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	480	ug/kg	---	ND	470	ug/kg	---	ND	520	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
3-Nitroaniline	99-09-2	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Chloroaniline	106-47-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Nitroaniline	100-01-6	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
4-Nitrophenol	100-02-7	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
Acenaphthene	83-32-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Acenaphthylene	208-96-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Acetophenone	98-86-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Anthracene	120-12-7	ND	390	ug/kg	---	ND	390	ug/kg	---	4.5	430	ug/kg	J
Atrazine	1912-24-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzaldehyde	100-52-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[a]anthracene	56-55-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	27	390	ug/kg	J	ND	390	ug/kg	---	ND	430	ug/kg	---
Butyl benzyl phthalate	85-68-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Caprolactam	105-60-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Carbazole	86-74-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Chrysene	218-01-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Di-n-butyl phthalate	84-74-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Di-n-octyl phthalate	117-84-0	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Dibenzofuran	132-64-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Diethyl phthalate	84-66-2	ND	390	ug/kg	---	100	390	ug/kg	J	44	430	ug/kg	J
Dimethyl phthalate	131-11-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Fluoranthene	206-44-0	11	390	ug/kg	J	ND	390	ug/kg	---	6.5	430	ug/kg	J
Fluorene	86-73-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Hexachlorobenzene	118-74-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
Hexachloroethane	67-72-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
			Result			Valid	Result			Valid	Result			Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC														
OSW-8270C														
Isophorone	78-59-1		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
N-Nitrosodiphenylamine	86-30-6		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Naphthalene	91-20-3		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Nitrobenzene	98-95-3		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Pentachlorophenol	87-86-5		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Phenanthrene	85-01-8		6.4	390	ug/kg	J	ND	390	ug/kg	---	ND	430	ug/kg	---
Phenol	108-95-2		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Pyrene	129-00-0		9.0	390	ug/kg	J	ND	390	ug/kg	---	5.8	430	ug/kg	J
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1221	11104-28-2		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1232	11141-16-5		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1242	53469-21-9		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1248	12672-29-6		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1254	11097-69-1		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1260	11096-82-5		ND	39	ug/kg	---					ND	44	ug/kg	---
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004		8.6	9.3	mg/kg	J	5.9	8.9	mg/kg	J	2.4	11	mg/kg	J
Metals														
OSW-6010B														
Arsenic	7440-38-2		3.6	1.1	mg/kg	---	2.7	0.95	mg/kg	---	4.0	1.1	mg/kg	---
Barium	7440-39-3		77	22	mg/kg	---	22	19	mg/kg	---	90	22	mg/kg	---
Cadmium	7440-43-9		ND	0.22	mg/kg	---	ND	0.19	mg/kg	---	ND	0.22	mg/kg	---
Chromium	7440-47-3		15	0.55	mg/kg	---	17	0.47	mg/kg	---	17	0.55	mg/kg	---
Lead	7439-92-1		6.9	0.33	mg/kg	---	4.1	0.28	mg/kg	---	7.1	0.33	mg/kg	---
Selenium	7782-49-2		ND	0.55	mg/kg	---	ND	0.47	mg/kg	---	ND	0.55	mg/kg	---
Silver	7440-22-4		ND	0.55	mg/kg	---	ND	0.47	mg/kg	---	ND	0.55	mg/kg	---
OSW-7471A														
Mercury	7439-97-6		0.035	0.11	mg/kg	J	0.026	0.13	mg/kg	J	0.043	0.13	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	**Cas No.**		**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		17	250	ug/kg	J	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,3-Dichlorobenzene	541-73-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
2-Chlorotoluene	95-49-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
2-Hexanone	591-78-6		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
4-Chlorotoluene	106-43-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
Acetone	67-64-1		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
Allyl chloride	107-05-1		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Benzene	71-43-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromobenzene	108-86-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromochloromethane	74-97-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromodichloromethane	75-27-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromoform	75-25-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromomethane	74-83-9		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Carbon disulfide	75-15-0		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Carbon tetrachloride	56-23-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chlorobenzene	108-90-7		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chlorodibromomethane	124-48-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chloroethane	75-00-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chloroform	67-66-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chloromethane	74-87-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Cyclohexane	110-82-7		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Dibromomethane	74-95-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Ethyl ether	60-29-7		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Ethylbenzene	100-41-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Isopropylbenzene	98-82-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
m-Xylene & p-Xylene	179601-23-1		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Methyl acetate	79-20-9		33	510	ug/kg	J	ND	500	ug/kg	---	ND	660	ug/kg	---
Methyl tert butyl ether	1634-04-4		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
Methylcyclohexane	108-87-2		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Methylene Chloride	75-09-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
n-Butylbenzene	104-51-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
N-Propylbenzene	103-65-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Naphthalene	91-20-3		9.2	250	ug/kg	J	ND	250	ug/kg	---	ND	330	ug/kg	---
o-Xylene	95-47-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
p-Isopropyltoluene	99-87-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
sec-Butylbenzene	135-98-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
			Report			Valid	Report			Valid	Report			Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
Styrene	100-42-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
tert-Butylbenzene	98-06-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Tetrachloroethene	127-18-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
	OSW-8260B													
	Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
	Toluene	108-88-3	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Chlorophenol	95-57-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Methylphenol	95-48-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Nitroaniline	88-74-4	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	2-Nitrophenol	88-75-5	ND	390	ug/kg	---					ND	420	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	470	ug/kg	---					ND	510	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	3-Nitroaniline	99-09-2	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Chloroaniline	106-47-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Nitroaniline	100-01-6	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	4-Nitrophenol	100-02-7	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	Acenaphthene	83-32-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Acenaphthylene	208-96-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	Acetophenone	98-86-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Anthracene	120-12-7	4.6	390	ug/kg	J					ND	420	ug/kg	---
	Atrazine	1912-24-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Benzaldehyde	100-52-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Benzo[a]anthracene	56-55-3	5.6	390	ug/kg	J					ND	420	ug/kg	---
	Benzo[a]pyrene	50-32-8	4.8	390	ug/kg	J					ND	420	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	13	390	ug/kg	J					ND	420	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	390	ug/kg	---					ND	420	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Butyl benzyl phthalate	85-68-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Caprolactam	105-60-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Carbazole	86-74-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	Chrysene	218-01-9	10	390	ug/kg	J					ND	420	ug/kg	---
	Di-n-butyl phthalate	84-74-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	390	ug/kg	---					ND	420	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Dibenzofuran	132-64-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Diethyl phthalate	84-66-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Dimethyl phthalate	131-11-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Fluoranthene	206-44-0	11	390	ug/kg	J					ND	420	ug/kg	---
	Fluorene	86-73-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	390	ug/kg	---					ND	420	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	---					ND	2100	ug/kg	---
Hexachloroethane	67-72-1	ND	390	ug/kg	---					ND	420	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	5.5	390	ug/kg	J					ND	420	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		**Valid**		**Report**		**Valid**		**Report**		**Valid**
	Analyte	**Cas No.**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**
GC/MS SVOC														
	OSW-8270C													
	Isophorone	78-59-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	390	ug/kg	---					ND	420	ug/kg	---
	Naphthalene	91-20-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Nitrobenzene	98-95-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Pentachlorophenol	87-86-5	ND	390	ug/kg	---					ND	420	ug/kg	---
	Phenanthrene	85-01-8	4.6	390	ug/kg	J					ND	420	ug/kg	---
	Phenol	108-95-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Pyrene	129-00-0	10	390	ug/kg	J					ND	420	ug/kg	---
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2												
	Aroclor-1221	11104-28-2												
	Aroclor-1232	11141-16-5												
	Aroclor-1242	53469-21-9												
	Aroclor-1248	12672-29-6												
	Aroclor-1254	11097-69-1												
	Aroclor-1260	11096-82-5												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	37	9.9	mg/kg	---					3.8	10	mg/kg	J
Metals														
	OSW-6010B													
	Arsenic	7440-38-2	2.5	0.98	mg/kg	---					3.2	1.1	mg/kg	---
	Barium	7440-39-3	57	20	mg/kg	---					33	21	mg/kg	---
	Cadmium	7440-43-9	ND	0.20	mg/kg	---					ND	0.21	mg/kg	---
	Chromium	7440-47-3	15	0.49	mg/kg	---					20	0.54	mg/kg	---
	Lead	7439-92-1	5.5	0.29	mg/kg	---					4.8	0.32	mg/kg	---
	Selenium	7782-49-2	ND	0.49	mg/kg	---					ND	0.54	mg/kg	---
	Silver	7440-22-4	ND	0.49	mg/kg	---					ND	0.54	mg/kg	---
	OSW-7471A													
	Mercury	7439-97-6	0.022	0.11	mg/kg	J					0.038	0.14	mg/kg	J

November 15, 2012

Rob Ellis
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 16953-1
Sample date: 2012-10-29
Report received by Enovis: 2012-11-14
Initial Data Verification completed by Enovis: 2012-11-15

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

8 Soil sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s). 1 Aqueous sample was analyzed for GCM VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values. Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GC PCB Batch QC MS/MSD was not performed on a sample from this submittal. Qualification was not required based on this sample/matrix specific QC outlier.

Metals Batch QC MB had a detection below the RL for barium. Qualification of client sample results were not required based on this method blank detection.

Metals Batch QC MS/MSD was performed on client sample -1. The MS %R was outside of laboratory control limits biased high for barium while the MSD %R was outside of laboratory control limits biased high for chromium. In addition, the associated RPD for chromium exceeded the laboratory control limit. Client sample -1 results for chromium only should be considered estimated and qualified with a J flag.

Percent moisture data was not used to determine dry weight sample corrections (percent solids utilized) so qualifications were not required based on the percent moisture duplicate RPD outlier.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia, Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 16953-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB	WI-DRO	ICP Metals	Mercury
240169531	ASB-254_0-2(20121029)	10/29/2012	9:20:00	X	X	X	X	X	X
240169532	ASB-254_4-5(20121029)	10/29/2012	9:30:00	X	X		X	X	X
240169533	ASB-255_0-2(20121029)	10/29/2012	10:00:00	X	X	X	X	X	X
240169534	ASB-257_1.5-2(20121029)	10/29/2012	10:30:00	X	X	X	X	X	X
240169535	ASB-255_8-8.5(20121029)	10/29/2012	11:10:00	X	X		X	X	X
240169536	ASB-256_3-4(20121029)	10/29/2012	11:35:00	X	X	X	X	X	X
240169537	ASB-256_9-10(20121029)	10/29/2012	11:45:00	X	X		X	X	X
240169538	MB-001(20121029	10/29/2012	12:00:00	X					
240169539	ASB-257_6-8(20121029)	10/29/2012	2:10:00	X	X		X	X	X

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

Sample Name: ASB-254_0-2(20121029)
Lab Sample ID: 240169531
Sample Date: 10/29/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Metals					
OSW-6010B					
Chromium	7440-47-3	27	0.45	mg/kg	**J**

The MS %R was outside of laboratory control limits biased high for barium while the MSD %R was outside of laboratory control limits biased high for chromium. In addition, the associated RPD for chromium exceeded the laboratory control limit. Client sample -1 results for chromium only should be considered estimated and qualified with a **J** flag.

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		400	290	ug/kg	---	11	260	ug/kg	J	480	280	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		160	290	ug/kg	J	ND	260	ug/kg	---	150	280	ug/kg	J
1,3-Dichlorobenzene	541-73-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
2-Chlorotoluene	95-49-8		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
2-Hexanone	591-78-6		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
4-Chlorotoluene	106-43-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Acetone	67-64-1		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Allyl chloride	107-05-1		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
Benzene	71-43-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromobenzene	108-86-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromochloromethane	74-97-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromodichloromethane	75-27-4		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromoform	75-25-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Bromomethane	74-83-9		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Carbon disulfide	75-15-0		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Carbon tetrachloride	56-23-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chlorobenzene	108-90-7		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chlorodibromomethane	124-48-1		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloroethane	75-00-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloroform	67-66-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Chloromethane	74-87-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Cyclohexane	110-82-7		ND	570	ug/kg	---	ND	520	ug/kg	---	340	560	ug/kg	J
Dibromomethane	74-95-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
Ethyl ether	60-29-7		ND	570	ug/kg	---	ND	520	ug/kg	---	ND	560	ug/kg	---
Ethylbenzene	100-41-4		ND	290	ug/kg	---	ND	260	ug/kg	---	310	280	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Isopropylbenzene	98-82-8		ND	290	ug/kg	---	ND	260	ug/kg	---	73	280	ug/kg	J
m-Xylene & p-Xylene	179601-23-1		49	570	ug/kg	J	ND	520	ug/kg	---	290	560	ug/kg	J
Methyl acetate	79-20-9		570	570	ug/kg	---	41	520	ug/kg	J	110	560	ug/kg	J
Methyl tert butyl ether	1634-04-4		ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Methylcyclohexane	108-87-2		ND	570	ug/kg	---	ND	520	ug/kg	---	1300	560	ug/kg	---
Methylene Chloride	75-09-2		ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
n-Butylbenzene	104-51-8		64	290	ug/kg	J	ND	260	ug/kg	---	64	280	ug/kg	J
N-Propylbenzene	103-65-1		45	290	ug/kg	J	ND	260	ug/kg	---	170	280	ug/kg	J
Naphthalene	91-20-3		54	290	ug/kg	J	9.5	260	ug/kg	J	480	280	ug/kg	---
o-Xylene	95-47-6		40	290	ug/kg	J	ND	260	ug/kg	---	170	280	ug/kg	J
p-Isopropyltoluene	99-87-6		ND	290	ug/kg	---	ND	260	ug/kg	---	41	280	ug/kg	J
sec-Butylbenzene	135-98-8		37	290	ug/kg	J	ND	260	ug/kg	---	29	280	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Styrene	100-42-5	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
tert-Butylbenzene	98-06-6	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Tetrachloroethene	127-18-4	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC													
OSW-8260B													
Tetrahydrofuran	109-99-9	ND	1100	ug/kg	---	ND	1000	ug/kg	---	ND	1100	ug/kg	---
Toluene	108-88-3	ND	290	ug/kg	---	ND	260	ug/kg	---	91	280	ug/kg	J
trans-1,2-Dichloroethene	156-60-5	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Trichloroethene	79-01-6	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
Vinyl chloride	75-01-4	ND	290	ug/kg	---	ND	260	ug/kg	---	ND	280	ug/kg	---
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	1600	ug/kg	---	ND	380	ug/kg	---	54	340	ug/kg	J
2,2'-oxybis[1-chloropropane]	108-60-1	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Chlorophenol	95-57-8	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	1600	ug/kg	---	ND	380	ug/kg	---	970	340	ug/kg	---
2-Methylphenol	95-48-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
2-Nitroaniline	88-74-4	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
2-Nitrophenol	88-75-5	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	2000	ug/kg	---	ND	460	ug/kg	---	ND	420	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
3-Nitroaniline	99-09-2	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Chloroaniline	106-47-8	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
4-Nitroaniline	100-01-6	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
4-Nitrophenol	100-02-7	ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
Acenaphthene	83-32-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	38	340	ug/kg	J
Acenaphthylene	208-96-8	20	1600	ug/kg	J	ND	380	ug/kg	---	29	340	ug/kg	J
Acetophenone	98-86-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	120	340	ug/kg	J
Anthracene	120-12-7	38	1600	ug/kg	J	ND	380	ug/kg	---	98	340	ug/kg	J
Atrazine	1912-24-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Benzaldehyde	100-52-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Benzo[a]anthracene	56-55-3	86	1600	ug/kg	J	9.4	380	ug/kg	J	180	340	ug/kg	J
Benzo[a]pyrene	50-32-8	87	1600	ug/kg	J	8.5	380	ug/kg	J	220	340	ug/kg	J
Benzo[b]fluoranthene	205-99-2	170	1600	ug/kg	J	14	380	ug/kg	J	450	340	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	120	1600	ug/kg	J	11	380	ug/kg	J	280	340	ug/kg	J
Benzo[k]fluoranthene	207-08-9	62	1600	ug/kg	J	5.5	380	ug/kg	J	110	340	ug/kg	J
Bis(2-chloroethoxy)methane	111-91-1	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	450	1600	ug/kg	J	43	380	ug/kg	J	36	340	ug/kg	J
Butyl benzyl phthalate	85-68-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Caprolactam	105-60-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Carbazole	86-74-8	ND	1600	ug/kg	---	ND	380	ug/kg	---	71	340	ug/kg	J
Chrysene	218-01-9	130	1600	ug/kg	J	12	380	ug/kg	J	270	340	ug/kg	J
Di-n-butyl phthalate	84-74-2	ND	1600	ug/kg	---	ND	380	ug/kg	---	21	340	ug/kg	J
Di-n-octyl phthalate	117-84-0	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	77	340	ug/kg	J
Dibenzofuran	132-64-9	ND	1600	ug/kg	---	ND	380	ug/kg	---	190	340	ug/kg	J
Diethyl phthalate	84-66-2	ND	1600	ug/kg	---	94	380	ug/kg	J	ND	340	ug/kg	---
Dimethyl phthalate	131-11-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Fluoranthene	206-44-0	170	1600	ug/kg	J	18	380	ug/kg	J	320	340	ug/kg	J
Fluorene	86-73-7	ND	1600	ug/kg	---	ND	380	ug/kg	---	22	340	ug/kg	J
Hexachlorobenzene	118-74-1	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Hexachlorocyclopentadiene	77-47-4		ND	7800	ug/kg	---	ND	1900	ug/kg	---	ND	1700	ug/kg	---
Hexachloroethane	67-72-1		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5		ND	1600	ug/kg	---	ND	380	ug/kg	---	200	340	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-254_0-2(20121029)				ASB-254_4-5(20121029)				ASB-255_0-2(20121029)			
		Lab Sample ID:	240169531				240169532				240169533			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC														
OSW-8270C														
Isophorone	78-59-1		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
N-Nitrosodiphenylamine	86-30-6		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Naphthalene	91-20-3		ND	1600	ug/kg	---	ND	380	ug/kg	---	660	340	ug/kg	---
Nitrobenzene	98-95-3		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Pentachlorophenol	87-86-5		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Phenanthrene	85-01-8		89	1600	ug/kg	J	6.1	380	ug/kg	J	510	340	ug/kg	---
Phenol	108-95-2		ND	1600	ug/kg	---	ND	380	ug/kg	---	ND	340	ug/kg	---
Pyrene	129-00-0		150	1600	ug/kg	J	16	380	ug/kg	J	270	340	ug/kg	J
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1221	11104-28-2		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1232	11141-16-5		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1242	53469-21-9		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1248	12672-29-6		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1254	11097-69-1		ND	41	ug/kg	---					ND	35	ug/kg	---
Aroclor-1260	11096-82-5		ND	41	ug/kg	---					ND	35	ug/kg	---
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004		70	23	mg/kg	---	2.6	9.8	mg/kg	J	67	9.8	mg/kg	---
Metals														
OSW-6010B														
Arsenic	7440-38-2		3.3	0.90	mg/kg	---	3.2	0.93	mg/kg	---	4.9	0.93	mg/kg	---
Barium	7440-39-3		93	18	mg/kg	---	46	19	mg/kg	---	67	19	mg/kg	---
Cadmium	7440-43-9		0.71	0.18	mg/kg	---	ND	0.19	mg/kg	---	0.56	0.19	mg/kg	---
Chromium	7440-47-3		27	0.45	mg/kg	J	18	0.47	mg/kg	---	6.0	0.46	mg/kg	---
Lead	7439-92-1		39	0.27	mg/kg	---	4.3	0.28	mg/kg	---	170	0.28	mg/kg	---
Selenium	7782-49-2		ND	0.45	mg/kg	---	ND	0.47	mg/kg	---	ND	0.46	mg/kg	---
Silver	7440-22-4		0.11	0.45	mg/kg	J	ND	0.47	mg/kg	---	ND	0.46	mg/kg	---
OSW-7471A														
Mercury	7439-97-6		0.060	0.13	mg/kg	J	0.021	0.12	mg/kg	J	0.023	0.11	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,3-Dichlorobenzene	541-73-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
2-Chlorotoluene	95-49-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
2-Hexanone	591-78-6		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
4-Chlorotoluene	106-43-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Acetone	67-64-1		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Allyl chloride	107-05-1		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Benzene	71-43-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromobenzene	108-86-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromochloromethane	74-97-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromodichloromethane	75-27-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromoform	75-25-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Bromomethane	74-83-9		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Carbon disulfide	75-15-0		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Carbon tetrachloride	56-23-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chlorobenzene	108-90-7		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chlorodibromomethane	124-48-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chloroethane	75-00-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chloroform	67-66-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Chloromethane	74-87-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Cyclohexane	110-82-7		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Dibromomethane	74-95-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Ethyl ether	60-29-7		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Ethylbenzene	100-41-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Isopropylbenzene	98-82-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
m-Xylene & p-Xylene	179601-23-1		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Methyl acetate	79-20-9		46	600	ug/kg	J	ND	610	ug/kg	---	ND	680	ug/kg	---
Methyl tert butyl ether	1634-04-4		ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Methylcyclohexane	108-87-2		ND	600	ug/kg	---	ND	610	ug/kg	---	ND	680	ug/kg	---
Methylene Chloride	75-09-2		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
n-Butylbenzene	104-51-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
N-Propylbenzene	103-65-1		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Naphthalene	91-20-3		20	300	ug/kg	J	ND	310	ug/kg	---	ND	340	ug/kg	---
o-Xylene	95-47-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
p-Isopropyltoluene	99-87-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
sec-Butylbenzene	135-98-8		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	Cas No.		Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Styrene	100-42-5		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
tert-Butylbenzene	98-06-6		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Tetrachloroethene	127-18-4		ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
			Report			Valid	Report			Valid	Report			Valid
Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC													
OSW-8260B													
Tetrahydrofuran	109-99-9	ND	1200	ug/kg	---	ND	1200	ug/kg	---	ND	1400	ug/kg	---
Toluene	108-88-3	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Trichloroethene	79-01-6	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
Vinyl chloride	75-01-4	ND	300	ug/kg	---	ND	310	ug/kg	---	ND	340	ug/kg	---
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,2'-oxybis[1-chloropropane]	108-60-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4,5-Trichlorophenol	95-95-4	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4,6-Trichlorophenol	88-06-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4-Dichlorophenol	120-83-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4-Dimethylphenol	105-67-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
2,4-Dinitrotoluene	121-14-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2,6-Dinitrotoluene	606-20-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Chloronaphthalene	91-58-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Chlorophenol	95-57-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Methylnaphthalene	91-57-6	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Methylphenol	95-48-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
2-Nitroaniline	88-74-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
2-Nitrophenol	88-75-5	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
3 & 4 Methylphenol	65794-96-9	ND	480	ug/kg	---	ND	470	ug/kg	---	ND	520	ug/kg	---
3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
3-Nitroaniline	99-09-2	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
4-Bromophenyl phenyl ether	101-55-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Chloro-3-methylphenol	59-50-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Chloroaniline	106-47-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Chlorophenyl phenyl ether	7005-72-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
4-Nitroaniline	100-01-6	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
4-Nitrophenol	100-02-7	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
Acenaphthene	83-32-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Acenaphthylene	208-96-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Acetophenone	98-86-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Anthracene	120-12-7	ND	390	ug/kg	---	ND	390	ug/kg	---	4.5	430	ug/kg	J
Atrazine	1912-24-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzaldehyde	100-52-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[a]anthracene	56-55-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[a]pyrene	50-32-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[b]fluoranthene	205-99-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[g,h,i]perylene	191-24-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Benzo[k]fluoranthene	207-08-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Bis(2-chloroethoxy)methane	111-91-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Bis(2-chloroethyl)ether	111-44-4	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Bis(2-ethylhexyl) phthalate	117-81-7	27	390	ug/kg	J	ND	390	ug/kg	---	ND	430	ug/kg	---
Butyl benzyl phthalate	85-68-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Caprolactam	105-60-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Carbazole	86-74-8	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Chrysene	218-01-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Di-n-butyl phthalate	84-74-2	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Di-n-octyl phthalate	117-84-0	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Dibenz(a,h)anthracene	53-70-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Dibenzofuran	132-64-9	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Diethyl phthalate	84-66-2	ND	390	ug/kg	---	100	390	ug/kg	J	44	430	ug/kg	J
Dimethyl phthalate	131-11-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Fluoranthene	206-44-0	11	390	ug/kg	J	ND	390	ug/kg	---	6.5	430	ug/kg	J
Fluorene	86-73-7	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Hexachlorobenzene	118-74-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	---	ND	1900	ug/kg	---	ND	2100	ug/kg	---
Hexachloroethane	67-72-1	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-257_1.5-2(20121029)				ASB-255_8-8.5(20121029)				ASB-256_3-4(20121029)			
		Lab Sample ID:	240169534				240169535				240169536			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
			Result			Valid	Result			Valid	Result			Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS SVOC														
OSW-8270C														
Isophorone	78-59-1		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
N-Nitrosodi-n-propylamine	621-64-7		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
N-Nitrosodiphenylamine	86-30-6		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Naphthalene	91-20-3		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Nitrobenzene	98-95-3		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Pentachlorophenol	87-86-5		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Phenanthrene	85-01-8		6.4	390	ug/kg	J	ND	390	ug/kg	---	ND	430	ug/kg	---
Phenol	108-95-2		ND	390	ug/kg	---	ND	390	ug/kg	---	ND	430	ug/kg	---
Pyrene	129-00-0		9.0	390	ug/kg	J	ND	390	ug/kg	---	5.8	430	ug/kg	J
Pest & PCB														
OSW-8082														
Aroclor-1016	12674-11-2		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1221	11104-28-2		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1232	11141-16-5		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1242	53469-21-9		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1248	12672-29-6		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1254	11097-69-1		ND	39	ug/kg	---					ND	44	ug/kg	---
Aroclor-1260	11096-82-5		ND	39	ug/kg	---					ND	44	ug/kg	---
GC Other														
PUBL-SW-141														
WI Diesel Range Organics (C10-C28)	E-1004		8.6	9.3	mg/kg	J	5.9	8.9	mg/kg	J	2.4	11	mg/kg	J
Metals														
OSW-6010B														
Arsenic	7440-38-2		3.6	1.1	mg/kg	---	2.7	0.95	mg/kg	---	4.0	1.1	mg/kg	---
Barium	7440-39-3		77	22	mg/kg	---	22	19	mg/kg	---	90	22	mg/kg	---
Cadmium	7440-43-9		ND	0.22	mg/kg	---	ND	0.19	mg/kg	---	ND	0.22	mg/kg	---
Chromium	7440-47-3		15	0.55	mg/kg	---	17	0.47	mg/kg	---	17	0.55	mg/kg	---
Lead	7439-92-1		6.9	0.33	mg/kg	---	4.1	0.28	mg/kg	---	7.1	0.33	mg/kg	---
Selenium	7782-49-2		ND	0.55	mg/kg	---	ND	0.47	mg/kg	---	ND	0.55	mg/kg	---
Silver	7440-22-4		ND	0.55	mg/kg	---	ND	0.47	mg/kg	---	ND	0.55	mg/kg	---
OSW-7471A														
Mercury	7439-97-6		0.035	0.11	mg/kg	J	0.026	0.13	mg/kg	J	0.043	0.13	mg/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
Analyte	**Cas No.**		**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**
GC/MS VOC														
OSW-8260B														
1,1,1,2-Tetrachloroethane	630-20-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,1-Trichloroethane	71-55-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1,2-Trichloroethane	79-00-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1-Dichloroethane	75-34-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1-Dichloroethene	75-35-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,1-Dichloropropene	563-58-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,3-Trichloropropane	96-18-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6		17	250	ug/kg	J	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
1,2-Dibromoethane	106-93-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dichlorobenzene	95-50-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dichloroethane	107-06-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,2-Dichloropropane	78-87-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,3-Dichlorobenzene	541-73-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,3-Dichloropropane	142-28-9		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
1,4-Dichlorobenzene	106-46-7		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
2,2-Dichloropropane	594-20-7		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
2-Butanone (MEK)	78-93-3		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
2-Chlorotoluene	95-49-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
2-Hexanone	591-78-6		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
4-Chlorotoluene	106-43-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
Acetone	67-64-1		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
Allyl chloride	107-05-1		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Benzene	71-43-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromobenzene	108-86-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromochloromethane	74-97-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromodichloromethane	75-27-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromoform	75-25-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Bromomethane	74-83-9		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Carbon disulfide	75-15-0		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Carbon tetrachloride	56-23-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chlorobenzene	108-90-7		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chlorodibromomethane	124-48-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chloroethane	75-00-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chloroform	67-66-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Chloromethane	74-87-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
cis-1,2-Dichloroethene	156-59-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Cyclohexane	110-82-7		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Dibromomethane	74-95-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Dichlorodifluoromethane	75-71-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Dichlorofluoromethane	75-43-4		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Ethyl ether	60-29-7		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Ethylbenzene	100-41-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Hexachlorobutadiene	87-68-3		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Isopropylbenzene	98-82-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
m-Xylene & p-Xylene	179601-23-1		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Methyl acetate	79-20-9		33	510	ug/kg	J	ND	500	ug/kg	---	ND	660	ug/kg	---
Methyl tert butyl ether	1634-04-4		ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
Methylcyclohexane	108-87-2		ND	510	ug/kg	---	ND	500	ug/kg	---	ND	660	ug/kg	---
Methylene Chloride	75-09-2		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
n-Butylbenzene	104-51-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
N-Propylbenzene	103-65-1		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Naphthalene	91-20-3		9.2	250	ug/kg	J	ND	250	ug/kg	---	ND	330	ug/kg	---
o-Xylene	95-47-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
p-Isopropyltoluene	99-87-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
sec-Butylbenzene	135-98-8		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
			Report			Valid	Report			Valid	Report			Valid
Analyte	Cas No.		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
Styrene	100-42-5		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
tert-Butylbenzene	98-06-6		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
Tetrachloroethene	127-18-4		ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		Valid		Report		Valid		Report		Valid
	Analyte	Cas No.	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier
GC/MS VOC														
	OSW-8260B													
	Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---	ND	1000	ug/kg	---	ND	1300	ug/kg	---
	Toluene	108-88-3	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	Trichloroethene	79-01-6	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
	Vinyl chloride	75-01-4	ND	250	ug/kg	---	ND	250	ug/kg	---	ND	330	ug/kg	---
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Chlorophenol	95-57-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Methylphenol	95-48-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	2-Nitroaniline	88-74-4	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	2-Nitrophenol	88-75-5	ND	390	ug/kg	---					ND	420	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	470	ug/kg	---					ND	510	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	3-Nitroaniline	99-09-2	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Chloroaniline	106-47-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	4-Nitroaniline	100-01-6	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	4-Nitrophenol	100-02-7	ND	1900	ug/kg	---					ND	2100	ug/kg	---
	Acenaphthene	83-32-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Acenaphthylene	208-96-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	Acetophenone	98-86-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Anthracene	120-12-7	4.6	390	ug/kg	J					ND	420	ug/kg	---
	Atrazine	1912-24-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Benzaldehyde	100-52-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Benzo[a]anthracene	56-55-3	5.6	390	ug/kg	J					ND	420	ug/kg	---
	Benzo[a]pyrene	50-32-8	4.8	390	ug/kg	J					ND	420	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	13	390	ug/kg	J					ND	420	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	390	ug/kg	---					ND	420	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Butyl benzyl phthalate	85-68-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Caprolactam	105-60-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Carbazole	86-74-8	ND	390	ug/kg	---					ND	420	ug/kg	---
	Chrysene	218-01-9	10	390	ug/kg	J					ND	420	ug/kg	---
	Di-n-butyl phthalate	84-74-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	390	ug/kg	---					ND	420	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Dibenzofuran	132-64-9	ND	390	ug/kg	---					ND	420	ug/kg	---
	Diethyl phthalate	84-66-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Dimethyl phthalate	131-11-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Fluoranthene	206-44-0	11	390	ug/kg	J					ND	420	ug/kg	---
	Fluorene	86-73-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	390	ug/kg	---					ND	420	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
Analyte	**Cas No.**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**	**Result**	**Report Limit**	**Units**	**Valid Qualifier**
Hexachlorocyclopentadiene	77-47-4	ND	1900	ug/kg	---					ND	2100	ug/kg	---
Hexachloroethane	67-72-1	ND	390	ug/kg	---					ND	420	ug/kg	---
Indeno[1,2,3-cd]pyrene	193-39-5	5.5	390	ug/kg	J					ND	420	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 16953-1

		Sample Name:	ASB-256_9-10(20121029)				MB-001(20121029				ASB-257_6-8(20121029)			
		Lab Sample ID:	240169537				240169538				240169539			
		Sample Date:	10/29/2012				10/29/2012				10/29/2012			
				Report		**Valid**		**Report**		**Valid**		**Report**		**Valid**
	Analyte	**Cas No.**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**	**Result**	**Limit**	**Units**	**Qualifier**
GC/MS SVOC														
	OSW-8270C													
	Isophorone	78-59-1	ND	390	ug/kg	---					ND	420	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	390	ug/kg	---					ND	420	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	390	ug/kg	---					ND	420	ug/kg	---
	Naphthalene	91-20-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Nitrobenzene	98-95-3	ND	390	ug/kg	---					ND	420	ug/kg	---
	Pentachlorophenol	87-86-5	ND	390	ug/kg	---					ND	420	ug/kg	---
	Phenanthrene	85-01-8	4.6	390	ug/kg	J					ND	420	ug/kg	---
	Phenol	108-95-2	ND	390	ug/kg	---					ND	420	ug/kg	---
	Pyrene	129-00-0	10	390	ug/kg	J					ND	420	ug/kg	---
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2												
	Aroclor-1221	11104-28-2												
	Aroclor-1232	11141-16-5												
	Aroclor-1242	53469-21-9												
	Aroclor-1248	12672-29-6												
	Aroclor-1254	11097-69-1												
	Aroclor-1260	11096-82-5												
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	37	9.9	mg/kg	---					3.8	10	mg/kg	J
Metals														
	OSW-6010B													
	Arsenic	7440-38-2	2.5	0.98	mg/kg	---					3.2	1.1	mg/kg	---
	Barium	7440-39-3	57	20	mg/kg	---					33	21	mg/kg	---
	Cadmium	7440-43-9	ND	0.20	mg/kg	---					ND	0.21	mg/kg	---
	Chromium	7440-47-3	15	0.49	mg/kg	---					20	0.54	mg/kg	---
	Lead	7439-92-1	5.5	0.29	mg/kg	---					4.8	0.32	mg/kg	---
	Selenium	7782-49-2	ND	0.49	mg/kg	---					ND	0.54	mg/kg	---
	Silver	7440-22-4	ND	0.49	mg/kg	---					ND	0.54	mg/kg	---
	OSW-7471A													
	Mercury	7439-97-6	0.022	0.11	mg/kg	J					0.038	0.14	mg/kg	J

November 19, 2012

Rob Ellis
ARCADIS
430 First Avenue North, Ste 720
Minneapolis, MN US 55401

Enovis project ID: E200572
Project: FORD-Twin Cities Assembly Plant
Project number: DE000440.0001.00005
Laboratory: TestAmerica - North Canton
Laboratory submittal: 17018-1
Sample date: 2012-10-30
Report received by Enovis: 2012-11-16
Initial Data Verification completed by Enovis: 2012-11-19

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the Enovis Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

1 Water sample(s) was analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other and Metals parameter(s).
11 Solid sample(s) were analyzed for GCMS VOC, GCMS SVOC, PCB, GC Other, Metals and General Chemistry parameter(s). 1 Water trip blank was analyzed for GCMS VOC parameters.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, LCS/LCD RPD, MS/MSD Recovery, MS/MSD RPD, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

Qualifiers added during verification have been added to the electronic data which is available for download from the Enovis CLMS. Refer to the attached table of analytical results that have been qualified during verification.

The following minor QC exceptions or missing information were noted:

GCMS VOC method blank for QC batch 63987 had detections above the RL for methylene chloride and below the RL for ethylether, naphthalene and tetrahydrofuran. Client sample trip blank naphthalene result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC trip blank had detections below the RL for acetone and naphthalene (qualified as non-detect at RL due to method blank detection noted above). Client sample -003 acetone result should be considered to be non-detect at the RL and qualified with a UB flag.

GCMS VOC QC batch 63576 and PCB QC batch 63627 did not have sufficient sample volumes available to perform the required MS/MSD QC samples.

PCB surrogate recoveries were outside of laboratory control limits biased low for 1 out of 2 surrogates in client sample -003. Qualification of client sample results was not required based on this QC outlier alone.

DRO sample container for client sample -003 was received not properly preserved (pH was greater than 2). Client sample -003 DRO results should be considered to be estimated and qualified with a J flag.

DRO surrogate recoveries were not reported with the sample results.

Metals method blanks had detections below the RL for barium in QC batches 63580 and 63809.

The definitions of the qualifiers used for this data package are defined in the analytical report. Enovis valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory's analytical report access the Enovis CLMS at http://enovis-inc.com/enovis53/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

Enovis Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

SAMPLING AND ANALYSIS SUMMARY

Enovis Project ID: E200572
Laboratory: TestAmerica-North Canton
Laboratory Submittal: 17018-1

Lab Sample ID	Sample ID	Collection Date (mm/yy/dd)	Collection Time (hh:mm:ss)	GCMS VOC	GCMS SVOC	PCB's	Wisconsin DRO Method	ICP METALS DISSOLVED	Mercury (Manual Cold Vapor)(D)	ICP METALS TOTAL	Mercury in Solid Waste	Soil pH
240170181	ASB-262_0.5-1(20121030)	10/30/2012	8:35:00							X	X	X
2401701810	ASB-260_1-2(20121030)	10/30/2012	1:05:00	X	X	X	X			X	X	
2401701811	ASB-260_7-8(20121030)	10/30/2012	1:15:00	X	X		X			X	X	
2401701812	ASB-261_0.5-2(20121030)	10/30/2012	1:50:00	X	X	X	X			X	X	
2401701813	ASB-261_9-11(20121030)	10/30/2012	2:00:00	X	X		X			X	X	
240170182	ASB-262_2-5(20121030)	10/30/2012	8:38:00							X	X	X
240170183	ASB-257_3.5-8.5(20121030)	10/30/2012	9:00:00	X	X	X	X	X	X			
240170184	ASB-258_1-3(20121030)	10/30/2012	10:27:00	X	X	X	X			X	X	
240170185	ASB-258_6-7(20121030)	10/30/2012	10:35:00	X	X		X			X	X	
240170186	ASB-259_1-2(20121030)	10/30/2012	11:15:00	X	X		X			X	X	
240170187	ASB-259_4-6(20121030)	10/30/2012	11:20:00	X	X	X	X			X	X	
240170188	TB-001(20121030)	10/30/2012	12:00:00	X								
240170189	MB-003(20121030)	10/30/2012	12:00:00	X								

Qualified Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

			Sample Name:	ASB-257_3.5-8.5(20121030)				TB-001(20121030)			
			Lab Sample ID:	240170183				240170188			
			Sample Date:	10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC										
	OSW-8260B									
	Acetone	67-64-1	2.2	10	ug/l	UB				
	Naphthalene	91-20-3					0.25	1.0	ug/l	UB
GC Other										
	PUBL-SW-141									
	WI Diesel Range Organics (C10-C28)	E-1004	0.14	0.11	mg/l	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-262_0.5-1(20121030)				ASB-260_1-2(20121030)				ASB-260_7-8(20121030)			
		Lab Sample ID:	240170181				2401701810				2401701811			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1,1-Trichloroethane	71-55-6					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1,2-Trichloroethane	79-00-5					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1-Dichloroethane	75-34-3					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1-Dichloroethene	75-35-4					ND	370	ug/kg	---	ND	310	ug/kg	---
1,1-Dichloropropene	563-58-6					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2,3-Trichloropropane	96-18-4					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8					ND	740	ug/kg	---	ND	620	ug/kg	---
1,2-Dibromoethane	106-93-4					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2-Dichlorobenzene	95-50-1					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2-Dichloroethane	107-06-2					ND	370	ug/kg	---	ND	310	ug/kg	---
1,2-Dichloropropane	78-87-5					ND	370	ug/kg	---	ND	310	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8					ND	370	ug/kg	---	ND	310	ug/kg	---
1,3-Dichlorobenzene	541-73-1					ND	370	ug/kg	---	ND	310	ug/kg	---
1,3-Dichloropropane	142-28-9					ND	370	ug/kg	---	ND	310	ug/kg	---
1,4-Dichlorobenzene	106-46-7					ND	370	ug/kg	---	ND	310	ug/kg	---
2,2-Dichloropropane	594-20-7					ND	370	ug/kg	---	ND	310	ug/kg	---
2-Butanone (MEK)	78-93-3					ND	1500	ug/kg	---	ND	1200	ug/kg	---
2-Chlorotoluene	95-49-8					ND	370	ug/kg	---	ND	310	ug/kg	---
2-Hexanone	591-78-6					ND	1500	ug/kg	---	ND	1200	ug/kg	---
4-Chlorotoluene	106-43-4					ND	370	ug/kg	---	ND	310	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1					ND	1500	ug/kg	---	ND	1200	ug/kg	---
Acetone	67-64-1					ND	1500	ug/kg	---	ND	1200	ug/kg	---
Allyl chloride	107-05-1					ND	740	ug/kg	---	ND	620	ug/kg	---
Benzene	71-43-2					ND	370	ug/kg	---	ND	310	ug/kg	---
Bromobenzene	108-86-1					ND	370	ug/kg	---	ND	310	ug/kg	---
Bromochloromethane	74-97-5					ND	370	ug/kg	---	ND	310	ug/kg	---
Bromodichloromethane	75-27-4					ND	370	ug/kg	---	ND	310	ug/kg	---
Bromoform	75-25-2					ND	370	ug/kg	---	ND	310	ug/kg	---
Bromomethane	74-83-9					ND	370	ug/kg	---	ND	310	ug/kg	---
Carbon disulfide	75-15-0					ND	370	ug/kg	---	ND	310	ug/kg	---
Carbon tetrachloride	56-23-5					ND	370	ug/kg	---	ND	310	ug/kg	---
Chlorobenzene	108-90-7					ND	370	ug/kg	---	ND	310	ug/kg	---
Chlorodibromomethane	124-48-1					ND	370	ug/kg	---	ND	310	ug/kg	---
Chloroethane	75-00-3					ND	370	ug/kg	---	ND	310	ug/kg	---
Chloroform	67-66-3					ND	370	ug/kg	---	ND	310	ug/kg	---
Chloromethane	74-87-3					ND	370	ug/kg	---	ND	310	ug/kg	---
cis-1,2-Dichloroethene	156-59-2					ND	370	ug/kg	---	ND	310	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5					ND	370	ug/kg	---	ND	310	ug/kg	---
Cyclohexane	110-82-7					ND	740	ug/kg	---	ND	620	ug/kg	---
Dibromomethane	74-95-3					ND	370	ug/kg	---	ND	310	ug/kg	---
Dichlorodifluoromethane	75-71-8					ND	370	ug/kg	---	ND	310	ug/kg	---
Dichlorofluoromethane	75-43-4					ND	740	ug/kg	---	ND	620	ug/kg	---
Ethyl ether	60-29-7					ND	740	ug/kg	---	ND	620	ug/kg	---
Ethylbenzene	100-41-4					ND	370	ug/kg	---	ND	310	ug/kg	---
Hexachlorobutadiene	87-68-3					ND	370	ug/kg	---	ND	310	ug/kg	---
Isopropylbenzene	98-82-8					ND	370	ug/kg	---	ND	310	ug/kg	---
m-Xylene & p-Xylene	179601-23-1					ND	740	ug/kg	---	ND	620	ug/kg	---
Methyl acetate	79-20-9					ND	740	ug/kg	---	ND	620	ug/kg	---
Methyl tert butyl ether	1634-04-4					ND	1500	ug/kg	---	ND	1200	ug/kg	---
Methylcyclohexane	108-87-2					ND	740	ug/kg	---	ND	620	ug/kg	---
Methylene Chloride	75-09-2					ND	370	ug/kg	---	ND	310	ug/kg	---
n-Butylbenzene	104-51-8					ND	370	ug/kg	---	ND	310	ug/kg	---
N-Propylbenzene	103-65-1					ND	370	ug/kg	---	ND	310	ug/kg	---
Naphthalene	91-20-3					ND	370	ug/kg	---	ND	310	ug/kg	---
o-Xylene	95-47-6					ND	370	ug/kg	---	ND	310	ug/kg	---
p-Isopropyltoluene	99-87-6					ND	370	ug/kg	---	ND	310	ug/kg	---
sec-Butylbenzene	135-98-8					ND	370	ug/kg	---	ND	310	ug/kg	---
Styrene	100-42-5					ND	370	ug/kg	---	ND	310	ug/kg	---
tert-Butylbenzene	98-06-6					ND	370	ug/kg	---	ND	310	ug/kg	---
Tetrachloroethene	127-18-4					ND	370	ug/kg	---	ND	310	ug/kg	---
Tetrahydrofuran	109-99-9					ND	1500	ug/kg	---	ND	1200	ug/kg	---
Toluene	108-88-3					ND	370	ug/kg	---	ND	310	ug/kg	---
trans-1,2-Dichloroethene	156-60-5					ND	370	ug/kg	---	ND	310	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6					ND	370	ug/kg	---	ND	310	ug/kg	---
Trichloroethene	79-01-6					ND	370	ug/kg	---	ND	310	ug/kg	---
Trichlorofluoromethane	75-69-4					ND	370	ug/kg	---	ND	310	ug/kg	---
Vinyl chloride	75-01-4					ND	370	ug/kg	---	ND	310	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-262_0.5-1(20121030)				ASB-260_1-2(20121030)				ASB-260_7-8(20121030)			
		Lab Sample ID:	240170181				2401701810				2401701811			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,4-Dichlorophenol	120-83-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,4-Dimethylphenol	105-67-9					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,4-Dinitrophenol	51-28-5					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	2,4-Dinitrotoluene	121-14-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	2,6-Dinitrotoluene	606-20-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	2-Chloronaphthalene	91-58-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	2-Chlorophenol	95-57-8					ND	460	ug/kg	---	ND	420	ug/kg	---
	2-Methylnaphthalene	91-57-6					ND	460	ug/kg	---	ND	420	ug/kg	---
	2-Methylphenol	95-48-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	2-Nitroaniline	88-74-4					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	2-Nitrophenol	88-75-5					ND	460	ug/kg	---	ND	420	ug/kg	---
	3 & 4 Methylphenol	65794-96-9					ND	560	ug/kg	---	ND	510	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	3-Nitroaniline	99-09-2					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3					ND	460	ug/kg	---	ND	420	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	4-Chloroaniline	106-47-8					ND	460	ug/kg	---	ND	420	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3					ND	460	ug/kg	---	ND	420	ug/kg	---
	4-Nitroaniline	100-01-6					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	4-Nitrophenol	100-02-7					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	Acenaphthene	83-32-9					ND	460	ug/kg	---	ND	420	ug/kg	---
	Acenaphthylene	208-96-8					ND	460	ug/kg	---	ND	420	ug/kg	---
	Acetophenone	98-86-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	Anthracene	120-12-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	Atrazine	1912-24-9					ND	460	ug/kg	---	ND	420	ug/kg	---
	Benzaldehyde	100-52-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	Benzo[a]anthracene	56-55-3					13	460	ug/kg	J	11	420	ug/kg	J
	Benzo[a]pyrene	50-32-8					14	460	ug/kg	J	12	420	ug/kg	J
	Benzo[b]fluoranthene	205-99-2					13	460	ug/kg	J	18	420	ug/kg	J
	Benzo[g,h,i]perylene	191-24-2					11	460	ug/kg	J	11	420	ug/kg	J
	Benzo[k]fluoranthene	207-08-9					ND	460	ug/kg	---	7.9	420	ug/kg	J
	Bis(2-chloroethoxy)methane	111-91-1					ND	460	ug/kg	---	ND	420	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4					ND	460	ug/kg	---	ND	420	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7					ND	460	ug/kg	---	30	420	ug/kg	J
	Butyl benzyl phthalate	85-68-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	Caprolactam	105-60-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	Carbazole	86-74-8					ND	460	ug/kg	---	ND	420	ug/kg	---
	Chrysene	218-01-9					18	460	ug/kg	J	18	420	ug/kg	J
	Di-n-butyl phthalate	84-74-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	Di-n-octyl phthalate	117-84-0					ND	460	ug/kg	---	ND	420	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3					ND	460	ug/kg	---	ND	420	ug/kg	---
	Dibenzofuran	132-64-9					ND	460	ug/kg	---	ND	420	ug/kg	---
	Diethyl phthalate	84-66-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	Dimethyl phthalate	131-11-3					ND	460	ug/kg	---	ND	420	ug/kg	---
	Fluoranthene	206-44-0					22	460	ug/kg	J	25	420	ug/kg	J
	Fluorene	86-73-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	Hexachlorobenzene	118-74-1					ND	460	ug/kg	---	ND	420	ug/kg	---
	Hexachlorobutadiene	87-68-3					ND	460	ug/kg	---	ND	420	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4					ND	2200	ug/kg	---	ND	2000	ug/kg	---
	Hexachloroethane	67-72-1					ND	460	ug/kg	---	ND	420	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5					7.9	460	ug/kg	J	8.5	420	ug/kg	J
	Isophorone	78-59-1					ND	460	ug/kg	---	ND	420	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7					ND	460	ug/kg	---	ND	420	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6					ND	460	ug/kg	---	ND	420	ug/kg	---
	Naphthalene	91-20-3					ND	460	ug/kg	---	6.6	420	ug/kg	J
	Nitrobenzene	98-95-3					ND	460	ug/kg	---	ND	420	ug/kg	---
	Pentachlorophenol	87-86-5					ND	460	ug/kg	---	ND	420	ug/kg	---
	Phenanthrene	85-01-8					11	460	ug/kg	J	13	420	ug/kg	J
	Phenol	108-95-2					ND	460	ug/kg	---	ND	420	ug/kg	---
	Pyrene	129-00-0					20	460	ug/kg	J	23	420	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-262_0.5-1(20121030)				ASB-260_1-2(20121030)				ASB-260_7-8(20121030)			
		Lab Sample ID:	240170181				2401701810				2401701811			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2					ND	47	ug/kg	---				
	Aroclor-1221	11104-28-2					ND	47	ug/kg	---				
	Aroclor-1232	11141-16-5					ND	47	ug/kg	---				
	Aroclor-1242	53469-21-9					ND	47	ug/kg	---				
	Aroclor-1248	12672-29-6					ND	47	ug/kg	---				
	Aroclor-1254	11097-69-1					ND	47	ug/kg	---				
	Aroclor-1260	11096-82-5					ND	47	ug/kg	---				
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004					6.7	13	mg/kg	J	ND	11	mg/kg	---
Metals														
	OSW-6010B													
	Arsenic	7440-38-2	2.4	0.79	mg/kg	---	30	1.3	mg/kg	---	270	0.93	mg/kg	---
	Arsenic - Dissolved	7440-38-2												
	Barium	7440-39-3	24	16	mg/kg	---	19	26	mg/kg	J	120	19	mg/kg	---
	Barium - Dissolved	7440-39-3												
	Cadmium	7440-43-9	ND	0.16	mg/kg	---	ND	0.26	mg/kg	---	ND	0.19	mg/kg	---
	Cadmium - Dissolved	7440-43-9												
	Chromium	7440-47-3	12	0.39	mg/kg	---	7.3	0.66	mg/kg	---	14	0.47	mg/kg	---
	Chromium - Dissolved	7440-47-3												
	Lead	7439-92-1	2.6	0.24	mg/kg	---	23	0.40	mg/kg	---	12	0.28	mg/kg	---
	Lead - Dissolved	7439-92-1												
	Selenium	7782-49-2	ND	0.39	mg/kg	---	ND	0.66	mg/kg	---	ND	0.47	mg/kg	---
	Selenium - Dissolved	7782-49-2												
	Silver	7440-22-4	ND	0.39	mg/kg	---	ND	0.66	mg/kg	---	ND	0.47	mg/kg	---
	Silver - Dissolved	7440-22-4												
	OSW-7470A													
	Mercury - Dissolved	7439-97-6												
	OSW-7471A													
	Mercury	7439-97-6	0.026	0.12	mg/kg	J	0.12	0.14	mg/kg	J	0.038	0.13	mg/kg	J
General Chemistry														
	OSW-9045C													
	pH	E-10139	9.26	0.100	pH units	---								

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-261_0.5-2(20121030)				ASB-261_9-11(20121030)				ASB-262_2-5(20121030)			
		Lab Sample ID:	2401701812				2401701813				240170182			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1,1-Trichloroethane	71-55-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1,2,2-Tetrachloroethane	79-34-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1,2-Trichloroethane	79-00-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1-Dichloroethane	75-34-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1-Dichloroethene	75-35-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,1-Dichloropropene	563-58-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2,3-Trichlorobenzene	87-61-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2,3-Trichloropropane	96-18-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2,4-Trichlorobenzene	120-82-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2,4-Trimethylbenzene	95-63-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2-Dibromo-3-Chloropropane	96-12-8	ND	600	ug/kg	---	ND	680	ug/kg	---				
1,2-Dibromoethane	106-93-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2-Dichlorobenzene	95-50-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2-Dichloroethane	107-06-2	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,2-Dichloropropane	78-87-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,3,5-Trimethylbenzene	108-67-8	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,3-Dichlorobenzene	541-73-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,3-Dichloropropane	142-28-9	ND	300	ug/kg	---	ND	340	ug/kg	---				
1,4-Dichlorobenzene	106-46-7	ND	300	ug/kg	---	ND	340	ug/kg	---				
2,2-Dichloropropane	594-20-7	ND	300	ug/kg	---	ND	340	ug/kg	---				
2-Butanone (MEK)	78-93-3	ND	1200	ug/kg	---	ND	1400	ug/kg	---				
2-Chlorotoluene	95-49-8	ND	300	ug/kg	---	ND	340	ug/kg	---				
2-Hexanone	591-78-6	ND	1200	ug/kg	---	ND	1400	ug/kg	---				
4-Chlorotoluene	106-43-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1200	ug/kg	---	ND	1400	ug/kg	---				
Acetone	67-64-1	ND	1200	ug/kg	---	ND	1400	ug/kg	---				
Allyl chloride	107-05-1	ND	600	ug/kg	---	ND	680	ug/kg	---				
Benzene	71-43-2	ND	300	ug/kg	---	ND	340	ug/kg	---				
Bromobenzene	108-86-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
Bromochloromethane	74-97-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
Bromodichloromethane	75-27-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
Bromoform	75-25-2	ND	300	ug/kg	---	ND	340	ug/kg	---				
Bromomethane	74-83-9	ND	300	ug/kg	---	ND	340	ug/kg	---				
Carbon disulfide	75-15-0	ND	300	ug/kg	---	ND	340	ug/kg	---				
Carbon tetrachloride	56-23-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
Chlorobenzene	108-90-7	ND	300	ug/kg	---	ND	340	ug/kg	---				
Chlorodibromomethane	124-48-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
Chloroethane	75-00-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
Chloroform	67-66-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
Chloromethane	74-87-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
cis-1,2-Dichloroethene	156-59-2	ND	300	ug/kg	---	ND	340	ug/kg	---				
cis-1,3-Dichloropropene	10061-01-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
Cyclohexane	110-82-7	ND	600	ug/kg	---	ND	680	ug/kg	---				
Dibromomethane	74-95-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
Dichlorodifluoromethane	75-71-8	ND	300	ug/kg	---	ND	340	ug/kg	---				
Dichlorofluoromethane	75-43-4	ND	600	ug/kg	---	ND	680	ug/kg	---				
Ethyl ether	60-29-7	ND	600	ug/kg	---	ND	680	ug/kg	---				
Ethylbenzene	100-41-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
Isopropylbenzene	98-82-8	ND	300	ug/kg	---	ND	340	ug/kg	---				
m-Xylene & p-Xylene	179601-23-1	ND	600	ug/kg	---	ND	680	ug/kg	---				
Methyl acetate	79-20-9	ND	600	ug/kg	---	330	680	ug/kg	J				
Methyl tert butyl ether	1634-04-4	ND	1200	ug/kg	---	ND	1400	ug/kg	---				
Methylcyclohexane	108-87-2	ND	600	ug/kg	---	ND	680	ug/kg	---				
Methylene Chloride	75-09-2	ND	300	ug/kg	---	ND	340	ug/kg	---				
n-Butylbenzene	104-51-8	ND	300	ug/kg	---	ND	340	ug/kg	---				
N-Propylbenzene	103-65-1	ND	300	ug/kg	---	ND	340	ug/kg	---				
Naphthalene	91-20-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
o-Xylene	95-47-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
p-Isopropyltoluene	99-87-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
sec-Butylbenzene	135-98-8	ND	300	ug/kg	---	ND	340	ug/kg	---				
Styrene	100-42-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
tert-Butylbenzene	98-06-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
Tetrachloroethene	127-18-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
Tetrahydrofuran	109-99-9	ND	1200	ug/kg	---	ND	1400	ug/kg	---				
Toluene	108-88-3	ND	300	ug/kg	---	ND	340	ug/kg	---				
trans-1,2-Dichloroethene	156-60-5	ND	300	ug/kg	---	ND	340	ug/kg	---				
trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
Trichloroethene	79-01-6	ND	300	ug/kg	---	ND	340	ug/kg	---				
Trichlorofluoromethane	75-69-4	ND	300	ug/kg	---	ND	340	ug/kg	---				
Vinyl chloride	75-01-4	ND	300	ug/kg	---	ND	340	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-261_0.5-2(20121030)				ASB-261_9-11(20121030)				ASB-262_2-5(20121030)			
		Lab Sample ID:	2401701812				2401701813				240170182			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,2'-oxybis[1-chloropropane]	108-60-1	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,4,5-Trichlorophenol	95-95-4	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,4,6-Trichlorophenol	88-06-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,4-Dichlorophenol	120-83-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,4-Dimethylphenol	105-67-9	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,4-Dinitrophenol	51-28-5	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
2,4-Dinitrotoluene	121-14-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
2,6-Dinitrotoluene	606-20-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
2-Chloronaphthalene	91-58-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
2-Chlorophenol	95-57-8	ND	410	ug/kg	---	ND	420	ug/kg	---				
2-Methylnaphthalene	91-57-6	ND	410	ug/kg	---	ND	420	ug/kg	---				
2-Methylphenol	95-48-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
2-Nitroaniline	88-74-4	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
2-Nitrophenol	88-75-5	ND	410	ug/kg	---	ND	420	ug/kg	---				
3 & 4 Methylphenol	65794-96-9	ND	500	ug/kg	---	ND	510	ug/kg	---				
3,3'-Dichlorobenzidine	91-94-1	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
3-Nitroaniline	99-09-2	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
4,6-Dinitro-2-methylphenol	534-52-1	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
4-Bromophenyl phenyl ether	101-55-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
4-Chloro-3-methylphenol	59-50-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
4-Chloroaniline	106-47-8	ND	410	ug/kg	---	ND	420	ug/kg	---				
4-Chlorophenyl phenyl ether	7005-72-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
4-Nitroaniline	100-01-6	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
4-Nitrophenol	100-02-7	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
Acenaphthene	83-32-9	7.6	410	ug/kg	J	ND	420	ug/kg	---				
Acenaphthylene	208-96-8	ND	410	ug/kg	---	ND	420	ug/kg	---				
Acetophenone	98-86-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
Anthracene	120-12-7	18	410	ug/kg	J	ND	420	ug/kg	---				
Atrazine	1912-24-9	ND	410	ug/kg	---	ND	420	ug/kg	---				
Benzaldehyde	100-52-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
Benzo[a]anthracene	56-55-3	42	410	ug/kg	J	ND	420	ug/kg	---				
Benzo[a]pyrene	50-32-8	34	410	ug/kg	J	ND	420	ug/kg	---				
Benzo[b]fluoranthene	205-99-2	42	410	ug/kg	J	ND	420	ug/kg	---				
Benzo[g,h,i]perylene	191-24-2	23	410	ug/kg	J	ND	420	ug/kg	---				
Benzo[k]fluoranthene	207-08-9	22	410	ug/kg	J	ND	420	ug/kg	---				
Bis(2-chloroethoxy)methane	111-91-1	ND	410	ug/kg	---	ND	420	ug/kg	---				
Bis(2-chloroethyl)ether	111-44-4	ND	410	ug/kg	---	ND	420	ug/kg	---				
Bis(2-ethylhexyl) phthalate	117-81-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
Butyl benzyl phthalate	85-68-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
Caprolactam	105-60-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
Carbazole	86-74-8	ND	410	ug/kg	---	ND	420	ug/kg	---				
Chrysene	218-01-9	48	410	ug/kg	J	ND	420	ug/kg	---				
Di-n-butyl phthalate	84-74-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
Di-n-octyl phthalate	117-84-0	ND	410	ug/kg	---	ND	420	ug/kg	---				
Dibenz(a,h)anthracene	53-70-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
Dibenzofuran	132-64-9	ND	410	ug/kg	---	ND	420	ug/kg	---				
Diethyl phthalate	84-66-2	ND	410	ug/kg	---	ND	420	ug/kg	---				
Dimethyl phthalate	131-11-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
Fluoranthene	206-44-0	92	410	ug/kg	J	ND	420	ug/kg	---				
Fluorene	86-73-7	6.3	410	ug/kg	J	ND	420	ug/kg	---				
Hexachlorobenzene	118-74-1	ND	410	ug/kg	---	ND	420	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
Hexachlorocyclopentadiene	77-47-4	ND	2000	ug/kg	---	ND	2000	ug/kg	---				
Hexachloroethane	67-72-1	ND	410	ug/kg	---	ND	420	ug/kg	---				
Indeno[1,2,3-cd]pyrene	193-39-5	19	410	ug/kg	J	ND	420	ug/kg	---				
Isophorone	78-59-1	ND	410	ug/kg	---	ND	420	ug/kg	---				
N-Nitrosodi-n-propylamine	621-64-7	ND	410	ug/kg	---	ND	420	ug/kg	---				
N-Nitrosodiphenylamine	86-30-6	ND	410	ug/kg	---	ND	420	ug/kg	---				
Naphthalene	91-20-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
Nitrobenzene	98-95-3	ND	410	ug/kg	---	ND	420	ug/kg	---				
Pentachlorophenol	87-86-5	ND	410	ug/kg	---	ND	420	ug/kg	---				
Phenanthrene	85-01-8	70	410	ug/kg	J	ND	420	ug/kg	---				
Phenol	108-95-2	ND	410	ug/kg	---	150	420	ug/kg	J				
Pyrene	129-00-0	77	410	ug/kg	J	ND	420	ug/kg	---				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-261_0.5-2(20121030)				ASB-261_9-11(20121030)				ASB-262_2-5(20121030)			
		Lab Sample ID:	2401701812				2401701813				240170182			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	41	ug/kg	---								
	Aroclor-1221	11104-28-2	ND	41	ug/kg	---								
	Aroclor-1232	11141-16-5	ND	41	ug/kg	---								
	Aroclor-1242	53469-21-9	ND	41	ug/kg	---								
	Aroclor-1248	12672-29-6	ND	41	ug/kg	---								
	Aroclor-1254	11097-69-1	ND	41	ug/kg	---								
	Aroclor-1260	11096-82-5	ND	41	ug/kg	---								
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	2.8	10	mg/kg	J	3.0	10	mg/kg	J				
Metals														
	OSW-6010B													
	Arsenic	7440-38-2	650	1.2	mg/kg	---	2.2	1.2	mg/kg	---	3.5	1.2	mg/kg	---
	Arsenic - Dissolved	7440-38-2												
	Barium	7440-39-3	35	24	mg/kg	---	150	23	mg/kg	---	50	23	mg/kg	---
	Barium - Dissolved	7440-39-3												
	Cadmium	7440-43-9	0.070	0.24	mg/kg	J	0.14	0.23	mg/kg	J	ND	0.23	mg/kg	---
	Cadmium - Dissolved	7440-43-9												
	Chromium	7440-47-3	8.4	0.60	mg/kg	---	19	0.58	mg/kg	---	8.3	0.58	mg/kg	---
	Chromium - Dissolved	7440-47-3												
	Lead	7439-92-1	24	0.36	mg/kg	---	9.1	0.35	mg/kg	---	4.4	0.35	mg/kg	---
	Lead - Dissolved	7439-92-1												
	Selenium	7782-49-2	ND	0.60	mg/kg	---	ND	0.58	mg/kg	---	ND	0.58	mg/kg	---
	Selenium - Dissolved	7782-49-2												
	Silver	7440-22-4	ND	0.60	mg/kg	---	ND	0.58	mg/kg	---	ND	0.58	mg/kg	---
	Silver - Dissolved	7440-22-4												
	OSW-7470A													
	Mercury - Dissolved	7439-97-6												
	OSW-7471A													
	Mercury	7439-97-6	0.17	0.13	mg/kg	---	0.044	0.11	mg/kg	J	0.031	0.11	mg/kg	J
General Chemistry														
	OSW-9045C													
	pH	E-10139									8.29	0.100	pH units	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-257_3.5-8.5(20121030)				ASB-258_1-3(20121030)				ASB-258_6-7(20121030)			
		Lab Sample ID:	240170183				240170184				240170185			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	0.16	1.0	ug/l	J	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	2.0	ug/l	---	ND	570	ug/kg	---	ND	680	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
2-Butanone (MEK)	78-93-3	0.62	10	ug/l	J	ND	1100	ug/kg	---	ND	1400	ug/kg	---
2-Chlorotoluene	95-49-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
2-Hexanone	591-78-6	ND	10	ug/l	---	ND	1100	ug/kg	---	ND	1400	ug/kg	---
4-Chlorotoluene	106-43-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	10	ug/l	---	ND	1100	ug/kg	---	ND	1400	ug/kg	---
Acetone	67-64-1	2.2	10	ug/l	UB	ND	1100	ug/kg	---	ND	1400	ug/kg	---
Allyl chloride	107-05-1	ND	2.0	ug/l	---	ND	570	ug/kg	---	ND	680	ug/kg	---
Benzene	71-43-2	0.25	1.0	ug/l	J	ND	280	ug/kg	---	ND	340	ug/kg	---
Bromobenzene	108-86-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Bromochloromethane	74-97-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Bromodichloromethane	75-27-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Bromoform	75-25-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Bromomethane	74-83-9	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Carbon disulfide	75-15-0	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Carbon tetrachloride	56-23-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Chlorobenzene	108-90-7	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Chlorodibromomethane	124-48-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Chloroethane	75-00-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Chloroform	67-66-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Chloromethane	74-87-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Cyclohexane	110-82-7	0.13	1.0	ug/l	J	ND	570	ug/kg	---	ND	680	ug/kg	---
Dibromomethane	74-95-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	2.0	ug/l	---	ND	570	ug/kg	---	ND	680	ug/kg	---
Ethyl ether	60-29-7	ND	2.0	ug/l	---	ND	570	ug/kg	---	ND	680	ug/kg	---
Ethylbenzene	100-41-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Isopropylbenzene	98-82-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	0.24	2.0	ug/l	J	ND	570	ug/kg	---	ND	680	ug/kg	---
Methyl acetate	79-20-9	ND	10	ug/l	---	64	570	ug/kg	J	140	680	ug/kg	J
Methyl tert butyl ether	1634-04-4	ND	5.0	ug/l	---	ND	1100	ug/kg	---	ND	1400	ug/kg	---
Methylcyclohexane	108-87-2	0.15	1.0	ug/l	J	ND	570	ug/kg	---	ND	680	ug/kg	---
Methylene Chloride	75-09-2	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
n-Butylbenzene	104-51-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
N-Propylbenzene	103-65-1	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Naphthalene	91-20-3	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
o-Xylene	95-47-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
sec-Butylbenzene	135-98-8	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Styrene	100-42-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
tert-Butylbenzene	98-06-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Tetrahydrofuran	109-99-9	ND	5.0	ug/l	---	ND	1100	ug/kg	---	ND	1400	ug/kg	---
Toluene	108-88-3	0.31	1.0	ug/l	J	ND	280	ug/kg	---	ND	340	ug/kg	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	280	ug/kg	---	ND	340	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-257_3.5-8.5(20121030)				ASB-258_1-3(20121030)				ASB-258_6-7(20121030)			
		Lab Sample ID:	240170183				240170184				240170185			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC														
	OSW-8270C													
	1,1'-Biphenyl	92-52-4	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,2'-oxybis[1-chloropropane]	108-60-1	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,4,5-Trichlorophenol	95-95-4	ND	6.9	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,4,6-Trichlorophenol	88-06-2	ND	6.9	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,4-Dichlorophenol	120-83-2	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,4-Dimethylphenol	105-67-9	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,4-Dinitrophenol	51-28-5	ND	6.9	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	2,4-Dinitrotoluene	121-14-2	ND	6.9	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2,6-Dinitrotoluene	606-20-2	ND	6.9	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2-Chloronaphthalene	91-58-7	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2-Chlorophenol	95-57-8	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2-Methylnaphthalene	91-57-6	ND	0.28	ug/l	---	7.7	380	ug/kg	J	ND	490	ug/kg	---
	2-Methylphenol	95-48-7	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	2-Nitroaniline	88-74-4	ND	2.8	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	2-Nitrophenol	88-75-5	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	3 & 4 Methylphenol	65794-96-9	ND	2.8	ug/l	---	ND	460	ug/kg	---	ND	590	ug/kg	---
	3,3'-Dichlorobenzidine	91-94-1	ND	6.9	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	3-Nitroaniline	99-09-2	ND	2.8	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	4,6-Dinitro-2-methylphenol	534-52-1	ND	6.9	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	4-Bromophenyl phenyl ether	101-55-3	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	4-Chloro-3-methylphenol	59-50-7	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	4-Chloroaniline	106-47-8	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	4-Chlorophenyl phenyl ether	7005-72-3	ND	2.8	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	4-Nitroaniline	100-01-6	ND	2.8	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	4-Nitrophenol	100-02-7	ND	6.9	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	Acenaphthene	83-32-9	ND	0.28	ug/l	---	23	380	ug/kg	J	ND	490	ug/kg	---
	Acenaphthylene	208-96-8	ND	0.28	ug/l	---	6.4	380	ug/kg	J	ND	490	ug/kg	---
	Acetophenone	98-86-2	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Anthracene	120-12-7	ND	0.28	ug/l	---	66	380	ug/kg	J	ND	490	ug/kg	---
	Atrazine	1912-24-9	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Benzaldehyde	100-52-7	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Benzo[a]anthracene	56-55-3	ND	0.28	ug/l	---	150	380	ug/kg	J	ND	490	ug/kg	---
	Benzo[a]pyrene	50-32-8	ND	0.28	ug/l	---	120	380	ug/kg	J	ND	490	ug/kg	---
	Benzo[b]fluoranthene	205-99-2	ND	0.28	ug/l	---	170	380	ug/kg	J	ND	490	ug/kg	---
	Benzo[g,h,i]perylene	191-24-2	ND	0.28	ug/l	---	91	380	ug/kg	J	ND	490	ug/kg	---
	Benzo[k]fluoranthene	207-08-9	ND	0.28	ug/l	---	86	380	ug/kg	J	ND	490	ug/kg	---
	Bis(2-chloroethoxy)methane	111-91-1	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Bis(2-chloroethyl)ether	111-44-4	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Bis(2-ethylhexyl) phthalate	117-81-7	1.1	2.8	ug/l	J	39	380	ug/kg	J	36	490	ug/kg	J
	Butyl benzyl phthalate	85-68-7	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Caprolactam	105-60-2	ND	6.9	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Carbazole	86-74-8	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Chrysene	218-01-9	ND	0.28	ug/l	---	180	380	ug/kg	J	ND	490	ug/kg	---
	Di-n-butyl phthalate	84-74-2	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Di-n-octyl phthalate	117-84-0	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Dibenz(a,h)anthracene	53-70-3	ND	0.28	ug/l	---	28	380	ug/kg	J	ND	490	ug/kg	---
	Dibenzofuran	132-64-9	ND	1.4	ug/l	---	14	380	ug/kg	J	ND	490	ug/kg	---
	Diethyl phthalate	84-66-2	ND	1.4	ug/l	---	31	380	ug/kg	J	62	490	ug/kg	J
	Dimethyl phthalate	131-11-3	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Fluoranthene	206-44-0	ND	0.28	ug/l	---	320	380	ug/kg	J	12	490	ug/kg	J
	Fluorene	86-73-7	ND	0.28	ug/l	---	26	380	ug/kg	J	ND	490	ug/kg	---
	Hexachlorobenzene	118-74-1	ND	0.28	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Hexachlorobutadiene	87-68-3	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Hexachlorocyclopentadiene	77-47-4	ND	14	ug/l	---	ND	1900	ug/kg	---	ND	2400	ug/kg	---
	Hexachloroethane	67-72-1	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.28	ug/l	---	68	380	ug/kg	J	ND	490	ug/kg	---
	Isophorone	78-59-1	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	N-Nitrosodi-n-propylamine	621-64-7	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	N-Nitrosodiphenylamine	86-30-6	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Naphthalene	91-20-3	ND	0.28	ug/l	---	7.9	380	ug/kg	J	ND	490	ug/kg	---
	Nitrobenzene	98-95-3	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Pentachlorophenol	87-86-5	ND	6.9	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Phenanthrene	85-01-8	ND	0.28	ug/l	---	220	380	ug/kg	J	ND	490	ug/kg	---
	Phenol	108-95-2	ND	1.4	ug/l	---	ND	380	ug/kg	---	ND	490	ug/kg	---
	Pyrene	129-00-0	ND	0.28	ug/l	---	260	380	ug/kg	J	10	490	ug/kg	J

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-257_3.5-8.5(20121030)				ASB-258_1-3(20121030)				ASB-258_6-7(20121030)			
		Lab Sample ID:	240170183				240170184				240170185			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2	ND	0.21	ug/l	---	ND	39	ug/kg	---				
	Aroclor-1221	11104-28-2	ND	0.21	ug/l	---	ND	39	ug/kg	---				
	Aroclor-1232	11141-16-5	ND	0.21	ug/l	---	ND	39	ug/kg	---				
	Aroclor-1242	53469-21-9	ND	0.21	ug/l	---	ND	39	ug/kg	---				
	Aroclor-1248	12672-29-6	ND	0.21	ug/l	---	ND	39	ug/kg	---				
	Aroclor-1254	11097-69-1	ND	0.21	ug/l	---	ND	39	ug/kg	---				
	Aroclor-1260	11096-82-5	ND	0.21	ug/l	---	ND	39	ug/kg	---				
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	0.14	0.11	mg/l	J	9.9	9.5	mg/kg	---	2.7	13	mg/kg	J
Metals														
	OSW-6010B													
	Arsenic	7440-38-2					30	0.93	mg/kg	---	3.9	1.4	mg/kg	---
	Arsenic - Dissolved	7440-38-2	ND	10	ug/l	---								
	Barium	7440-39-3					49	19	mg/kg	---	110	28	mg/kg	---
	Barium - Dissolved	7440-39-3	100	200	ug/l	J								
	Cadmium	7440-43-9					0.077	0.19	mg/kg	J	0.13	0.28	mg/kg	J
	Cadmium - Dissolved	7440-43-9	ND	5.0	ug/l	---								
	Chromium	7440-47-3					15	0.47	mg/kg	---	23	0.70	mg/kg	---
	Chromium - Dissolved	7440-47-3	ND	10	ug/l	---								
	Lead	7439-92-1					20	0.28	mg/kg	---	8.7	0.42	mg/kg	---
	Lead - Dissolved	7439-92-1	ND	3.0	ug/l	---								
	Selenium	7782-49-2					ND	0.47	mg/kg	---	0.87	0.70	mg/kg	---
	Selenium - Dissolved	7782-49-2	ND	5.0	ug/l	---								
	Silver	7440-22-4					ND	0.47	mg/kg	---	ND	0.70	mg/kg	---
	Silver - Dissolved	7440-22-4	ND	10	ug/l	---								
	OSW-7470A													
	Mercury - Dissolved	7439-97-6	ND	0.20	ug/l	---								
	OSW-7471A													
	Mercury	7439-97-6					0.046	0.12	mg/kg	J	0.049	0.15	mg/kg	J
General Chemistry														
	OSW-9045C													
	pH	E-10139												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-259_1-2(20121030)				ASB-259_4-6(20121030)				TB-001(20121030)			
		Lab Sample ID:	240170186				240170187				240170188			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC													
OSW-8260B													
1,1,1,2-Tetrachloroethane	630-20-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1,1-Trichloroethane	71-55-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1,2-Trichloroethane	79-00-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1-Dichloroethane	75-34-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1-Dichloroethene	75-35-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,1-Dichloropropene	563-58-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2,3-Trichlorobenzene	87-61-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2,3-Trichloropropane	96-18-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2,4-Trichlorobenzene	120-82-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2,4-Trimethylbenzene	95-63-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	2.0	ug/l	---
1,2-Dibromoethane	106-93-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2-Dichlorobenzene	95-50-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2-Dichloroethane	107-06-2	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,2-Dichloropropane	78-87-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,3,5-Trimethylbenzene	108-67-8	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,3-Dichlorobenzene	541-73-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,3-Dichloropropane	142-28-9	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
1,4-Dichlorobenzene	106-46-7	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
2,2-Dichloropropane	594-20-7	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
2-Butanone (MEK)	78-93-3	ND	1300	ug/kg	---	ND	1300	ug/kg	---	ND	10	ug/l	---
2-Chlorotoluene	95-49-8	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
2-Hexanone	591-78-6	ND	1300	ug/kg	---	ND	1300	ug/kg	---	ND	10	ug/l	---
4-Chlorotoluene	106-43-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1300	ug/kg	---	ND	1300	ug/kg	---	ND	5.0	ug/l	---
Acetone	67-64-1	ND	1300	ug/kg	---	ND	1300	ug/kg	---	2.8	10	ug/l	J
Allyl chloride	107-05-1	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	2.0	ug/l	---
Benzene	71-43-2	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Bromobenzene	108-86-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Bromochloromethane	74-97-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Bromodichloromethane	75-27-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Bromoform	75-25-2	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Bromomethane	74-83-9	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Carbon disulfide	75-15-0	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Carbon tetrachloride	56-23-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Chlorobenzene	108-90-7	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Chlorodibromomethane	124-48-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Chloroethane	75-00-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Chloroform	67-66-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Chloromethane	74-87-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
cis-1,3-Dichloropropene	10061-01-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Cyclohexane	110-82-7	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	1.0	ug/l	---
Dibromomethane	74-95-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Dichlorodifluoromethane	75-71-8	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Dichlorofluoromethane	75-43-4	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	1.0	ug/l	---
Ethyl ether	60-29-7	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	1.0	ug/l	---
Ethylbenzene	100-41-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Hexachlorobutadiene	87-68-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Isopropylbenzene	98-82-8	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
m-Xylene & p-Xylene	179601-23-1	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	2.0	ug/l	---
Methyl acetate	79-20-9	40	660	ug/kg	J	ND	670	ug/kg	---	ND	10	ug/l	---
Methyl tert butyl ether	1634-04-4	ND	1300	ug/kg	---	ND	1300	ug/kg	---	ND	2.0	ug/l	---
Methylcyclohexane	108-87-2	ND	660	ug/kg	---	ND	670	ug/kg	---	ND	1.0	ug/l	---
Methylene Chloride	75-09-2	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
n-Butylbenzene	104-51-8	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
N-Propylbenzene	103-65-1	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Naphthalene	91-20-3	16	330	ug/kg	J	ND	330	ug/kg	---	0.25	1.0	ug/l	UB
o-Xylene	95-47-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
p-Isopropyltoluene	99-87-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
sec-Butylbenzene	135-98-8	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Styrene	100-42-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
tert-Butylbenzene	98-06-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Tetrahydrofuran	109-99-9	ND	1300	ug/kg	---	ND	1300	ug/kg	---	ND	5.0	ug/l	---
Toluene	108-88-3	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
trans-1,3-Dichloropropene	10061-02-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Trichlorofluoromethane	75-69-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	330	ug/kg	---	ND	330	ug/kg	---	ND	1.0	ug/l	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-259_1-2(20121030)				ASB-259_4-6(20121030)				TB-001(20121030)			
		Lab Sample ID:	240170186				240170187				240170188			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC													
OSW-8270C													
1,1'-Biphenyl	92-52-4	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,2'-oxybis[1-chloropropane]	108-60-1	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,4,5-Trichlorophenol	95-95-4	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,4,6-Trichlorophenol	88-06-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,4-Dichlorophenol	120-83-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,4-Dimethylphenol	105-67-9	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,4-Dinitrophenol	51-28-5	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
2,4-Dinitrotoluene	121-14-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
2,6-Dinitrotoluene	606-20-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
2-Chloronaphthalene	91-58-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
2-Chlorophenol	95-57-8	ND	450	ug/kg	---	ND	400	ug/kg	---				
2-Methylnaphthalene	91-57-6	26	450	ug/kg	J	7.4	400	ug/kg	J				
2-Methylphenol	95-48-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
2-Nitroaniline	88-74-4	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
2-Nitrophenol	88-75-5	ND	450	ug/kg	---	ND	400	ug/kg	---				
3 & 4 Methylphenol	65794-96-9	ND	550	ug/kg	---	ND	480	ug/kg	---				
3,3'-Dichlorobenzidine	91-94-1	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
3-Nitroaniline	99-09-2	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
4,6-Dinitro-2-methylphenol	534-52-1	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
4-Bromophenyl phenyl ether	101-55-3	ND	450	ug/kg	---	ND	400	ug/kg	---				
4-Chloro-3-methylphenol	59-50-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
4-Chloroaniline	106-47-8	ND	450	ug/kg	---	ND	400	ug/kg	---				
4-Chlorophenyl phenyl ether	7005-72-3	ND	450	ug/kg	---	ND	400	ug/kg	---				
4-Nitroaniline	100-01-6	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
4-Nitrophenol	100-02-7	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
Acenaphthene	83-32-9	50	450	ug/kg	J	ND	400	ug/kg	---				
Acenaphthylene	208-96-8	8.8	450	ug/kg	J	ND	400	ug/kg	---				
Acetophenone	98-86-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
Anthracene	120-12-7	140	450	ug/kg	J	ND	400	ug/kg	---				
Atrazine	1912-24-9	ND	450	ug/kg	---	ND	400	ug/kg	---				
Benzaldehyde	100-52-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
Benzo[a]anthracene	56-55-3	270	450	ug/kg	J	6.1	400	ug/kg	J				
Benzo[a]pyrene	50-32-8	190	450	ug/kg	J	5.2	400	ug/kg	J				
Benzo[b]fluoranthene	205-99-2	230	450	ug/kg	J	5.4	400	ug/kg	J				
Benzo[g,h,i]perylene	191-24-2	100	450	ug/kg	J	ND	400	ug/kg	---				
Benzo[k]fluoranthene	207-08-9	120	450	ug/kg	J	ND	400	ug/kg	---				
Bis(2-chloroethoxy)methane	111-91-1	ND	450	ug/kg	---	ND	400	ug/kg	---				
Bis(2-chloroethyl)ether	111-44-4	ND	450	ug/kg	---	ND	400	ug/kg	---				
Bis(2-ethylhexyl) phthalate	117-81-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
Butyl benzyl phthalate	85-68-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
Caprolactam	105-60-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
Carbazole	86-74-8	41	450	ug/kg	J	ND	400	ug/kg	---				
Chrysene	218-01-9	250	450	ug/kg	J	7.9	400	ug/kg	J				
Di-n-butyl phthalate	84-74-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
Di-n-octyl phthalate	117-84-0	ND	450	ug/kg	---	ND	400	ug/kg	---				
Dibenz(a,h)anthracene	53-70-3	31	450	ug/kg	J	ND	400	ug/kg	---				
Dibenzofuran	132-64-9	22	450	ug/kg	J	ND	400	ug/kg	---				
Diethyl phthalate	84-66-2	35	450	ug/kg	J	ND	400	ug/kg	---				
Dimethyl phthalate	131-11-3	ND	450	ug/kg	---	ND	400	ug/kg	---				
Fluoranthene	206-44-0	560	450	ug/kg	---	10	400	ug/kg	J				
Fluorene	86-73-7	53	450	ug/kg	J	ND	400	ug/kg	---				
Hexachlorobenzene	118-74-1	ND	450	ug/kg	---	ND	400	ug/kg	---				
Hexachlorobutadiene	87-68-3	ND	450	ug/kg	---	ND	400	ug/kg	---				
Hexachlorocyclopentadiene	77-47-4	ND	2200	ug/kg	---	ND	1900	ug/kg	---				
Hexachloroethane	67-72-1	ND	450	ug/kg	---	ND	400	ug/kg	---				
Indeno[1,2,3-cd]pyrene	193-39-5	86	450	ug/kg	J	ND	400	ug/kg	---				
Isophorone	78-59-1	ND	450	ug/kg	---	ND	400	ug/kg	---				
N-Nitrosodi-n-propylamine	621-64-7	ND	450	ug/kg	---	ND	400	ug/kg	---				
N-Nitrosodiphenylamine	86-30-6	ND	450	ug/kg	---	ND	400	ug/kg	---				
Naphthalene	91-20-3	14	450	ug/kg	J	6.5	400	ug/kg	J				
Nitrobenzene	98-95-3	ND	450	ug/kg	---	ND	400	ug/kg	---				
Pentachlorophenol	87-86-5	ND	450	ug/kg	---	ND	400	ug/kg	---				
Phenanthrene	85-01-8	510	450	ug/kg	---	11	400	ug/kg	J				
Phenol	108-95-2	ND	450	ug/kg	---	ND	400	ug/kg	---				
Pyrene	129-00-0	440	450	ug/kg	J	9.5	400	ug/kg	J				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

		Sample Name:	ASB-259_1-2(20121030)				ASB-259_4-6(20121030)				TB-001(20121030)			
		Lab Sample ID:	240170186				240170187				240170188			
		Sample Date:	10/30/2012				10/30/2012				10/30/2012			
	Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
Pest & PCB														
	OSW-8082													
	Aroclor-1016	12674-11-2					ND	41	ug/kg	---				
	Aroclor-1221	11104-28-2					ND	41	ug/kg	---				
	Aroclor-1232	11141-16-5					ND	41	ug/kg	---				
	Aroclor-1242	53469-21-9					ND	41	ug/kg	---				
	Aroclor-1248	12672-29-6					ND	41	ug/kg	---				
	Aroclor-1254	11097-69-1					ND	41	ug/kg	---				
	Aroclor-1260	11096-82-5					ND	41	ug/kg	---				
GC Other														
	PUBL-SW-141													
	WI Diesel Range Organics (C10-C28)	E-1004	14	13	mg/kg	---	1.8	11	mg/kg	J				
Metals														
	OSW-6010B													
	Arsenic	7440-38-2	120	1.3	mg/kg	---	5.5	1.2	mg/kg	---				
	Arsenic - Dissolved	7440-38-2												
	Barium	7440-39-3	130	27	mg/kg	---	26	25	mg/kg	---				
	Barium - Dissolved	7440-39-3												
	Cadmium	7440-43-9	0.23	0.27	mg/kg	J	ND	0.25	mg/kg	---				
	Cadmium - Dissolved	7440-43-9												
	Chromium	7440-47-3	13	0.67	mg/kg	---	21	0.61	mg/kg	---				
	Chromium - Dissolved	7440-47-3												
	Lead	7439-92-1	12	0.40	mg/kg	---	3.5	0.37	mg/kg	---				
	Lead - Dissolved	7439-92-1												
	Selenium	7782-49-2	ND	0.67	mg/kg	---	ND	0.61	mg/kg	---				
	Selenium - Dissolved	7782-49-2												
	Silver	7440-22-4	ND	0.67	mg/kg	---	ND	0.61	mg/kg	---				
	Silver - Dissolved	7440-22-4												
	OSW-7470A													
	Mercury - Dissolved	7439-97-6												
	OSW-7471A													
	Mercury	7439-97-6	0.16	0.12	mg/kg	---	0.034	0.13	mg/kg	J				
General Chemistry														
	OSW-9045C													
	pH	E-10139												

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

Sample Name: MB-003(20121030)
Lab Sample ID: 240170189
Sample Date: 10/30/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC					
OSW-8260B					
1,1,1,2-Tetrachloroethane	630-20-6	ND	250	ug/kg	---
1,1,1-Trichloroethane	71-55-6	ND	250	ug/kg	---
1,1,2,2-Tetrachloroethane	79-34-5	ND	250	ug/kg	---
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	250	ug/kg	---
1,1,2-Trichloroethane	79-00-5	ND	250	ug/kg	---
1,1-Dichloroethane	75-34-3	ND	250	ug/kg	---
1,1-Dichloroethene	75-35-4	ND	250	ug/kg	---
1,1-Dichloropropene	563-58-6	ND	250	ug/kg	---
1,2,3-Trichlorobenzene	87-61-6	ND	250	ug/kg	---
1,2,3-Trichloropropane	96-18-4	ND	250	ug/kg	---
1,2,4-Trichlorobenzene	120-82-1	ND	250	ug/kg	---
1,2,4-Trimethylbenzene	95-63-6	ND	250	ug/kg	---
1,2-Dibromo-3-Chloropropane	96-12-8	ND	500	ug/kg	---
1,2-Dibromoethane	106-93-4	ND	250	ug/kg	---
1,2-Dichlorobenzene	95-50-1	ND	250	ug/kg	---
1,2-Dichloroethane	107-06-2	ND	250	ug/kg	---
1,2-Dichloropropane	78-87-5	ND	250	ug/kg	---
1,3,5-Trimethylbenzene	108-67-8	ND	250	ug/kg	---
1,3-Dichlorobenzene	541-73-1	ND	250	ug/kg	---
1,3-Dichloropropane	142-28-9	ND	250	ug/kg	---
1,4-Dichlorobenzene	106-46-7	ND	250	ug/kg	---
2,2-Dichloropropane	594-20-7	ND	250	ug/kg	---
2-Butanone (MEK)	78-93-3	ND	1000	ug/kg	---
2-Chlorotoluene	95-49-8	ND	250	ug/kg	---
2-Hexanone	591-78-6	ND	1000	ug/kg	---
4-Chlorotoluene	106-43-4	ND	250	ug/kg	---
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	1000	ug/kg	---
Acetone	67-64-1	ND	1000	ug/kg	---
Allyl chloride	107-05-1	ND	500	ug/kg	---
Benzene	71-43-2	ND	250	ug/kg	---
Bromobenzene	108-86-1	ND	250	ug/kg	---
Bromochloromethane	74-97-5	ND	250	ug/kg	---
Bromodichloromethane	75-27-4	ND	250	ug/kg	---
Bromoform	75-25-2	ND	250	ug/kg	---
Bromomethane	74-83-9	ND	250	ug/kg	---
Carbon disulfide	75-15-0	ND	250	ug/kg	---
Carbon tetrachloride	56-23-5	ND	250	ug/kg	---
Chlorobenzene	108-90-7	ND	250	ug/kg	---
Chlorodibromomethane	124-48-1	ND	250	ug/kg	---
Chloroethane	75-00-3	ND	250	ug/kg	---
Chloroform	67-66-3	ND	250	ug/kg	---
Chloromethane	74-87-3	ND	250	ug/kg	---
cis-1,2-Dichloroethene	156-59-2	ND	250	ug/kg	---
cis-1,3-Dichloropropene	10061-01-5	ND	250	ug/kg	---
Cyclohexane	110-82-7	ND	500	ug/kg	---
Dibromomethane	74-95-3	ND	250	ug/kg	---
Dichlorodifluoromethane	75-71-8	ND	250	ug/kg	---
Dichlorofluoromethane	75-43-4	ND	500	ug/kg	---
Ethyl ether	60-29-7	ND	500	ug/kg	---
Ethylbenzene	100-41-4	ND	250	ug/kg	---
Hexachlorobutadiene	87-68-3	ND	250	ug/kg	---
Isopropylbenzene	98-82-8	ND	250	ug/kg	---
m-Xylene & p-Xylene	179601-23-1	ND	500	ug/kg	---
Methyl acetate	79-20-9	ND	500	ug/kg	---
Methyl tert butyl ether	1634-04-4	ND	1000	ug/kg	---
Methylcyclohexane	108-87-2	ND	500	ug/kg	---
Methylene Chloride	75-09-2	ND	250	ug/kg	---
n-Butylbenzene	104-51-8	ND	250	ug/kg	---
N-Propylbenzene	103-65-1	ND	250	ug/kg	---
Naphthalene	91-20-3	ND	250	ug/kg	---
o-Xylene	95-47-6	ND	250	ug/kg	---
p-Isopropyltoluene	99-87-6	ND	250	ug/kg	---
sec-Butylbenzene	135-98-8	ND	250	ug/kg	---
Styrene	100-42-5	ND	250	ug/kg	---
tert-Butylbenzene	98-06-6	ND	250	ug/kg	---
Tetrachloroethene	127-18-4	ND	250	ug/kg	---
Tetrahydrofuran	109-99-9	ND	1000	ug/kg	---
Toluene	108-88-3	21	250	ug/kg	J
trans-1,2-Dichloroethene	156-60-5	ND	250	ug/kg	---
trans-1,3-Dichloropropene	10061-02-6	ND	250	ug/kg	---
Trichloroethene	79-01-6	ND	250	ug/kg	---
Trichlorofluoromethane	75-69-4	ND	250	ug/kg	---
Vinyl chloride	75-01-4	ND	250	ug/kg	---

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

Sample Name: MB-003(20121030)
Lab Sample ID: 240170189
Sample Date: 10/30/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
GC/MS SVOC					
OSW-8270C					
1,1'-Biphenyl	92-52-4				
2,2'-oxybis[1-chloropropane]	108-60-1				
2,4,5-Trichlorophenol	95-95-4				
2,4,6-Trichlorophenol	88-06-2				
2,4-Dichlorophenol	120-83-2				
2,4-Dimethylphenol	105-67-9				
2,4-Dinitrophenol	51-28-5				
2,4-Dinitrotoluene	121-14-2				
2,6-Dinitrotoluene	606-20-2				
2-Chloronaphthalene	91-58-7				
2-Chlorophenol	95-57-8				
2-Methylnaphthalene	91-57-6				
2-Methylphenol	95-48-7				
2-Nitroaniline	88-74-4				
2-Nitrophenol	88-75-5				
3 & 4 Methylphenol	65794-96-9				
3,3'-Dichlorobenzidine	91-94-1				
3-Nitroaniline	99-09-2				
4,6-Dinitro-2-methylphenol	534-52-1				
4-Bromophenyl phenyl ether	101-55-3				
4-Chloro-3-methylphenol	59-50-7				
4-Chloroaniline	106-47-8				
4-Chlorophenyl phenyl ether	7005-72-3				
4-Nitroaniline	100-01-6				
4-Nitrophenol	100-02-7				
Acenaphthene	83-32-9				
Acenaphthylene	208-96-8				
Acetophenone	98-86-2				
Anthracene	120-12-7				
Atrazine	1912-24-9				
Benzaldehyde	100-52-7				
Benzo[a]anthracene	56-55-3				
Benzo[a]pyrene	50-32-8				
Benzo[b]fluoranthene	205-99-2				
Benzo[g,h,i]perylene	191-24-2				
Benzo[k]fluoranthene	207-08-9				
Bis(2-chloroethoxy)methane	111-91-1				
Bis(2-chloroethyl)ether	111-44-4				
Bis(2-ethylhexyl) phthalate	117-81-7				
Butyl benzyl phthalate	85-68-7				
Caprolactam	105-60-2				
Carbazole	86-74-8				
Chrysene	218-01-9				
Di-n-butyl phthalate	84-74-2				
Di-n-octyl phthalate	117-84-0				
Dibenz(a,h)anthracene	53-70-3				
Dibenzofuran	132-64-9				
Diethyl phthalate	84-66-2				
Dimethyl phthalate	131-11-3				
Fluoranthene	206-44-0				
Fluorene	86-73-7				
Hexachlorobenzene	118-74-1				
Hexachlorobutadiene	87-68-3				
Hexachlorocyclopentadiene	77-47-4				
Hexachloroethane	67-72-1				
Indeno[1,2,3-cd]pyrene	193-39-5				
Isophorone	78-59-1				
N-Nitrosodi-n-propylamine	621-64-7				
N-Nitrosodiphenylamine	86-30-6				
Naphthalene	91-20-3				
Nitrobenzene	98-95-3				
Pentachlorophenol	87-86-5				
Phenanthrene	85-01-8				
Phenol	108-95-2				
Pyrene	129-00-0				

Analytical Results Summary

Enovis Project ID: E200572
Laboratory: TestAmerica - North Canton
Laboratory Submittal: 17018-1

Sample Name: MB-003(20121030)
Lab Sample ID: 240170189
Sample Date: 10/30/2012

Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier
Pest & PCB					
OSW-8082					
Aroclor-1016	12674-11-2				
Aroclor-1221	11104-28-2				
Aroclor-1232	11141-16-5				
Aroclor-1242	53469-21-9				
Aroclor-1248	12672-29-6				
Aroclor-1254	11097-69-1				
Aroclor-1260	11096-82-5				
GC Other					
PUBL-SW-141					
WI Diesel Range Organics (C10-C28)	E-1004				
Metals					
OSW-6010B					
Arsenic	7440-38-2				
Arsenic - Dissolved	7440-38-2				
Barium	7440-39-3				
Barium - Dissolved	7440-39-3				
Cadmium	7440-43-9				
Cadmium - Dissolved	7440-43-9				
Chromium	7440-47-3				
Chromium - Dissolved	7440-47-3				
Lead	7439-92-1				
Lead - Dissolved	7439-92-1				
Selenium	7782-49-2				
Selenium - Dissolved	7782-49-2				
Silver	7440-22-4				
Silver - Dissolved	7440-22-4				
OSW-7470A					
Mercury - Dissolved	7439-97-6				
OSW-7471A					
Mercury	7439-97-6				
General Chemistry					
OSW-9045C					
pH	E-10139				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3199-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/16/2011 4:32 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/16/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3199-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/24/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.3, 2.4, 2.8, 2.9 and 3.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3) and ASB-116_6-8(20110822) (240-3199-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/29/2011.

Naphthalene was detected in method blank MB 240-13470/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Tetrahydrofuran was detected in method blank MB 240-13470/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Tetrahydrofuran failed the recovery criteria high for LCS 240-13470/2-A.

Refer to the QC report for details.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13470 for these samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4).

Method(s) 8260B: The laboratory control sample for batch 13470 exceeded control limits for the following analyte: Tetrahydrofuran. Tetrahyfrofuran has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for this analyte. These results have been reported and qualified.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_2-4(20110823) (240-3199-5), ASB-117_0-2(20110823) (240-3199-6), ASB-118_5-7(20110823) (240-3199-7) and ASB-118_2-4(20110823) (240-3199-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 08/30/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for ASB-115_2-4(20110822) (240-3199-1). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for ASB-117_0-2(20110823) (240-3199-6). Refer to the QC report for details.

Dibenz(a,h)anthracene failed the recovery criteria low for the MSD of sample ASB-117_2-4(20110823)MSD (240-3199-5) in batch 240-13768.
Refer to the QC report for details.

Samples ASB-115_2-4(20110822) (240-3199-1)[5X] and ASB-117_0-2(20110823) (240-3199-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-115_2-4(20110822) (240-3199-1), ASB-117_0-2(20110823) (240-3199-6). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2) and ASB-116_4-6(20110822) (240-3199-3) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/02/2011.

Sample ASB-116_6-8(20110822) (240-3199-4) was rejected for analysis due to insufficient Methanol in container per method.

Method(s) Wisconsin GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13772 for these samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2) and ASB-116_4-6(20110822) (240-3199-3).

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_2-4(20110823) (240-3199-5), ASB-117_0-2(20110823) (240-3199-6), ASB-118_5-7(20110823) (240-3199-7) and ASB-118_2-4(20110823) (240-3199-8) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 08/29/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-3199-2 MS), (240-3199-2 MSD), ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_0-2(20110823) (240-3199-6), ASB-117_2-4(20110823) (240-3199-5), ASB-118_2-4(20110823) (240-3199-8), ASB-118_5-7(20110823) (240-3199-7).

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_2-4(20110823) (240-3199-5), ASB-117_0-2(20110823) (240-3199-6), ASB-118_5-7(20110823) (240-3199-7) and ASB-118_2-4(20110823) (240-3199-8) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 08/29/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for LCS 240-13352/18-A.

Refer to the QC report for details.

Method(s) WI-DRO: Samples reported with LCS failing low due to limited volume of samples. ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_0-2(20110823) (240-3199-6), ASB-117_2-4(20110823) (240-3199-5), ASB-118_2-4(20110823) (240-3199-8), ASB-118_5-7(20110823) (240-3199-7).

Method(s) Wisconsin DRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13352 for these samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_2-4(20110823) (240-3199-5), ASB-117_0-2(20110823) (240-3199-6), ASB-118_5-7(20110823) (240-3199-7) and ASB-118_2-4(20110823) (240-3199-8).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_2-4(20110823) (240-3199-5), ASB-117_0-2(20110823) (240-3199-6), ASB-118_5-7(20110823) (240-3199-7) and ASB-118_2-4(20110823) (240-3199-8) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 08/29/2011.

Barium was detected in method blank MB 240-13406/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3), ASB-116_6-8(20110822) (240-3199-4), ASB-117_2-4(20110823) (240-3199-5), ASB-117_0-2(20110823) (240-3199-6), ASB-118_5-7(20110823) (240-3199-7) and ASB-118_2-4(20110823) (240-3199-8) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 08/26/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-115_2-4(20110822) (240-3199-1), ASB-115_4-6(20110822) (240-3199-2), ASB-116_4-6(20110822) (240-3199-3) and ASB-116_6-8(20110822) (240-3199-4) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/25/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3199-1	**ASB-115_2-4(20110822)**					
1,2,4-Trimethylbenzene		24	J	270	ug/Kg	8260B
1,3,5-Trimethylbenzene		10	J	270	ug/Kg	8260B
Ethylbenzene		7.1	J	270	ug/Kg	8260B
Methyl acetate		69	J	540	ug/Kg	8260B
Methylcyclohexane		33	J	540	ug/Kg	8260B
m-Xylene & p-Xylene		60	J	540	ug/Kg	8260B
Naphthalene		16	J B	270	ug/Kg	8260B
o-Xylene		14	J	270	ug/Kg	8260B
Tetrahydrofuran		110	J B *	1100	ug/Kg	8260B
Anthracene		23	J	1900	ug/Kg	8270C
Benzo[a]anthracene		33	J	1900	ug/Kg	8270C
Benzo[b]fluoranthene		25	J	1900	ug/Kg	8270C
Chrysene		59	J	1900	ug/Kg	8270C
Fluoranthene		93	J	1900	ug/Kg	8270C
Phenanthrene		87	J	1900	ug/Kg	8270C
Pyrene		66	J	1900	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		2.8	J	12	mg/Kg	WI-GRO
Barium		51	B	22	mg/Kg	6010B
Chromium		16		0.56	mg/Kg	6010B
Arsenic		5.7		1.1	mg/Kg	6010B
Lead		5.5		0.34	mg/Kg	6010B
Selenium		0.55	J	0.56	mg/Kg	6010B
Mercury		0.023	J	0.11	mg/Kg	7471A
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3199-2	**ASB-115_4-6(20110822)**					
1,2,4-Trimethylbenzene		9.0	J	270	ug/Kg	8260B
Cyclohexane		50	J	540	ug/Kg	8260B
Methyl acetate		95	J	540	ug/Kg	8260B
Methylcyclohexane		32	J	540	ug/Kg	8260B
m-Xylene & p-Xylene		22	J	540	ug/Kg	8260B
Tetrahydrofuran		110	J B *	1100	ug/Kg	8260B
Chrysene		14	J	410	ug/Kg	8270C
Fluoranthene		31	J	410	ug/Kg	8270C
Phenanthrene		29	J	410	ug/Kg	8270C
Pyrene		23	J	410	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		12		12	mg/Kg	WI-GRO
Barium		54	B	24	mg/Kg	6010B
Chromium		18		0.59	mg/Kg	6010B
Silver		0.27	J	0.59	mg/Kg	6010B
Arsenic		3.5		1.2	mg/Kg	6010B
Lead		5.5		0.35	mg/Kg	6010B
Selenium		0.69		0.59	mg/Kg	6010B
Mercury		0.022	J	0.096	mg/Kg	7471A
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-3199-3	**ASB-116_4-6(20110822)**					
1,2-Dichloroethane		12	J	250	ug/Kg	8260B
Cyclohexane		55	J	490	ug/Kg	8260B
Ethylbenzene		12	J	250	ug/Kg	8260B
Methyl acetate		94	J	490	ug/Kg	8260B
Methylcyclohexane		35	J	490	ug/Kg	8260B
m-Xylene & p-Xylene		10	J	490	ug/Kg	8260B
Naphthalene		11	J B	250	ug/Kg	8260B
n-Butylbenzene		11	J	250	ug/Kg	8260B
N-Propylbenzene		24	J	250	ug/Kg	8260B
Tetrahydrofuran		98	J B *	990	ug/Kg	8260B
2-Methylnaphthalene		15	J	380	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		7.1	J	11	mg/Kg	WI-GRO
Barium		61	B	22	mg/Kg	6010B
Cadmium		0.097	J	0.22	mg/Kg	6010B
Chromium		14		0.56	mg/Kg	6010B
Arsenic		4.4		1.1	mg/Kg	6010B
Lead		4.2		0.34	mg/Kg	6010B
Mercury		0.014	J	0.079	mg/Kg	7471A
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3199-4	**ASB-116_6-8(20110822)**					
Methylene Chloride		120	J	350	ug/Kg	8260B
Tetrahydrofuran		150	J B *	1400	ug/Kg	8260B
Barium		25	B	23	mg/Kg	6010B
Chromium		17		0.57	mg/Kg	6010B
Arsenic		3.5		1.1	mg/Kg	6010B
Lead		5.6		0.34	mg/Kg	6010B
Mercury		0.024	J	0.085	mg/Kg	7471A
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-3199-5	**ASB-117_2-4(20110823)**					
Fluoranthene		8.9	J	400	ug/Kg	8270C
Pyrene		6.9	J	400	ug/Kg	8270C
Barium		64	B	22	mg/Kg	6010B
Cadmium		0.079	J	0.22	mg/Kg	6010B
Chromium		13		0.55	mg/Kg	6010B
Arsenic		2.5		1.1	mg/Kg	6010B
Lead		6.6		0.33	mg/Kg	6010B
Selenium		0.84		0.55	mg/Kg	6010B
Mercury		0.022	J	0.080	mg/Kg	7471A
240-3199-6	**ASB-117_0-2(20110823)**					
2-Methylnaphthalene		65	J	1800	ug/Kg	8270C
Acenaphthylene		24	J	1800	ug/Kg	8270C
Anthracene		30	J	1800	ug/Kg	8270C
Benzo[a]anthracene		70	J	1800	ug/Kg	8270C
Benzo[a]pyrene		63	J	1800	ug/Kg	8270C
Benzo[b]fluoranthene		92	J	1800	ug/Kg	8270C
Benzo[k]fluoranthene		50	J	1800	ug/Kg	8270C
Chrysene		98	J	1800	ug/Kg	8270C
Fluoranthene		150	J	1800	ug/Kg	8270C
Naphthalene		25	J	1800	ug/Kg	8270C
Phenanthrene		83	J	1800	ug/Kg	8270C
Pyrene		110	J	1800	ug/Kg	8270C
Barium		35	B	21	mg/Kg	6010B
Cadmium		0.10	J	0.21	mg/Kg	6010B
Chromium		15		0.52	mg/Kg	6010B
Arsenic		4.1		1.0	mg/Kg	6010B
Lead		7.1		0.31	mg/Kg	6010B
Selenium		0.74		0.52	mg/Kg	6010B
Mercury		0.030	J	0.11	mg/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3199-7	**ASB-118_5-7(20110823)**					
Benzo[a]anthracene		8.6	J	400	ug/Kg	8270C
Benzo[a]pyrene		9.3	J	400	ug/Kg	8270C
Benzo[b]fluoranthene		12	J	400	ug/Kg	8270C
Benzo[k]fluoranthene		6.8	J	400	ug/Kg	8270C
Chrysene		12	J	400	ug/Kg	8270C
Fluoranthene		18	J	400	ug/Kg	8270C
Phenanthrene		9.3	J	400	ug/Kg	8270C
Pyrene		15	J	400	ug/Kg	8270C
Barium		78	B	23	mg/Kg	6010B
Chromium		15		0.57	mg/Kg	6010B
Arsenic		4.0		1.1	mg/Kg	6010B
Lead		11		0.34	mg/Kg	6010B
Selenium		2.2		0.57	mg/Kg	6010B
Mercury		0.019	J	0.092	mg/Kg	7471A
240-3199-8	**ASB-118_2-4(20110823)**					
Barium		69	B	22	mg/Kg	6010B
Cadmium		0.039	J	0.22	mg/Kg	6010B
Chromium		17		0.55	mg/Kg	6010B
Arsenic		3.8		1.1	mg/Kg	6010B
Lead		5.3		0.33	mg/Kg	6010B
Mercury		0.023	J	0.099	mg/Kg	7471A

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3199-1	ASB-115_2-4(20110822)	Solid	08/22/2011 1255	08/24/2011 0930
240-3199-2	ASB-115_4-6(20110822)	Solid	08/22/2011 1330	08/24/2011 0930
240-3199-3	ASB-116_4-6(20110822)	Solid	08/22/2011 1630	08/24/2011 0930
240-3199-4	ASB-116_6-8(20110822)	Solid	08/22/2011 1650	08/24/2011 0930
240-3199-5	ASB-117_2-4(20110823)	Solid	08/23/2011 0900	08/24/2011 0930
240-3199-6	ASB-117_0-2(20110823)	Solid	08/23/2011 0915	08/24/2011 0930
240-3199-7	ASB-118_5-7(20110823)	Solid	08/23/2011 1315	08/24/2011 0930
240-3199-8	ASB-118_2-4(20110823)	Solid	08/23/2011 1345	08/24/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140474.D
Dilution:	1.0			Initial Weight/Volume:	27.21 g
Analysis Date:	08/29/2011 1410			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.9	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.9	270
1,2,4-Trimethylbenzene		24	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.3	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.9	270
1,3,5-Trimethylbenzene		10	J	6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.8	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.5	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140474.D
Dilution:	1.0			Initial Weight/Volume:	27.21 g
Analysis Date:	08/29/2011 1410			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		7.1	J	5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		69	J	27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		33	J	13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		60	J	6.7	540
Naphthalene		16	J B	7.3	270
n-Butylbenzene		ND		8.7	270
N-Propylbenzene		ND		15	270
o-Xylene		14	J	9.2	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		110	J B *	53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140475.D
Dilution:	1.0			Initial Weight/Volume:	28.62 g
Analysis Date:	08/29/2011 1431			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.9	270
1,2,4-Trimethylbenzene		9.0	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.3	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.8	270
1,3,5-Trimethylbenzene		ND		6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.6	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.7	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.5	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.4	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		50	J	43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140475.D
Dilution:	1.0			Initial Weight/Volume:	28.62 g
Analysis Date:	08/29/2011 1431			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		95	J	27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		32	J	13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		22	J	6.7	540
Naphthalene		ND		7.2	270
n-Butylbenzene		ND		8.6	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.2	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		110	J B *	53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.9	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	78		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140476.D
Dilution:	1.0			Initial Weight/Volume:	28.93 g
Analysis Date:	08/29/2011 1453			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.0	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.8	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		9.9	250
1,2,3-Trichlorobenzene		ND		9.9	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.2	250
1,2,4-Trimethylbenzene		ND		4.9	250
1,2-Dibromo-3-Chloropropane		ND		49	490
1,2-Dibromoethane		ND		9.9	250
1,2-Dichlorobenzene		ND		8.5	250
1,2-Dichloroethane		12	J	9.9	250
1,2-Dichloropropane		ND		8.1	250
1,3,5-Trimethylbenzene		ND		5.7	250
1,3-Dichlorobenzene		ND		4.7	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		7.9	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		42	990
2-Chlorotoluene		ND		8.9	250
2-Hexanone		ND		20	990
Allyl chloride		ND		52	490
4-Chlorotoluene		ND		9.8	250
4-Methyl-2-pentanone (MIBK)		ND		47	990
Acetone		ND		170	990
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.8	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.3	250
Chlorobenzene		ND		6.3	250
Chloroethane		ND		60	250
Chloroform		ND		8.7	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.8	250
cis-1,3-Dichloropropene		ND		7.8	250
Cyclohexane		55	J	39	490
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140476.D
Dilution:	1.0			Initial Weight/Volume:	28.93 g
Analysis Date:	08/29/2011 1453			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	490
Ethyl ether		ND		15	490
Ethylbenzene		12	J	5.3	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.4	250
Methyl acetate		94	J	25	490
Methyl tert butyl ether		ND		7.0	990
Methylcyclohexane		35	J	12	490
Methylene Chloride		ND		76	250
m-Xylene & p-Xylene		10	J	6.1	490
Naphthalene		11	J B	6.6	250
n-Butylbenzene		11	J	7.9	250
N-Propylbenzene		24	J	14	250
o-Xylene		ND		8.4	250
p-Isopropyltoluene		ND		4.7	250
sec-Butylbenzene		ND		4.6	250
Styrene		ND		5.5	250
tert-Butylbenzene		ND		6.4	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		98	J B *	48	990
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.1	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.6	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		39 - 128
4-Bromofluorobenzene (Surr)	80		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	80		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650
Client Matrix: Solid % Moisture: 15.0 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140477.D
Dilution:	1.0			Initial Weight/Volume:	21.24 g
Analysis Date:	08/29/2011 1514			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		13	350
1,1,1-Trichloroethane		ND		29	350
1,1,2,2-Tetrachloroethane		ND		12	350
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		54	350
1,1,2-Trichloroethane		ND		17	350
1,1-Dichloroethane		ND		24	350
1,1-Dichloroethene		ND		25	350
1,1-Dichloropropene		ND		14	350
1,2,3-Trichlorobenzene		ND		14	350
1,2,3-Trichloropropane		ND		29	350
1,2,4-Trichlorobenzene		ND		10	350
1,2,4-Trimethylbenzene		ND		6.9	350
1,2-Dibromo-3-Chloropropane		ND		69	690
1,2-Dibromoethane		ND		14	350
1,2-Dichlorobenzene		ND		12	350
1,2-Dichloroethane		ND		14	350
1,2-Dichloropropane		ND		11	350
1,3,5-Trimethylbenzene		ND		8.0	350
1,3-Dichlorobenzene		ND		6.6	350
1,3-Dichloropropane		ND		30	350
1,4-Dichlorobenzene		ND		11	350
2,2-Dichloropropane		ND		32	350
2-Butanone (MEK)		ND		60	1400
2-Chlorotoluene		ND		12	350
2-Hexanone		ND		28	1400
Allyl chloride		ND		73	690
4-Chlorotoluene		ND		14	350
4-Methyl-2-pentanone (MIBK)		ND		66	1400
Acetone		ND		240	1400
Benzene		ND		17	350
Bromobenzene		ND		18	350
Bromochloromethane		ND		18	350
Bromodichloromethane		ND		14	350
Bromoform		ND		26	350
Bromomethane		ND		40	350
Carbon disulfide		ND		17	350
Carbon tetrachloride		ND		8.9	350
Chlorobenzene		ND		8.9	350
Chloroethane		ND		84	350
Chloroform		ND		12	350
Chloromethane		ND		19	350
cis-1,2-Dichloroethene		ND		9.6	350
cis-1,3-Dichloropropene		ND		11	350
Cyclohexane		ND		55	690
Chlorodibromomethane		ND		17	350
Dibromomethane		ND		19	350

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650
Client Matrix: Solid % Moisture: 15.0 Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140477.D
Dilution:	1.0			Initial Weight/Volume:	21.24 g
Analysis Date:	08/29/2011 1514			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		22	350
Dichlorofluoromethane		ND		35	690
Ethyl ether		ND		21	690
Ethylbenzene		ND		7.5	350
Hexachlorobutadiene		ND		19	350
Isopropylbenzene		ND		9.0	350
Methyl acetate		ND		35	690
Methyl tert butyl ether		ND		9.8	1400
Methylcyclohexane		ND		17	690
Methylene Chloride		120	J	110	350
m-Xylene & p-Xylene		ND		8.6	690
Naphthalene		ND		9.3	350
n-Butylbenzene		ND		11	350
N-Propylbenzene		ND		19	350
o-Xylene		ND		12	350
p-Isopropyltoluene		ND		6.6	350
sec-Butylbenzene		ND		6.5	350
Styrene		ND		7.8	350
tert-Butylbenzene		ND		9.0	350
Tetrachloroethene		ND		17	350
Tetrahydrofuran		150	J B *	68	1400
Toluene		ND		24	350
trans-1,2-Dichloroethene		ND		13	350
trans-1,3-Dichloropropene		ND		28	350
Trichloroethene		ND		13	350
Trichlorofluoromethane		ND		22	350
Vinyl chloride		ND		25	350

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		39 - 128
4-Bromofluorobenzene (Surr)	102		26 - 141
Dibromofluoromethane (Surr)	90		30 - 122
Toluene-d8 (Surr)	101		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830031.D
Dilution:	5.0			Initial Weight/Volume:	30.04 g
Analysis Date:	08/30/2011 1951			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		19	1900
Acenaphthene		ND		19	1900
Acenaphthylene		ND		19	1900
Anthracene		23	J	19	1900
Benzo[a]anthracene		33	J	19	1900
Benzo[a]pyrene		ND		19	1900
Benzo[b]fluoranthene		25	J	19	1900
Benzo[g,h,i]perylene		ND		19	1900
Benzo[k]fluoranthene		ND		19	1900
Chrysene		59	J	6.5	1900
Dibenz(a,h)anthracene		ND		19	1900
Fluoranthene		93	J	19	1900
Fluorene		ND		19	1900
Indeno[1,2,3-cd]pyrene		ND		19	1900
Naphthalene		ND		19	1900
Phenanthrene		87	J	19	1900
Pyrene		66	J	19	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	0	X	10 - 118
2-Fluorobiphenyl (Surr)	68		34 - 110
2-Fluorophenol (Surr)	77		26 - 110
Nitrobenzene-d5 (Surr)	62		24 - 112
Phenol-d5 (Surr)	64		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830013.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	08/30/2011 1451			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.1	410
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Anthracene		ND		4.1	410
Benzo[a]anthracene		ND		4.1	410
Benzo[a]pyrene		ND		4.1	410
Benzo[b]fluoranthene		ND		4.1	410
Benzo[g,h,i]perylene		ND		4.1	410
Benzo[k]fluoranthene		ND		4.1	410
Chrysene		14	J	1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Fluoranthene		31	J	4.1	410
Fluorene		ND		4.1	410
Indeno[1,2,3-cd]pyrene		ND		4.1	410
Naphthalene		ND		4.1	410
Phenanthrene		29	J	4.1	410
Pyrene		23	J	4.1	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	45		10 - 118
2-Fluorobiphenyl (Surr)	56		34 - 110
2-Fluorophenol (Surr)	57		26 - 110
Nitrobenzene-d5 (Surr)	50		24 - 112
Phenol-d5 (Surr)	54		28 - 110
Terphenyl-d14 (Surr)	66		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830014.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	08/30/2011 1508			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		15	J	3.8	380
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Anthracene		ND		3.8	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Naphthalene		ND		3.8	380
Phenanthrene		ND		3.8	380
Pyrene		ND		3.8	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	50		10 - 118
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	50		26 - 110
Nitrobenzene-d5 (Surr)	47		24 - 112
Phenol-d5 (Surr)	47		28 - 110
Terphenyl-d14 (Surr)	63		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650
Client Matrix: Solid % Moisture: 15.0 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830015.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	08/30/2011 1525			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.9	390
Acenaphthene		ND		3.9	390
Acenaphthylene		ND		3.9	390
Anthracene		ND		3.9	390
Benzo[a]anthracene		ND		3.9	390
Benzo[a]pyrene		ND		3.9	390
Benzo[b]fluoranthene		ND		3.9	390
Benzo[g,h,i]perylene		ND		3.9	390
Benzo[k]fluoranthene		ND		3.9	390
Chrysene		ND		1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Fluoranthene		ND		3.9	390
Fluorene		ND		3.9	390
Indeno[1,2,3-cd]pyrene		ND		3.9	390
Naphthalene		ND		3.9	390
Phenanthrene		ND		3.9	390
Pyrene		ND		3.9	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	29		10 - 118
2-Fluorobiphenyl (Surr)	44		34 - 110
2-Fluorophenol (Surr)	51		26 - 110
Nitrobenzene-d5 (Surr)	45		24 - 112
Phenol-d5 (Surr)	45		28 - 110
Terphenyl-d14 (Surr)	63		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_2-4(20110823)**

Lab Sample ID: 240-3199-5 Date Sampled: 08/23/2011 0900
Client Matrix: Solid % Moisture: 18.1 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830016.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	08/30/2011 1541			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.0	400
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Anthracene		ND		4.0	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Fluoranthene		8.9	J	4.0	400
Fluorene		ND		4.0	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Naphthalene		ND		4.0	400
Phenanthrene		ND		4.0	400
Pyrene		6.9	J	4.0	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43		10 - 118
2-Fluorobiphenyl (Surr)	47		34 - 110
2-Fluorophenol (Surr)	52		26 - 110
Nitrobenzene-d5 (Surr)	46		24 - 112
Phenol-d5 (Surr)	49		28 - 110
Terphenyl-d14 (Surr)	64		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_0-2(20110823)**

Lab Sample ID: 240-3199-6 Date Sampled: 08/23/2011 0915
Client Matrix: Solid % Moisture: 10.1 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830030.D
Dilution:	5.0			Initial Weight/Volume:	30.00 g
Analysis Date:	08/30/2011 1935			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		65	J	18	1800
Acenaphthene		ND		18	1800
Acenaphthylene		24	J	18	1800
Anthracene		30	J	18	1800
Benzo[a]anthracene		70	J	18	1800
Benzo[a]pyrene		63	J	18	1800
Benzo[b]fluoranthene		92	J	18	1800
Benzo[g,h,i]perylene		ND		18	1800
Benzo[k]fluoranthene		50	J	18	1800
Chrysene		98	J	6.1	1800
Dibenz(a,h)anthracene		ND		18	1800
Fluoranthene		150	J	18	1800
Fluorene		ND		18	1800
Indeno[1,2,3-cd]pyrene		ND		18	1800
Naphthalene		25	J	18	1800
Phenanthrene		83	J	18	1800
Pyrene		110	J	18	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	0	X	10 - 118
2-Fluorobiphenyl (Surr)	54		34 - 110
2-Fluorophenol (Surr)	57		26 - 110
Nitrobenzene-d5 (Surr)	44		24 - 112
Phenol-d5 (Surr)	49		28 - 110
Terphenyl-d14 (Surr)	65		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_5-7(20110823)**

Lab Sample ID: 240-3199-7 Date Sampled: 08/23/2011 1315
Client Matrix: Solid % Moisture: 17.4 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830019.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	08/30/2011 1632			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.0	400
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Anthracene		ND		4.0	400
Benzo[a]anthracene		8.6	J	4.0	400
Benzo[a]pyrene		9.3	J	4.0	400
Benzo[b]fluoranthene		12	J	4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		6.8	J	4.0	400
Chrysene		12	J	1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Fluoranthene		18	J	4.0	400
Fluorene		ND		4.0	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Naphthalene		ND		4.0	400
Phenanthrene		9.3	J	4.0	400
Pyrene		15	J	4.0	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	36		10 - 118
2-Fluorobiphenyl (Surr)	49		34 - 110
2-Fluorophenol (Surr)	55		26 - 110
Nitrobenzene-d5 (Surr)	46		24 - 112
Phenol-d5 (Surr)	50		28 - 110
Terphenyl-d14 (Surr)	66		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_2-4(20110823)**

Lab Sample ID: 240-3199-8 Date Sampled: 08/23/2011 1345
Client Matrix: Solid % Moisture: 13.6 Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830020.D
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Analysis Date:	08/30/2011 1648			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.8	380
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Anthracene		ND		3.8	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Naphthalene		ND		3.8	380
Phenanthrene		ND		3.8	380
Pyrene		ND		3.8	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	47		10 - 118
2-Fluorobiphenyl (Surr)	57		34 - 110
2-Fluorophenol (Surr)	64		26 - 110
Nitrobenzene-d5 (Surr)	57		24 - 112
Phenol-d5 (Surr)	61		28 - 110
Terphenyl-d14 (Surr)	74		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090218.D
Dilution:	1.0			Initial Weight/Volume:	27.98 g
Analysis Date:	09/02/2011 2030			Final Weight/Volume:	28.0 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		2.8	J	0.38	12

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090219.D
Dilution:	1.0			Initial Weight/Volume:	26.36 g
Analysis Date:	09/02/2011 2111			Final Weight/Volume:	26.4 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		12		0.40	12

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090220.D
Dilution:	1.0			Initial Weight/Volume:	27.44 g
Analysis Date:	09/02/2011 2150			Final Weight/Volume:	27.4 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		7.1	J	0.37	11

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1425			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		17	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		29 - 151
DCB Decachlorobiphenyl	85		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1440			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		17	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		29 - 151
DCB Decachlorobiphenyl	76		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1524			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		19	38
Aroclor-1254		ND		19	38
Aroclor-1260		ND		19	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		29 - 151
DCB Decachlorobiphenyl	92		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650
Client Matrix: Solid % Moisture: 15.0 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1539			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		16	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		29 - 151
DCB Decachlorobiphenyl	85		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_2-4(20110823)**

Lab Sample ID: 240-3199-5 Date Sampled: 08/23/2011 0900
Client Matrix: Solid % Moisture: 18.1 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1553			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	40
Aroclor-1221		ND		20	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		21	40
Aroclor-1254		ND		21	40
Aroclor-1260		ND		21	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		29 - 151
DCB Decachlorobiphenyl	86		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_0-2(20110823)**

Lab Sample ID: 240-3199-6 Date Sampled: 08/23/2011 0915
Client Matrix: Solid % Moisture: 10.1 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1607			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		14	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		29 - 151
DCB Decachlorobiphenyl	72		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_5-7(20110823)**

Lab Sample ID: 240-3199-7 Date Sampled: 08/23/2011 1315
Client Matrix: Solid % Moisture: 17.4 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1622			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		21	40
Aroclor-1254		ND		21	40
Aroclor-1260		ND		21	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		29 - 151
DCB Decachlorobiphenyl	86		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_2-4(20110823)**

Lab Sample ID: 240-3199-8 Date Sampled: 08/23/2011 1345
Client Matrix: Solid % Moisture: 13.6 Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-13365	Initial Weight/Volume:	30.08 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2011 1637			Injection Volume:	1 mL
Prep Date:	08/26/2011 0828			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		20	38
Aroclor-1254		ND		20	38
Aroclor-1260		ND		20	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000008.D
Dilution:	1.0			Initial Weight/Volume:	26.46 g
Analysis Date:	08/29/2011 1612			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000009.D
Dilution:	1.0			Initial Weight/Volume:	27.71 g
Analysis Date:	08/29/2011 1636			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000010.D
Dilution:	1.0			Initial Weight/Volume:	31.15 g
Analysis Date:	08/29/2011 1700			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.1	8.8

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650
Client Matrix: Solid % Moisture: 15.0 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000011.D
Dilution:	1.0			Initial Weight/Volume:	28.49 g
Analysis Date:	08/29/2011 1724			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.2	9.9

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_2-4(20110823)**

Lab Sample ID: 240-3199-5 Date Sampled: 08/23/2011 0900
Client Matrix: Solid % Moisture: 18.1 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000012.D
Dilution:	1.0			Initial Weight/Volume:	28.60 g
Analysis Date:	08/29/2011 1748			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_0-2(20110823)**

Lab Sample ID: 240-3199-6 Date Sampled: 08/23/2011 0915
Client Matrix: Solid % Moisture: 10.1 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000013.D
Dilution:	1.0			Initial Weight/Volume:	28.11 g
Analysis Date:	08/29/2011 1813			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_5-7(20110823)**

Lab Sample ID: 240-3199-7 Date Sampled: 08/23/2011 1315
Client Matrix: Solid % Moisture: 17.4 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000014.D
Dilution:	1.0			Initial Weight/Volume:	29.20 g
Analysis Date:	08/29/2011 1837			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.2	10

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_2-4(20110823)**

Lab Sample ID: 240-3199-8 Date Sampled: 08/23/2011 1345
Client Matrix: Solid % Moisture: 13.6 Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000015.D
Dilution:	1.0			Initial Weight/Volume:	29.10 g
Analysis Date:	08/29/2011 1901			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255
Client Matrix: Solid % Moisture: 15.2 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	08/29/2011 0824			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		51	B	0.080	22
Cadmium		ND		0.040	0.22
Chromium		16		0.22	0.56
Silver		ND		0.11	0.56
Arsenic		5.7		0.34	1.1
Lead		5.5		0.21	0.34
Selenium		0.55	J	0.51	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	08/26/2011 1524			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	08/29/2011 0819			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		54	B	0.083	24
Cadmium		ND		0.042	0.24
Chromium		18		0.24	0.59
Silver		0.27	J	0.12	0.59
Arsenic		3.5		0.35	1.2
Lead		5.5		0.22	0.35
Selenium		0.69		0.53	0.59

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.77 g
Analysis Date:	08/26/2011 1523			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	J	0.014	0.096

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630
Client Matrix: Solid % Moisture: 12.5 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	08/29/2011 0813			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		61	B	0.080	22
Cadmium		0.097	J	0.040	0.22
Chromium		14		0.22	0.56
Silver		ND		0.11	0.56
Arsenic		4.4		0.34	1.1
Lead		4.2		0.21	0.34
Selenium		ND		0.50	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.87 g
Analysis Date:	08/26/2011 1522			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	J	0.012	0.079

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650
Client Matrix: Solid % Moisture: 15.0 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/29/2011 0858			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		25	B	0.080	23
Cadmium		ND		0.041	0.23
Chromium		17		0.23	0.57
Silver		ND		0.11	0.57
Arsenic		3.5		0.34	1.1
Lead		5.6		0.21	0.34
Selenium		ND		0.51	0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.83 g
Analysis Date:	08/26/2011 1529			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	J	0.013	0.085

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_2-4(20110823)**

Lab Sample ID: 240-3199-5 Date Sampled: 08/23/2011 0900
Client Matrix: Solid % Moisture: 18.1 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	08/29/2011 0830			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		64	B	0.079	22
Cadmium		0.079	J	0.040	0.22
Chromium		13		0.22	0.55
Silver		ND		0.11	0.55
Arsenic		2.5		0.33	1.1
Lead		6.6		0.21	0.33
Selenium		0.84		0.50	0.55

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.92 g
Analysis Date:	08/26/2011 1525			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	J	0.012	0.080

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-117_0-2(20110823)**

Lab Sample ID: 240-3199-6 Date Sampled: 08/23/2011 0915
Client Matrix: Solid % Moisture: 10.1 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	08/29/2011 0750			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		35	B	0.074	21
Cadmium		0.10	J	0.037	0.21
Chromium		15		0.21	0.52
Silver		ND		0.10	0.52
Arsenic		4.1		0.31	1.0
Lead		7.1		0.20	0.31
Selenium		0.74		0.47	0.52

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/26/2011 1518			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.030	J	0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_5-7(20110823)**

Lab Sample ID: 240-3199-7 Date Sampled: 08/23/2011 1315
Client Matrix: Solid % Moisture: 17.4 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	08/29/2011 0847			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		78	B	0.080	23
Cadmium		ND		0.041	0.23
Chromium		15		0.23	0.57
Silver		ND		0.11	0.57
Arsenic		4.0		0.34	1.1
Lead		11		0.22	0.34
Selenium		2.2		0.51	0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.79 g
Analysis Date:	08/26/2011 1527			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.014	0.092

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Client Sample ID: **ASB-118_2-4(20110823)**

Lab Sample ID: 240-3199-8 Date Sampled: 08/23/2011 1345
Client Matrix: Solid % Moisture: 13.6 Date Received: 08/24/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	08/29/2011 0853			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		69	B	0.077	22
Cadmium		0.039	J	0.039	0.22
Chromium		17		0.22	0.55
Silver		ND		0.11	0.55
Arsenic		3.8		0.33	1.1
Lead		5.3		0.21	0.33
Selenium		ND		0.49	0.55

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13569	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.70 g
Analysis Date:	08/26/2011 1528			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.015	0.099

General Chemistry

Client Sample ID: **ASB-115_2-4(20110822)**

Lab Sample ID: 240-3199-1 Date Sampled: 08/22/2011 1255

Client Matrix: Solid Date Received: 08/24/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-115_4-6(20110822)**

Lab Sample ID: 240-3199-2 Date Sampled: 08/22/2011 1330

Client Matrix: Solid Date Received: 08/24/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-116_4-6(20110822)**

Lab Sample ID: 240-3199-3 Date Sampled: 08/22/2011 1630

Client Matrix: Solid Date Received: 08/24/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-116_6-8(20110822)**

Lab Sample ID: 240-3199-4 Date Sampled: 08/22/2011 1650

Client Matrix: Solid Date Received: 08/24/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1653						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1653						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-13470					
LCS 240-13470/2-A	Lab Control Sample	T	Solid	5035	
MB 240-13470/1-A	Method Blank	T	Solid	5035	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	5035	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	5035	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	5035	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	5035	
Analysis Batch:240-13567					
LCS 240-13470/2-A	Lab Control Sample	T	Solid	8260B	240-13470
MB 240-13470/1-A	Method Blank	T	Solid	8260B	240-13470
240-3199-1	ASB-115_2-4(20110822)	T	Solid	8260B	240-13470
240-3199-2	ASB-115_4-6(20110822)	T	Solid	8260B	240-13470
240-3199-3	ASB-116_4-6(20110822)	T	Solid	8260B	240-13470
240-3199-4	ASB-116_6-8(20110822)	T	Solid	8260B	240-13470

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-13389					
LCS 240-13389/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-13389/21-A	Method Blank	T	Solid	3540C	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	3540C	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	3540C	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	3540C	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	3540C	
240-3199-5	ASB-117_2-4(20110823)	T	Solid	3540C	
240-3199-5MS	Matrix Spike	T	Solid	3540C	
240-3199-5MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3199-6	ASB-117_0-2(20110823)	T	Solid	3540C	
240-3199-7	ASB-118_5-7(20110823)	T	Solid	3540C	
240-3199-8	ASB-118_2-4(20110823)	T	Solid	3540C	
Analysis Batch:240-13768					
LCS 240-13389/22-A	Lab Control Sample	T	Solid	8270C	240-13389
MB 240-13389/21-A	Method Blank	T	Solid	8270C	240-13389
240-3199-1	ASB-115_2-4(20110822)	T	Solid	8270C	240-13389
240-3199-2	ASB-115_4-6(20110822)	T	Solid	8270C	240-13389
240-3199-3	ASB-116_4-6(20110822)	T	Solid	8270C	240-13389
240-3199-4	ASB-116_6-8(20110822)	T	Solid	8270C	240-13389
240-3199-5	ASB-117_2-4(20110823)	T	Solid	8270C	240-13389
240-3199-5MS	Matrix Spike	T	Solid	8270C	240-13389
240-3199-5MSD	Matrix Spike Duplicate	T	Solid	8270C	240-13389
240-3199-6	ASB-117_0-2(20110823)	T	Solid	8270C	240-13389
240-3199-7	ASB-118_5-7(20110823)	T	Solid	8270C	240-13389
240-3199-8	ASB-118_2-4(20110823)	T	Solid	8270C	240-13389

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-13772					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-13772/1-A	Method Blank	T	Solid	5035	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	5035	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	5035	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	5035	
Analysis Batch:240-14219					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	WI-GRO	240-13772
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-13772
MB 240-13772/1-A	Method Blank	T	Solid	WI-GRO	240-13772
240-3199-1	ASB-115_2-4(20110822)	T	Solid	WI-GRO	240-13772
240-3199-2	ASB-115_4-6(20110822)	T	Solid	WI-GRO	240-13772
240-3199-3	ASB-116_4-6(20110822)	T	Solid	WI-GRO	240-13772

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13352					
LCS 240-13352/18-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-13352/19-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-13352/17-A	Method Blank	T	Solid	WI DRO PREP	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	WI DRO PREP	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	WI DRO PREP	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	WI DRO PREP	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	WI DRO PREP	
240-3199-5	ASB-117_2-4(20110823)	T	Solid	WI DRO PREP	
240-3199-6	ASB-117_0-2(20110823)	T	Solid	WI DRO PREP	
240-3199-7	ASB-118_5-7(20110823)	T	Solid	WI DRO PREP	
240-3199-8	ASB-118_2-4(20110823)	T	Solid	WI DRO PREP	
Prep Batch: 240-13365					
LCS 240-13365/15-A	Lab Control Sample	T	Solid	3540C	
MB 240-13365/14-A	Method Blank	T	Solid	3540C	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	3540C	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	3540C	
240-3199-2MS	Matrix Spike	T	Solid	3540C	
240-3199-2MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	3540C	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	3540C	
240-3199-5	ASB-117_2-4(20110823)	T	Solid	3540C	
240-3199-6	ASB-117_0-2(20110823)	T	Solid	3540C	
240-3199-7	ASB-118_5-7(20110823)	T	Solid	3540C	
240-3199-8	ASB-118_2-4(20110823)	T	Solid	3540C	
Analysis Batch:240-13596					
LCS 240-13352/18-A	Lab Control Sample	T	Solid	WI-DRO	240-13352
LCSD 240-13352/19-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-13352
MB 240-13352/17-A	Method Blank	T	Solid	WI-DRO	240-13352
240-3199-1	ASB-115_2-4(20110822)	T	Solid	WI-DRO	240-13352
240-3199-2	ASB-115_4-6(20110822)	T	Solid	WI-DRO	240-13352
240-3199-3	ASB-116_4-6(20110822)	T	Solid	WI-DRO	240-13352
240-3199-4	ASB-116_6-8(20110822)	T	Solid	WI-DRO	240-13352
240-3199-5	ASB-117_2-4(20110823)	T	Solid	WI-DRO	240-13352
240-3199-6	ASB-117_0-2(20110823)	T	Solid	WI-DRO	240-13352
240-3199-7	ASB-118_5-7(20110823)	T	Solid	WI-DRO	240-13352
240-3199-8	ASB-118_2-4(20110823)	T	Solid	WI-DRO	240-13352

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-13610					
LCS 240-13365/15-A	Lab Control Sample	T	Solid	8082	240-13365
MB 240-13365/14-A	Method Blank	T	Solid	8082	240-13365
240-3199-1	ASB-115_2-4(20110822)	T	Solid	8082	240-13365
240-3199-2	ASB-115_4-6(20110822)	T	Solid	8082	240-13365
240-3199-2MS	Matrix Spike	T	Solid	8082	240-13365
240-3199-2MSD	Matrix Spike Duplicate	T	Solid	8082	240-13365
240-3199-3	ASB-116_4-6(20110822)	T	Solid	8082	240-13365
240-3199-4	ASB-116_6-8(20110822)	T	Solid	8082	240-13365
240-3199-5	ASB-117_2-4(20110823)	T	Solid	8082	240-13365
240-3199-6	ASB-117_0-2(20110823)	T	Solid	8082	240-13365
240-3199-7	ASB-118_5-7(20110823)	T	Solid	8082	240-13365
240-3199-8	ASB-118_2-4(20110823)	T	Solid	8082	240-13365

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13406					
LCS 240-13406/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-13406/1-A	Method Blank	T	Solid	3050B	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	3050B	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	3050B	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	3050B	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	3050B	
240-3199-5	ASB-117_2-4(20110823)	T	Solid	3050B	
240-3199-6	ASB-117_0-2(20110823)	T	Solid	3050B	
240-3199-6MS	Matrix Spike	T	Solid	3050B	
240-3199-6MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3199-7	ASB-118_5-7(20110823)	T	Solid	3050B	
240-3199-8	ASB-118_2-4(20110823)	T	Solid	3050B	
Prep Batch: 240-13427					
LCS 240-13427/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-13427/1-A	Method Blank	T	Solid	7471A	
240-3199-1	ASB-115_2-4(20110822)	T	Solid	7471A	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	7471A	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	7471A	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	7471A	
240-3199-5	ASB-117_2-4(20110823)	T	Solid	7471A	
240-3199-6	ASB-117_0-2(20110823)	T	Solid	7471A	
240-3199-6MS	Matrix Spike	T	Solid	7471A	
240-3199-6MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3199-7	ASB-118_5-7(20110823)	T	Solid	7471A	
240-3199-8	ASB-118_2-4(20110823)	T	Solid	7471A	
Analysis Batch:240-13569					
LCS 240-13427/2-A	Lab Control Sample	T	Solid	7471A	240-13427
MB 240-13427/1-A	Method Blank	T	Solid	7471A	240-13427
240-3199-1	ASB-115_2-4(20110822)	T	Solid	7471A	240-13427
240-3199-2	ASB-115_4-6(20110822)	T	Solid	7471A	240-13427
240-3199-3	ASB-116_4-6(20110822)	T	Solid	7471A	240-13427
240-3199-4	ASB-116_6-8(20110822)	T	Solid	7471A	240-13427
240-3199-5	ASB-117_2-4(20110823)	T	Solid	7471A	240-13427
240-3199-6	ASB-117_0-2(20110823)	T	Solid	7471A	240-13427
240-3199-6MS	Matrix Spike	T	Solid	7471A	240-13427
240-3199-6MSD	Matrix Spike Duplicate	T	Solid	7471A	240-13427
240-3199-7	ASB-118_5-7(20110823)	T	Solid	7471A	240-13427
240-3199-8	ASB-118_2-4(20110823)	T	Solid	7471A	240-13427

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-13685					
LCS 240-13406/2-A	Lab Control Sample	T	Solid	6010B	240-13406
MB 240-13406/1-A	Method Blank	T	Solid	6010B	240-13406
240-3199-1	ASB-115_2-4(20110822)	T	Solid	6010B	240-13406
240-3199-2	ASB-115_4-6(20110822)	T	Solid	6010B	240-13406
240-3199-3	ASB-116_4-6(20110822)	T	Solid	6010B	240-13406
240-3199-4	ASB-116_6-8(20110822)	T	Solid	6010B	240-13406
240-3199-5	ASB-117_2-4(20110823)	T	Solid	6010B	240-13406
240-3199-6	ASB-117_0-2(20110823)	T	Solid	6010B	240-13406
240-3199-6MS	Matrix Spike	T	Solid	6010B	240-13406
240-3199-6MSD	Matrix Spike Duplicate	T	Solid	6010B	240-13406
240-3199-7	ASB-118_5-7(20110823)	T	Solid	6010B	240-13406
240-3199-8	ASB-118_2-4(20110823)	T	Solid	6010B	240-13406

Report Basis
T = Total

General Chemistry

Analysis Batch:240-13210					
240-3199-1	ASB-115_2-4(20110822)	T	Solid	Moisture	
240-3199-2	ASB-115_4-6(20110822)	T	Solid	Moisture	
240-3199-3	ASB-116_4-6(20110822)	T	Solid	Moisture	
240-3199-4	ASB-116_6-8(20110822)	T	Solid	Moisture	
240-3199-4DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3199-1	ASB-115_2-4(20110822)	76	75	64	76
240-3199-2	ASB-115_4-6(20110822)	77	75	65	78
240-3199-3	ASB-116_4-6(20110822)	82	80	65	80
240-3199-4	ASB-116_6-8(20110822)	105	102	90	101
MB 240-13470/1-A		87	83	70	86
LCS 240-13470/2-A		89	88	77	85

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3199-1	ASB-115_2-4(20110822)	0X	68	77	62	64	78
240-3199-2	ASB-115_4-6(20110822)	45	56	57	50	54	66
240-3199-3	ASB-116_4-6(20110822)	50	51	50	47	47	63
240-3199-4	ASB-116_6-8(20110822)	29	44	51	45	45	63
240-3199-5	ASB-117_2-4(20110823)	43	47	52	46	49	64
240-3199-6	ASB-117_0-2(20110823)	0X	54	57	44	49	65
240-3199-7	ASB-118_5-7(20110823)	36	49	55	46	50	66
240-3199-8	ASB-118_2-4(20110823)	47	57	64	57	61	74
MB 240-13389/21-A		42	45	54	46	53	61
LCS 240-13389/22-A		67	66	68	64	72	84
240-3199-5 MS	ASB-117_2-4(20110823) MS	49	50	57	50	60	63
240-3199-5 MSD	ASB-117_2-4(20110823) MSD	58	57	49	44	57	75

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-3199-1	ASB-115_2-4(20110822)	77	85
240-3199-2	ASB-115_4-6(20110822)	74	76
240-3199-3	ASB-116_4-6(20110822)	89	92
240-3199-4	ASB-116_6-8(20110822)	73	85
240-3199-5	ASB-117_2-4(20110823)	78	86
240-3199-6	ASB-117_0-2(20110823)	58	72
240-3199-7	ASB-118_5-7(20110823)	78	86
240-3199-8	ASB-118_2-4(20110823)	72	75
MB 240-13365/14-A		85	100
LCS 240-13365/15-A		88	101
240-3199-2 MS	ASB-115_4-6(20110822) MS	74	81
240-3199-2 MSD	ASB-115_4-6(20110822) MSD	88	96

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13470 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-13470/1-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140469.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1221	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13470 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-13470/1-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140469.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1221	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	8.32	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	94.0	J	49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	83	26 - 141
Dibromofluoromethane (Surr)	70	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Control Sample - Batch: 240-13470

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13470/2-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1159	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	402	80	27 - 121	
1,1,1-Trichloroethane	500	396	79	38 - 122	
1,1,2,2-Tetrachloroethane	500	575	115	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	442	88	48 - 151	
1,1,2-Trichloroethane	500	550	110	74 - 114	
1,1-Dichloroethane	500	451	90	63 - 117	
1,1-Dichloroethene	500	458	92	44 - 143	
1,1-Dichloropropene	500	468	94	60 - 123	
1,2,3-Trichlorobenzene	500	428	86	43 - 129	
1,2,3-Trichloropropane	500	600	120	74 - 124	
1,2,4-Trichlorobenzene	500	399	80	41 - 135	
1,2,4-Trimethylbenzene	500	470	94	62 - 133	
1,2-Dibromo-3-Chloropropane	500	427	85	10 - 129	J
1,2-Dibromoethane	500	510	102	47 - 123	
1,2-Dichlorobenzene	500	485	97	68 - 118	
1,2-Dichloroethane	500	491	98	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	445	89	60 - 130	
1,3-Dichlorobenzene	500	482	96	66 - 121	
1,3-Dichloropropane	500	550	110	74 - 119	
1,4-Dichlorobenzene	500	482	96	65 - 119	
2,2-Dichloropropane	500	346	69	25 - 123	
2-Butanone (MEK)	1000	1160	116	10 - 199	
2-Chlorotoluene	500	474	95	68 - 122	
2-Hexanone	1000	1300	130	43 - 130	
4-Chlorotoluene	500	484	97	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1170	117	49 - 121	
Acetone	1000	885	89	16 - 156	J
Benzene	500	492	98	70 - 117	
Bromobenzene	500	505	101	72 - 120	
Bromochloromethane	500	449	90	56 - 128	
Bromodichloromethane	500	398	80	28 - 123	
Bromoform	500	482	96	10 - 117	
Bromomethane	500	298	60	10 - 114	
Carbon disulfide	500	302	60	10 - 132	
Carbon tetrachloride	500	363	73	29 - 118	
Chlorobenzene	500	476	95	71 - 116	
Chloroethane	500	433	87	10 - 120	
Chloroform	500	461	92	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	446	89	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Control Sample - Batch: 240-13470

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13470/2-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1159	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	399	80	25 - 120	
Cyclohexane	500	418	84	40 - 120	J
Chlorodibromomethane	500	374	75	22 - 113	
Dibromomethane	500	515	103	68 - 118	
Dichlorodifluoromethane	500	271	54	10 - 110	
Ethyl ether	500	454	91	70 - 130	J
Ethylbenzene	500	463	93	66 - 119	
Hexachlorobutadiene	500	408	82	34 - 135	
Isopropylbenzene	500	439	88	61 - 123	
Methyl acetate	500	610	122	44 - 173	
Methyl tert butyl ether	500	500	100	34 - 157	J
Methylcyclohexane	500	441	88	41 - 133	J
Methylene Chloride	500	449	90	27 - 172	
m-Xylene & p-Xylene	1000	945	95	67 - 118	
Naphthalene	500	445	89	37 - 126	
n-Butylbenzene	500	452	90	51 - 137	
N-Propylbenzene	500	487	97	64 - 130	
o-Xylene	500	470	94	68 - 120	
p-Isopropyltoluene	500	452	90	56 - 136	
sec-Butylbenzene	500	442	88	58 - 131	
Styrene	500	437	87	60 - 120	
tert-Butylbenzene	500	437	87	58 - 128	
Tetrachloroethene	500	459	92	58 - 131	
Tetrahydrofuran	500	670	134	70 - 130	J *
Toluene	500	496	99	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	416	83	22 - 122	
Trichloroethene	500	485	97	59 - 124	
Trichlorofluoromethane	500	319	64	17 - 145	
Vinyl chloride	500	393	79	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	88	26 - 141
Dibromofluoromethane (Surr)	77	30 - 122
Toluene-d8 (Surr)	85	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13389

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-13389/21-A	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1221	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42	10 - 118
2-Fluorobiphenyl (Surr)	45	34 - 110
2-Fluorophenol (Surr)	54	26 - 110
Nitrobenzene-d5 (Surr)	46	24 - 112
Phenol-d5 (Surr)	53	28 - 110
Terphenyl-d14 (Surr)	61	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Lab Control Sample - Batch: 240-13389

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-13389/22-A	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1238	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	464	70	46 - 110	
Acenaphthene	667	482	72	46 - 110	
Acenaphthylene	667	481	72	47 - 110	
Anthracene	667	532	80	56 - 111	
Benzo[a]anthracene	667	585	88	58 - 111	
Benzo[a]pyrene	667	489	73	44 - 115	
Benzo[b]fluoranthene	667	733	110	43 - 124	
Benzo[g,h,i]perylene	667	580	87	44 - 120	
Benzo[k]fluoranthene	667	384	58	38 - 122	
Chrysene	667	489	73	56 - 111	
Dibenz(a,h)anthracene	667	566	85	45 - 122	
Fluoranthene	667	554	83	55 - 118	
Fluorene	667	514	77	51 - 110	
Indeno[1,2,3-cd]pyrene	667	565	85	45 - 121	
Naphthalene	667	429	64	42 - 110	
Phenanthrene	667	517	77	54 - 110	
Pyrene	667	525	79	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	67	10 - 118
2-Fluorobiphenyl (Surr)	66	34 - 110
2-Fluorophenol (Surr)	68	26 - 110
Nitrobenzene-d5 (Surr)	64	24 - 112
Phenol-d5 (Surr)	72	28 - 110
Terphenyl-d14 (Surr)	84	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13389

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3199-5	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/30/2011 1558			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3199-5	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	08/30/2011 1615			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	55	59	10 - 200	7	30		
Acenaphthene	55	66	10 - 200	19	30		
Acenaphthylene	54	64	10 - 200	17	30		
Anthracene	60	70	10 - 200	15	30		
Benzo[a]anthracene	60	68	10 - 200	14	30		
Benzo[a]pyrene	53	62	10 - 200	16	30		
Benzo[b]fluoranthene	56	71	10 - 200	24	30		
Benzo[g,h,i]perylene	62	72	10 - 200	15	30		
Benzo[k]fluoranthene	62	65	10 - 200	6	30		
Chrysene	57	69	10 - 200	19	30		
Dibenz(a,h)anthracene	62	0	10 - 200	NC	30		F
Fluoranthene	60	72	10 - 200	17	30		
Fluorene	57	68	10 - 187	18	30		
Indeno[1,2,3-cd]pyrene	60	69	10 - 200	15	30		
Naphthalene	49	48	10 - 200	2	30	J	J
Phenanthrene	60	70	10 - 200	15	30		
Pyrene	58	70	10 - 200	17	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	49	58	10 - 118
2-Fluorobiphenyl (Surr)	50	57	34 - 110
2-Fluorophenol (Surr)	57	49	26 - 110
Nitrobenzene-d5 (Surr)	50	44	24 - 112
Phenol-d5 (Surr)	60	57	28 - 110
Terphenyl-d14 (Surr)	63	75	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13772 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-13772/1-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090215.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1825	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13772 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-13772/2-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1906	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13772/3-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/03/2011 0628	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	91	93	80 - 120	2	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13365

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-13365/14-A	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-13365	Lab File ID:	P1282921.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/29/2011 1651	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/26/2011 0828			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	29 - 151
DCB Decachlorobiphenyl	100	14 - 163

Lab Control Sample - Batch: 240-13365

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-13365/15-A	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-13365	Lab File ID:	P1282922.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/29/2011 1706	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/26/2011 0828			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	317	95	62 - 120	
Aroclor-1260	333	327	98	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	88	29 - 151
DCB Decachlorobiphenyl	101	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13365

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3199-2	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-13365	Lab File ID:	P1282913.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	08/29/2011 1454			Final Weight/Volume:	10 mL
Prep Date:	08/26/2011 0828			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3199-2	Analysis Batch:	240-13610	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-13365	Lab File ID:	P1282914.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	08/29/2011 1509			Final Weight/Volume:	10 mL
Prep Date:	08/26/2011 0828			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	79	94	22 - 157	17	30		
Aroclor-1260	73	88	13 - 161	19	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	74	88	29 - 151
DCB Decachlorobiphenyl	81	96	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13352

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-13352/17-A	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-13352	Lab File ID:	P14R0000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1523	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13352

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-13352/18-A	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-13352	Lab File ID:	P14R0000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1548	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13352/19-A	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-13352	Lab File ID:	P14R0000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 2239	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	59	71	70 - 120	18	20	*	

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13406

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-13406/1-A	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/29/2011 0739	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.0845	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-13406

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-13406/2-A	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/29/2011 0745	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	207	103	80 - 120	
Cadmium	5.00	5.08	102	80 - 120	
Chromium	20.0	20.3	101	80 - 120	
Silver	5.00	5.01	100	80 - 120	
Arsenic	200	195	97	80 - 120	
Lead	50.0	50.7	101	80 - 120	
Selenium	200	192	96	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13406

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3199-6	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/29/2011 0802			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3199-6	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13406	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/29/2011 0807			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1011				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	97	95	75 - 125	2	20		
Cadmium	91	90	75 - 125	2	20		
Chromium	100	105	75 - 125	3	20		
Silver	94	90	75 - 125	4	20		
Arsenic	91	89	75 - 125	2	20		
Lead	91	89	75 - 125	2	20		
Selenium	88	87	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Method Blank - Batch: 240-13427

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-13427/1-A	Analysis Batch:	240-13569	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/26/2011 1513	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-13427

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-13427/2-A	Analysis Batch:	240-13569	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/26/2011 1514	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.835	100	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13427

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3199-6	Analysis Batch:	240-13569	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/26/2011 1519			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3199-6	Analysis Batch:	240-13569	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13427	Lab File ID:	HG10826A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/26/2011 1520			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	100	101	11 - 192	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3199-1

Duplicate - Batch: 240-13210

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3199-4	Analysis Batch:	240-13210	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/25/2011 1640	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	82	3	20	
Percent Moisture	15	18	16	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3199-1

Login Number: 3199

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8/3.3/2.4/1.3/2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

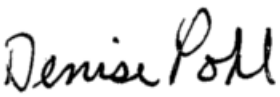
ANALYTICAL REPORT

Job Number: 240-3201-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Denise Pohl
Project Manager II
9/16/2011 3:43 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/16/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3201-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/25/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7), ASB-122_6-8(20110824) (240-3201-8) and MB-001(20110824) (240-3201-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/29/2011.

Naphthalene and Tetrahydrofuran were detected in method blank MB 240-13470/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Tetrahydrofuran failed the recovery criteria high for LCS 240-13470/2-A. Refer to the QC report for details.

Samples ASB-121_8-10(20110824) (240-3201-5)[13X], ASB-121_5-7(20110824) (240-3201-6)[5X] and ASB-122_6-8(20110824) (240-3201-8)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13470 for these samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_5-7(20110824) (240-3201-6), ASB-121_8-10(20110824) (240-3201-5), ASB-122_2-4(20110824) (240-3201-7), ASB-122_6-8(20110824) (240-3201-8).

Method(s) 8260B: The laboratory control sample for batch 13470 exceeded control limits for the following analyte: Tetrahydrofuran. Tetrahyfrofuran has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for this analyte. These results have been reported and qualified

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7) and ASB-122_6-8(20110824) (240-3201-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 08/30/2011 and 09/01/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for ASB-121_8-10(20110824) (240-3201-5). Refer to the QC report for details.

Dibenz(a,h)anthracene failed the recovery criteria low for the MSD of sample 240-3199-5 in batch 240-13768.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-121_5-7(20110824) (240-3201-6), ASB-121_8-10(20110824) (240-3201-5). Elevated reporting limits (RLs) are provided.

Refer to the QC report for details.

Samples ASB-121_8-10(20110824) (240-3201-5)[5X], ASB-121_5-7(20110824) (240-3201-6)[5X] and ASB-122_6-8(20110824) (240-3201-8)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7) and ASB-122_6-8(20110824) (240-3201-8) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/02/2011 and 09/03/2011.

Samples ASB-121_8-10(20110824) (240-3201-5)[100X], ASB-121_5-7(20110824) (240-3201-6)[20X] and ASB-122_6-8(20110824) (240-3201-8)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) Wisconsin GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13772 for these samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7) and ASB-122_6-8(20110824) (240-3201-8).

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7) and ASB-122_6-8(20110824) (240-3201-8) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 08/29/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for LCS 240-13352/18-A. Refer to the QC report for details.

Method(s) Wisconsin DRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13352 for these samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7) and ASB-122_6-8(20110824) (240-3201-8).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

Method(s) WI-DRO: Samples reported with LCS failing low due to limited volume of samples.

TOTAL METALS (ICP)

Samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3), ASB-120_6-8(20110824) (240-3201-4), ASB-121_8-10(20110824) (240-3201-5), ASB-121_5-7(20110824) (240-3201-6), ASB-122_2-4(20110824) (240-3201-7) and ASB-122_6-8(20110824) (240-3201-8) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 08/29/2011.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-119_5-7(20110823) (240-3201-1), ASB-119_8-10(20110823) (240-3201-2), ASB-120_4-6(20110824) (240-3201-3) and ASB-120_6-8(20110824) (240-3201-4) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/25/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3201-1	**ASB-119_5-7(20110823)**					
Carbon disulfide		54	J	280	ug/Kg	8260B
Methyl acetate		110	J	560	ug/Kg	8260B
Tetrahydrofuran		120	J B *	1100	ug/Kg	8260B
Lead		7.5		0.34	mg/Kg	6010B
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-3201-2	**ASB-119_8-10(20110823)**					
Methyl acetate		41	J	620	ug/Kg	8260B
Tetrahydrofuran		120	J B *	1200	ug/Kg	8260B
Lead		3.9		0.38	mg/Kg	6010B
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture
240-3201-3	**ASB-120_4-6(20110824)**					
1,2-Dichloroethane		33	J	320	ug/Kg	8260B
Carbon disulfide		67	J	320	ug/Kg	8260B
Methyl acetate		290	J	650	ug/Kg	8260B
Tetrahydrofuran		120	J B *	1300	ug/Kg	8260B
Lead		11		0.38	mg/Kg	6010B
Percent Solids		75		0.10	%	Moisture
Percent Moisture		25		0.10	%	Moisture
240-3201-4	**ASB-120_6-8(20110824)**					
1,2-Dichloroethane		99	J	300	ug/Kg	8260B
Carbon disulfide		55	J	300	ug/Kg	8260B
Methyl acetate		81	J	600	ug/Kg	8260B
Tetrahydrofuran		120	J B *	1200	ug/Kg	8260B
Lead		5.8		0.32	mg/Kg	6010B
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3201-5	**ASB-121_8-10(20110824)**					
1,2,4-Trimethylbenzene		110000		3400	ug/Kg	8260B
1,3,5-Trimethylbenzene		35000		3400	ug/Kg	8260B
Benzene		15000		3400	ug/Kg	8260B
Cyclohexane		35000		6900	ug/Kg	8260B
Ethylbenzene		70000		3400	ug/Kg	8260B
Isopropylbenzene		4800		3400	ug/Kg	8260B
Methylcyclohexane		36000		6900	ug/Kg	8260B
m-Xylene & p-Xylene		240000		6900	ug/Kg	8260B
Naphthalene		11000	B	3400	ug/Kg	8260B
n-Butylbenzene		7200		3400	ug/Kg	8260B
N-Propylbenzene		23000		3400	ug/Kg	8260B
o-Xylene		87000		3400	ug/Kg	8260B
p-Isopropyltoluene		740	J	3400	ug/Kg	8260B
sec-Butylbenzene		1900	J	3400	ug/Kg	8260B
Toluene		120000		3400	ug/Kg	8260B
2-Methylnaphthalene		4200		1900	ug/Kg	8270C
Acenaphthene		120	J	1900	ug/Kg	8270C
Anthracene		160	J	1900	ug/Kg	8270C
Benzo[a]anthracene		250	J	1900	ug/Kg	8270C
Benzo[a]pyrene		200	J	1900	ug/Kg	8270C
Benzo[b]fluoranthene		250	J	1900	ug/Kg	8270C
Benzo[g,h,i]perylene		110	J	1900	ug/Kg	8270C
Benzo[k]fluoranthene		160	J	1900	ug/Kg	8270C
Chrysene		220	J	1900	ug/Kg	8270C
Fluoranthene		550	J	1900	ug/Kg	8270C
Fluorene		140	J	1900	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		95	J	1900	ug/Kg	8270C
Naphthalene		3000		1900	ug/Kg	8270C
Phenanthrene		510	J	1900	ug/Kg	8270C
Pyrene		440	J	1900	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		4000		1200	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		12	*	10	mg/Kg	WI-DRO
Lead		32		0.31	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3201-6	**ASB-121_5-7(20110824)**					
1,2,4-Trimethylbenzene		31000		1400	ug/Kg	8260B
1,3,5-Trimethylbenzene		9700		1400	ug/Kg	8260B
Benzene		2900		1400	ug/Kg	8260B
Cyclohexane		11000		2800	ug/Kg	8260B
Ethylbenzene		18000		1400	ug/Kg	8260B
Isopropylbenzene		1300	J	1400	ug/Kg	8260B
Methylcyclohexane		12000		2800	ug/Kg	8260B
m-Xylene & p-Xylene		61000		2800	ug/Kg	8260B
Naphthalene		2900	B	1400	ug/Kg	8260B
n-Butylbenzene		2200		1400	ug/Kg	8260B
N-Propylbenzene		6500		1400	ug/Kg	8260B
o-Xylene		21000		1400	ug/Kg	8260B
p-Isopropyltoluene		220	J	1400	ug/Kg	8260B
sec-Butylbenzene		570	J	1400	ug/Kg	8260B
Toluene		16000		1400	ug/Kg	8260B
2-Methylnaphthalene		1600	J	1900	ug/Kg	8270C
Acenaphthene		180	J	1900	ug/Kg	8270C
Acenaphthylene		48	J	1900	ug/Kg	8270C
Anthracene		1000	J	1900	ug/Kg	8270C
Benzo[a]anthracene		4500		1900	ug/Kg	8270C
Benzo[a]pyrene		4300		1900	ug/Kg	8270C
Benzo[b]fluoranthene		5200		1900	ug/Kg	8270C
Benzo[g,h,i]perylene		2400		1900	ug/Kg	8270C
Benzo[k]fluoranthene		3400		1900	ug/Kg	8270C
Chrysene		4300		1900	ug/Kg	8270C
Fluoranthene		7400		1900	ug/Kg	8270C
Fluorene		280	J	1900	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		2400		1900	ug/Kg	8270C
Naphthalene		1200	J	1900	ug/Kg	8270C
Phenanthrene		3000		1900	ug/Kg	8270C
Pyrene		5200		1900	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		820		230	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		42	*	10	mg/Kg	WI-DRO
Lead		31		0.35	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3201-7	**ASB-122_2-4(20110824)**					
1,2,4-Trimethylbenzene		84	J	270	ug/Kg	8260B
1,3,5-Trimethylbenzene		59	J	270	ug/Kg	8260B
Benzene		1400		270	ug/Kg	8260B
Cyclohexane		820		540	ug/Kg	8260B
Ethylbenzene		51	J	270	ug/Kg	8260B
Isopropylbenzene		30	J	270	ug/Kg	8260B
Methyl acetate		81	J	540	ug/Kg	8260B
Methylcyclohexane		590		540	ug/Kg	8260B
Methylene Chloride		100	J	270	ug/Kg	8260B
m-Xylene & p-Xylene		620		540	ug/Kg	8260B
Naphthalene		19	J B	270	ug/Kg	8260B
N-Propylbenzene		110	J	270	ug/Kg	8260B
o-Xylene		82	J	270	ug/Kg	8260B
Toluene		36	J	270	ug/Kg	8260B
2-Methylnaphthalene		18	J	390	ug/Kg	8270C
Acenaphthene		35	J	390	ug/Kg	8270C
Acenaphthylene		4.2	J	390	ug/Kg	8270C
Anthracene		66	J	390	ug/Kg	8270C
Benzo[a]anthracene		170	J	390	ug/Kg	8270C
Benzo[a]pyrene		150	J	390	ug/Kg	8270C
Benzo[b]fluoranthene		170	J	390	ug/Kg	8270C
Benzo[g,h,i]perylene		86	J	390	ug/Kg	8270C
Benzo[k]fluoranthene		98	J	390	ug/Kg	8270C
Chrysene		180	J	390	ug/Kg	8270C
Fluoranthene		420		390	ug/Kg	8270C
Fluorene		39	J	390	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		72	J	390	ug/Kg	8270C
Naphthalene		25	J	390	ug/Kg	8270C
Phenanthrene		350	J	390	ug/Kg	8270C
Pyrene		330	J	390	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		57		12	mg/Kg	WI-GRO
Lead		14		0.29	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3201-8	**ASB-122_6-8(20110824)**					
1,2,4-Trimethylbenzene		64000		1600	ug/Kg	8260B
1,3,5-Trimethylbenzene		20000		1600	ug/Kg	8260B
Benzene		9200		1600	ug/Kg	8260B
Cyclohexane		24000		3300	ug/Kg	8260B
Ethylbenzene		36000		1600	ug/Kg	8260B
Isopropylbenzene		2600		1600	ug/Kg	8260B
Methylcyclohexane		19000		3300	ug/Kg	8260B
m-Xylene & p-Xylene		120000		3300	ug/Kg	8260B
Naphthalene		6300	B	1600	ug/Kg	8260B
n-Butylbenzene		4300		1600	ug/Kg	8260B
N-Propylbenzene		13000		1600	ug/Kg	8260B
o-Xylene		42000		1600	ug/Kg	8260B
p-Isopropyltoluene		410	J	1600	ug/Kg	8260B
sec-Butylbenzene		1100	J	1600	ug/Kg	8260B
Toluene		28000		1600	ug/Kg	8260B
2-Methylnaphthalene		2500		860	ug/Kg	8270C
Acenaphthene		33	J	860	ug/Kg	8270C
Fluoranthene		22	J	860	ug/Kg	8270C
Fluorene		45	J	860	ug/Kg	8270C
Naphthalene		1900		860	ug/Kg	8270C
Phenanthrene		69	J	860	ug/Kg	8270C
Pyrene		25	J	860	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		2300		660	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		26	*	11	mg/Kg	WI-DRO
Lead		8.0		0.34	mg/Kg	6010B
240-3201-9	**MB-001(20110824)**					
Tetrahydrofuran		92	J B *	1000	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3201-1	ASB-119_5-7(20110823)	Solid	08/23/2011 1640	08/25/2011 0920
240-3201-2	ASB-119_8-10(20110823)	Solid	08/23/2011 1650	08/25/2011 0920
240-3201-3	ASB-120_4-6(20110824)	Solid	08/24/2011 0932	08/25/2011 0920
240-3201-4	ASB-120_6-8(20110824)	Solid	08/24/2011 0942	08/25/2011 0920
240-3201-5	ASB-121_8-10(20110824)	Solid	08/24/2011 1205	08/25/2011 0920
240-3201-6	ASB-121_5-7(20110824)	Solid	08/24/2011 1215	08/25/2011 0920
240-3201-7	ASB-122_2-4(20110824)	Solid	08/24/2011 1440	08/25/2011 0920
240-3201-8	ASB-122_6-8(20110824)	Solid	08/24/2011 1450	08/25/2011 0920
240-3201-9	MB-001(20110824)	Solid	08/24/2011 0000	08/25/2011 0920

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_5-7(20110823)**

Lab Sample ID: 240-3201-1 Date Sampled: 08/23/2011 1640
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140478.D
Dilution:	1.0			Initial Weight/Volume:	28.43 g
Analysis Date:	08/29/2011 1535			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.2	280
1,2,4-Trimethylbenzene		ND		5.6	280
1,2-Dibromo-3-Chloropropane		ND		56	560
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.6	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.2	280
1,3,5-Trimethylbenzene		ND		6.5	280
1,3-Dichlorobenzene		ND		5.4	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.0	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	560
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		54	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		54	J	13	280
Carbon tetrachloride		ND		7.2	280
Chlorobenzene		ND		7.2	280
Chloroethane		ND		68	280
Chloroform		ND		9.9	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.9	280
Cyclohexane		ND		45	560
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_5-7(20110823)**

Lab Sample ID: 240-3201-1 Date Sampled: 08/23/2011 1640
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140478.D
Dilution:	1.0			Initial Weight/Volume:	28.43 g
Analysis Date:	08/29/2011 1535			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	560
Ethyl ether		ND		17	560
Ethylbenzene		ND		6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.3	280
Methyl acetate		110	J	28	560
Methyl tert butyl ether		ND		8.0	1100
Methylcyclohexane		ND		13	560
Methylene Chloride		ND		86	280
m-Xylene & p-Xylene		ND		6.9	560
Naphthalene		ND		7.5	280
n-Butylbenzene		ND		9.0	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.5	280
p-Isopropyltoluene		ND		5.4	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.3	280
tert-Butylbenzene		ND		7.3	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		120	J B *	55	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	73		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_8-10(20110823)**

Lab Sample ID: 240-3201-2 Date Sampled: 08/23/2011 1650
Client Matrix: Solid % Moisture: 23.4 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140479.D
Dilution:	1.0			Initial Weight/Volume:	26.52 g
Analysis Date:	08/29/2011 1557			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	310
1,1,1-Trichloroethane		ND		26	310
1,1,2,2-Tetrachloroethane		ND		11	310
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		48	310
1,1,2-Trichloroethane		ND		15	310
1,1-Dichloroethane		ND		21	310
1,1-Dichloroethene		ND		22	310
1,1-Dichloropropene		ND		12	310
1,2,3-Trichlorobenzene		ND		12	310
1,2,3-Trichloropropane		ND		26	310
1,2,4-Trichlorobenzene		ND		9.0	310
1,2,4-Trimethylbenzene		ND		6.2	310
1,2-Dibromo-3-Chloropropane		ND		62	620
1,2-Dibromoethane		ND		12	310
1,2-Dichlorobenzene		ND		11	310
1,2-Dichloroethane		ND		12	310
1,2-Dichloropropane		ND		10	310
1,3,5-Trimethylbenzene		ND		7.1	310
1,3-Dichlorobenzene		ND		5.9	310
1,3-Dichloropropane		ND		27	310
1,4-Dichlorobenzene		ND		9.9	310
2,2-Dichloropropane		ND		28	310
2-Butanone (MEK)		ND		53	1200
2-Chlorotoluene		ND		11	310
2-Hexanone		ND		25	1200
Allyl chloride		ND		65	620
4-Chlorotoluene		ND		12	310
4-Methyl-2-pentanone (MIBK)		ND		59	1200
Acetone		ND		210	1200
Benzene		ND		15	310
Bromobenzene		ND		16	310
Bromochloromethane		ND		16	310
Bromodichloromethane		ND		12	310
Bromoform		ND		23	310
Bromomethane		ND		36	310
Carbon disulfide		ND		15	310
Carbon tetrachloride		ND		7.9	310
Chlorobenzene		ND		7.9	310
Chloroethane		ND		75	310
Chloroform		ND		11	310
Chloromethane		ND		17	310
cis-1,2-Dichloroethene		ND		8.5	310
cis-1,3-Dichloropropene		ND		9.7	310
Cyclohexane		ND		49	620
Chlorodibromomethane		ND		15	310
Dibromomethane		ND		17	310

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_8-10(20110823)**

Lab Sample ID: 240-3201-2 Date Sampled: 08/23/2011 1650
Client Matrix: Solid % Moisture: 23.4 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140479.D
Dilution:	1.0			Initial Weight/Volume:	26.52 g
Analysis Date:	08/29/2011 1557			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		20	310
Dichlorofluoromethane		ND		31	620
Ethyl ether		ND		18	620
Ethylbenzene		ND		6.6	310
Hexachlorobutadiene		ND		17	310
Isopropylbenzene		ND		8.0	310
Methyl acetate		41	J	31	620
Methyl tert butyl ether		ND		8.7	1200
Methylcyclohexane		ND		15	620
Methylene Chloride		ND		95	310
m-Xylene & p-Xylene		ND		7.6	620
Naphthalene		ND		8.3	310
n-Butylbenzene		ND		9.9	310
N-Propylbenzene		ND		17	310
o-Xylene		ND		10	310
p-Isopropyltoluene		ND		5.9	310
sec-Butylbenzene		ND		5.8	310
Styrene		ND		6.9	310
tert-Butylbenzene		ND		8.0	310
Tetrachloroethene		ND		15	310
Tetrahydrofuran		120	J B *	60	1200
Toluene		ND		21	310
trans-1,2-Dichloroethene		ND		11	310
trans-1,3-Dichloropropene		ND		25	310
Trichloroethene		ND		12	310
Trichlorofluoromethane		ND		20	310
Vinyl chloride		ND		22	310

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_4-6(20110824)**

Lab Sample ID: 240-3201-3 Date Sampled: 08/24/2011 0932
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140480.D
Dilution:	1.0			Initial Weight/Volume:	25.76 g
Analysis Date:	08/29/2011 1618			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	320
1,1,1-Trichloroethane		ND		27	320
1,1,2,2-Tetrachloroethane		ND		12	320
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		50	320
1,1,2-Trichloroethane		ND		16	320
1,1-Dichloroethane		ND		22	320
1,1-Dichloroethene		ND		23	320
1,1-Dichloropropene		ND		13	320
1,2,3-Trichlorobenzene		ND		13	320
1,2,3-Trichloropropane		ND		27	320
1,2,4-Trichlorobenzene		ND		9.4	320
1,2,4-Trimethylbenzene		ND		6.5	320
1,2-Dibromo-3-Chloropropane		ND		65	650
1,2-Dibromoethane		ND		13	320
1,2-Dichlorobenzene		ND		11	320
1,2-Dichloroethane		33	J	13	320
1,2-Dichloropropane		ND		11	320
1,3,5-Trimethylbenzene		ND		7.5	320
1,3-Dichlorobenzene		ND		6.2	320
1,3-Dichloropropane		ND		28	320
1,4-Dichlorobenzene		ND		10	320
2,2-Dichloropropane		ND		30	320
2-Butanone (MEK)		ND		56	1300
2-Chlorotoluene		ND		12	320
2-Hexanone		ND		26	1300
Allyl chloride		ND		69	650
4-Chlorotoluene		ND		13	320
4-Methyl-2-pentanone (MIBK)		ND		62	1300
Acetone		ND		220	1300
Benzene		ND		16	320
Bromobenzene		ND		17	320
Bromochloromethane		ND		17	320
Bromodichloromethane		ND		13	320
Bromoform		ND		25	320
Bromomethane		ND		38	320
Carbon disulfide		67	J	16	320
Carbon tetrachloride		ND		8.3	320
Chlorobenzene		ND		8.3	320
Chloroethane		ND		79	320
Chloroform		ND		11	320
Chloromethane		ND		18	320
cis-1,2-Dichloroethene		ND		8.9	320
cis-1,3-Dichloropropene		ND		10	320
Cyclohexane		ND		52	650
Chlorodibromomethane		ND		16	320
Dibromomethane		ND		18	320

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_4-6(20110824)**

Lab Sample ID: 240-3201-3 Date Sampled: 08/24/2011 0932
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140480.D
Dilution:	1.0			Initial Weight/Volume:	25.76 g
Analysis Date:	08/29/2011 1618			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		21	320
Dichlorofluoromethane		ND		32	650
Ethyl ether		ND		19	650
Ethylbenzene		ND		7.0	320
Hexachlorobutadiene		ND		18	320
Isopropylbenzene		ND		8.4	320
Methyl acetate		290	J	32	650
Methyl tert butyl ether		ND		9.2	1300
Methylcyclohexane		ND		16	650
Methylene Chloride		ND		100	320
m-Xylene & p-Xylene		ND		8.0	650
Naphthalene		ND		8.7	320
n-Butylbenzene		ND		10	320
N-Propylbenzene		ND		18	320
o-Xylene		ND		11	320
p-Isopropyltoluene		ND		6.2	320
sec-Butylbenzene		ND		6.1	320
Styrene		ND		7.2	320
tert-Butylbenzene		ND		8.4	320
Tetrachloroethene		ND		16	320
Tetrahydrofuran		120	J B *	63	1300
Toluene		ND		22	320
trans-1,2-Dichloroethene		ND		12	320
trans-1,3-Dichloropropene		ND		26	320
Trichloroethene		ND		13	320
Trichlorofluoromethane		ND		21	320
Vinyl chloride		ND		23	320

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		39 - 128
4-Bromofluorobenzene (Surr)	69		26 - 141
Dibromofluoromethane (Surr)	63		30 - 122
Toluene-d8 (Surr)	73		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_6-8(20110824)**

Lab Sample ID: 240-3201-4 Date Sampled: 08/24/2011 0942
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140481.D
Dilution:	1.0			Initial Weight/Volume:	25.79 g
Analysis Date:	08/29/2011 1640			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		47	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		21	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.7	300
1,2,4-Trimethylbenzene		ND		6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		99	J	12	300
1,2-Dichloropropane		ND		9.8	300
1,3,5-Trimethylbenzene		ND		6.9	300
1,3-Dichlorobenzene		ND		5.7	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.6	300
2,2-Dichloropropane		ND		27	300
2-Butanone (MEK)		ND		51	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		63	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		57	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		16	300
Bromochloromethane		ND		16	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		55	J	14	300
Carbon tetrachloride		ND		7.6	300
Chlorobenzene		ND		7.6	300
Chloroethane		ND		73	300
Chloroform		ND		11	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.2	300
cis-1,3-Dichloropropene		ND		9.4	300
Cyclohexane		ND		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_6-8(20110824)**

Lab Sample ID: 240-3201-4 Date Sampled: 08/24/2011 0942
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140481.D
Dilution:	1.0			Initial Weight/Volume:	25.79 g
Analysis Date:	08/29/2011 1640			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		ND		6.4	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.8	300
Methyl acetate		81	J	30	600
Methyl tert butyl ether		ND		8.5	1200
Methylcyclohexane		ND		14	600
Methylene Chloride		ND		92	300
m-Xylene & p-Xylene		ND		7.4	600
Naphthalene		ND		8.0	300
n-Butylbenzene		ND		9.6	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.7	300
sec-Butylbenzene		ND		5.6	300
Styrene		ND		6.7	300
tert-Butylbenzene		ND		7.8	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		120	J B *	59	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		21	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_8-10(20110824)**

Lab Sample ID: 240-3201-5 Date Sampled: 08/24/2011 1205
Client Matrix: Solid % Moisture: 12.8 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140471.D
Dilution:	12.5			Initial Weight/Volume:	26.02 g
Analysis Date:	08/29/2011 1306			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		130	3400
1,1,1-Trichloroethane		ND		290	3400
1,1,2,2-Tetrachloroethane		ND		120	3400
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		540	3400
1,1,2-Trichloroethane		ND		170	3400
1,1-Dichloroethane		ND		230	3400
1,1-Dichloroethene		ND		250	3400
1,1-Dichloropropene		ND		140	3400
1,2,3-Trichlorobenzene		ND		140	3400
1,2,3-Trichloropropane		ND		290	3400
1,2,4-Trichlorobenzene		ND		100	3400
1,2,4-Trimethylbenzene		110000		69	3400
1,2-Dibromo-3-Chloropropane		ND		690	6900
1,2-Dibromoethane		ND		140	3400
1,2-Dichlorobenzene		ND		120	3400
1,2-Dichloroethane		ND		140	3400
1,2-Dichloropropane		ND		110	3400
1,3,5-Trimethylbenzene		35000		80	3400
1,3-Dichlorobenzene		ND		66	3400
1,3-Dichloropropane		ND		300	3400
1,4-Dichlorobenzene		ND		110	3400
2,2-Dichloropropane		ND		320	3400
2-Butanone (MEK)		ND		590	14000
2-Chlorotoluene		ND		120	3400
2-Hexanone		ND		280	14000
Allyl chloride		ND		730	6900
4-Chlorotoluene		ND		140	3400
4-Methyl-2-pentanone (MIBK)		ND		660	14000
Acetone		ND		2300	14000
Benzene		15000		170	3400
Bromobenzene		ND		180	3400
Bromochloromethane		ND		180	3400
Bromodichloromethane		ND		140	3400
Bromoform		ND		260	3400
Bromomethane		ND		400	3400
Carbon disulfide		ND		170	3400
Carbon tetrachloride		ND		88	3400
Chlorobenzene		ND		88	3400
Chloroethane		ND		840	3400
Chloroform		ND		120	3400
Chloromethane		ND		190	3400
cis-1,2-Dichloroethene		ND		95	3400
cis-1,3-Dichloropropene		ND		110	3400
Cyclohexane		35000		550	6900
Chlorodibromomethane		ND		170	3400
Dibromomethane		ND		190	3400

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_8-10(20110824)**

Lab Sample ID: 240-3201-5 Date Sampled: 08/24/2011 1205
Client Matrix: Solid % Moisture: 12.8 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140471.D
Dilution:	12.5			Initial Weight/Volume:	26.02 g
Analysis Date:	08/29/2011 1306			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		220	3400
Dichlorofluoromethane		ND		340	6900
Ethyl ether		ND		210	6900
Ethylbenzene		70000		74	3400
Hexachlorobutadiene		ND		190	3400
Isopropylbenzene		4800		90	3400
Methyl acetate		ND		340	6900
Methyl tert butyl ether		ND		98	14000
Methylcyclohexane		36000		170	6900
Methylene Chloride		ND		1100	3400
m-Xylene & p-Xylene		240000		85	6900
Naphthalene		11000	B	92	3400
n-Butylbenzene		7200		110	3400
N-Propylbenzene		23000		190	3400
o-Xylene		87000		120	3400
p-Isopropyltoluene		740	J	66	3400
sec-Butylbenzene		1900	J	65	3400
Styrene		ND		77	3400
tert-Butylbenzene		ND		90	3400
Tetrachloroethene		ND		170	3400
Tetrahydrofuran		ND	*	670	14000
Toluene		120000		230	3400
trans-1,2-Dichloroethene		ND		130	3400
trans-1,3-Dichloropropene		ND		280	3400
Trichloroethene		ND		130	3400
Trichlorofluoromethane		ND		220	3400
Vinyl chloride		ND		250	3400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		39 - 128
4-Bromofluorobenzene (Surr)	138		26 - 141
Dibromofluoromethane (Surr)	94		30 - 122
Toluene-d8 (Surr)	119		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_5-7(20110824)**

Lab Sample ID: 240-3201-6 Date Sampled: 08/24/2011 1215
Client Matrix: Solid % Moisture: 14.6 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140472.D
Dilution:	5.0			Initial Weight/Volume:	26.41 g
Analysis Date:	08/29/2011 1327			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		50	1400
1,1,1-Trichloroethane		ND		120	1400
1,1,2,2-Tetrachloroethane		ND		49	1400
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		220	1400
1,1,2-Trichloroethane		ND		67	1400
1,1-Dichloroethane		ND		94	1400
1,1-Dichloroethene		ND		100	1400
1,1-Dichloropropene		ND		55	1400
1,2,3-Trichlorobenzene		ND		55	1400
1,2,3-Trichloropropane		ND		120	1400
1,2,4-Trichlorobenzene		ND		40	1400
1,2,4-Trimethylbenzene		31000		28	1400
1,2-Dibromo-3-Chloropropane		ND		280	2800
1,2-Dibromoethane		ND		55	1400
1,2-Dichlorobenzene		ND		48	1400
1,2-Dichloroethane		ND		55	1400
1,2-Dichloropropane		ND		45	1400
1,3,5-Trimethylbenzene		9700		32	1400
1,3-Dichlorobenzene		ND		27	1400
1,3-Dichloropropane		ND		120	1400
1,4-Dichlorobenzene		ND		44	1400
2,2-Dichloropropane		ND		130	1400
2-Butanone (MEK)		ND		240	5500
2-Chlorotoluene		ND		50	1400
2-Hexanone		ND		110	5500
Allyl chloride		ND		290	2800
4-Chlorotoluene		ND		55	1400
4-Methyl-2-pentanone (MIBK)		ND		270	5500
Acetone		ND		940	5500
Benzene		2900		67	1400
Bromobenzene		ND		72	1400
Bromochloromethane		ND		72	1400
Bromodichloromethane		ND		55	1400
Bromoform		ND		110	1400
Bromomethane		ND		160	1400
Carbon disulfide		ND		67	1400
Carbon tetrachloride		ND		35	1400
Chlorobenzene		ND		35	1400
Chloroethane		ND		340	1400
Chloroform		ND		49	1400
Chloromethane		ND		78	1400
cis-1,2-Dichloroethene		ND		38	1400
cis-1,3-Dichloropropene		ND		44	1400
Cyclohexane		11000		220	2800
Chlorodibromomethane		ND		67	1400
Dibromomethane		ND		78	1400

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_5-7(20110824)**

Lab Sample ID: 240-3201-6 Date Sampled: 08/24/2011 1215
Client Matrix: Solid % Moisture: 14.6 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140472.D
Dilution:	5.0			Initial Weight/Volume:	26.41 g
Analysis Date:	08/29/2011 1327			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		89	1400
Dichlorofluoromethane		ND		140	2800
Ethyl ether		ND		83	2800
Ethylbenzene		18000		30	1400
Hexachlorobutadiene		ND		78	1400
Isopropylbenzene		1300	J	36	1400
Methyl acetate		ND		140	2800
Methyl tert butyl ether		ND		39	5500
Methylcyclohexane		12000		67	2800
Methylene Chloride		ND		430	1400
m-Xylene & p-Xylene		61000		34	2800
Naphthalene		2900	B	37	1400
n-Butylbenzene		2200		44	1400
N-Propylbenzene		6500		78	1400
o-Xylene		21000		47	1400
p-Isopropyltoluene		220	J	27	1400
sec-Butylbenzene		570	J	26	1400
Styrene		ND		31	1400
tert-Butylbenzene		ND		36	1400
Tetrachloroethene		ND		67	1400
Tetrahydrofuran		ND	*	270	5500
Toluene		16000		94	1400
trans-1,2-Dichloroethene		ND		51	1400
trans-1,3-Dichloropropene		ND		110	1400
Trichloroethene		ND		54	1400
Trichlorofluoromethane		ND		89	1400
Vinyl chloride		ND		100	1400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		39 - 128
4-Bromofluorobenzene (Surr)	92		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	95		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_2-4(20110824)**

Lab Sample ID: 240-3201-7 Date Sampled: 08/24/2011 1440
Client Matrix: Solid % Moisture: 14.3 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140482.D
Dilution:	1.0			Initial Weight/Volume:	26.89 g
Analysis Date:	08/29/2011 1701			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.9	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.7	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.9	270
1,2,4-Trimethylbenzene		84	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.3	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.9	270
1,3,5-Trimethylbenzene		59	J	6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.8	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		1400		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.6	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		820		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_2-4(20110824)**

Lab Sample ID: 240-3201-7 Date Sampled: 08/24/2011 1440
Client Matrix: Solid % Moisture: 14.3 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140482.D
Dilution:	1.0			Initial Weight/Volume:	26.89 g
Analysis Date:	08/29/2011 1701			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		51	J	5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		30	J	7.1	270
Methyl acetate		81	J	27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		590		13	540
Methylene Chloride		100	J	84	270
m-Xylene & p-Xylene		620		6.7	540
Naphthalene		19	J B	7.3	270
n-Butylbenzene		ND		8.7	270
N-Propylbenzene		110	J	15	270
o-Xylene		82	J	9.2	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND	*	53	1100
Toluene		36	J	18	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_6-8(20110824)**

Lab Sample ID: 240-3201-8 Date Sampled: 08/24/2011 1450
Client Matrix: Solid % Moisture: 23.8 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140473.D
Dilution:	5.0			Initial Weight/Volume:	25.1 g
Analysis Date:	08/29/2011 1349			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		59	1600
1,1,1-Trichloroethane		ND		140	1600
1,1,2,2-Tetrachloroethane		ND		58	1600
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		250	1600
1,1,2-Trichloroethane		ND		78	1600
1,1-Dichloroethane		ND		110	1600
1,1-Dichloroethene		ND		120	1600
1,1-Dichloropropene		ND		65	1600
1,2,3-Trichlorobenzene		ND		65	1600
1,2,3-Trichloropropane		ND		140	1600
1,2,4-Trichlorobenzene		ND		48	1600
1,2,4-Trimethylbenzene		64000		33	1600
1,2-Dibromo-3-Chloropropane		ND		330	3300
1,2-Dibromoethane		ND		65	1600
1,2-Dichlorobenzene		ND		56	1600
1,2-Dichloroethane		ND		65	1600
1,2-Dichloropropane		ND		54	1600
1,3,5-Trimethylbenzene		20000		38	1600
1,3-Dichlorobenzene		ND		31	1600
1,3-Dichloropropane		ND		140	1600
1,4-Dichlorobenzene		ND		52	1600
2,2-Dichloropropane		ND		150	1600
2-Butanone (MEK)		ND		280	6500
2-Chlorotoluene		ND		59	1600
2-Hexanone		ND		130	6500
Allyl chloride		ND		350	3300
4-Chlorotoluene		ND		65	1600
4-Methyl-2-pentanone (MIBK)		ND		310	6500
Acetone		ND		1100	6500
Benzene		9200		78	1600
Bromobenzene		ND		85	1600
Bromochloromethane		ND		85	1600
Bromodichloromethane		ND		65	1600
Bromoform		ND		120	1600
Bromomethane		ND		190	1600
Carbon disulfide		ND		78	1600
Carbon tetrachloride		ND		42	1600
Chlorobenzene		ND		42	1600
Chloroethane		ND		400	1600
Chloroform		ND		58	1600
Chloromethane		ND		92	1600
cis-1,2-Dichloroethene		ND		45	1600
cis-1,3-Dichloropropene		ND		52	1600
Cyclohexane		24000		260	3300
Chlorodibromomethane		ND		78	1600
Dibromomethane		ND		92	1600

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_6-8(20110824)**

Lab Sample ID: 240-3201-8 Date Sampled: 08/24/2011 1450
Client Matrix: Solid % Moisture: 23.8 Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140473.D
Dilution:	5.0			Initial Weight/Volume:	25.1 g
Analysis Date:	08/29/2011 1349			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		100	1600
Dichlorofluoromethane		ND		160	3300
Ethyl ether		ND		98	3300
Ethylbenzene		36000		35	1600
Hexachlorobutadiene		ND		92	1600
Isopropylbenzene		2600		42	1600
Methyl acetate		ND		160	3300
Methyl tert butyl ether		ND		46	6500
Methylcyclohexane		19000		78	3300
Methylene Chloride		ND		500	1600
m-Xylene & p-Xylene		120000		41	3300
Naphthalene		6300	B	44	1600
n-Butylbenzene		4300		52	1600
N-Propylbenzene		13000		92	1600
o-Xylene		42000		56	1600
p-Isopropyltoluene		410	J	31	1600
sec-Butylbenzene		1100	J	31	1600
Styrene		ND		37	1600
tert-Butylbenzene		ND		42	1600
Tetrachloroethene		ND		78	1600
Tetrahydrofuran		ND	*	320	6500
Toluene		28000		110	1600
trans-1,2-Dichloroethene		ND		60	1600
trans-1,3-Dichloropropene		ND		130	1600
Trichloroethene		ND		63	1600
Trichlorofluoromethane		ND		100	1600
Vinyl chloride		ND		120	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		39 - 128
4-Bromofluorobenzene (Surr)	89		26 - 141
Dibromofluoromethane (Surr)	67		30 - 122
Toluene-d8 (Surr)	84		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **MB-001(20110824)**

Lab Sample ID: 240-3201-9 Date Sampled: 08/24/2011 0000
Client Matrix: Solid Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140483.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1722			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **MB-001(20110824)**

Lab Sample ID: 240-3201-9 Date Sampled: 08/24/2011 0000
Client Matrix: Solid Date Received: 08/25/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13470	Lab File ID:	140483.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1722			Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		92	J B *	49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		39 - 128
4-Bromofluorobenzene (Surr)	85		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	87		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_8-10(20110824)**

Lab Sample ID: 240-3201-5 Date Sampled: 08/24/2011 1205
Client Matrix: Solid % Moisture: 12.8 Date Received: 08/25/2011 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830029.D
Dilution:	5.0			Initial Weight/Volume:	30.04 g
Analysis Date:	08/30/2011 1918			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		4200		19	1900
Acenaphthene		120	J	19	1900
Acenaphthylene		ND		19	1900
Anthracene		160	J	19	1900
Benzo[a]anthracene		250	J	19	1900
Benzo[a]pyrene		200	J	19	1900
Benzo[b]fluoranthene		250	J	19	1900
Benzo[g,h,i]perylene		110	J	19	1900
Benzo[k]fluoranthene		160	J	19	1900
Chrysene		220	J	6.3	1900
Dibenz(a,h)anthracene		ND		19	1900
Fluoranthene		550	J	19	1900
Fluorene		140	J	19	1900
Indeno[1,2,3-cd]pyrene		95	J	19	1900
Naphthalene		3000		19	1900
Phenanthrene		510	J	19	1900
Pyrene		440	J	19	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	0	X	10 - 118
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	51		26 - 110
Nitrobenzene-d5 (Surr)	40		24 - 112
Phenol-d5 (Surr)	45		28 - 110
Terphenyl-d14 (Surr)	67		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_5-7(20110824)**

Lab Sample ID: 240-3201-6 Date Sampled: 08/24/2011 1215
Client Matrix: Solid % Moisture: 14.6 Date Received: 08/25/2011 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830028.D
Dilution:	5.0			Initial Weight/Volume:	29.99 g
Analysis Date:	08/30/2011 1901			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		1600	J	19	1900
Acenaphthene		180	J	19	1900
Acenaphthylene		48	J	19	1900
Anthracene		1000	J	19	1900
Benzo[a]anthracene		4500		19	1900
Benzo[a]pyrene		4300		19	1900
Benzo[b]fluoranthene		5200		19	1900
Benzo[g,h,i]perylene		2400		19	1900
Benzo[k]fluoranthene		3400		19	1900
Chrysene		4300		6.4	1900
Dibenz(a,h)anthracene		ND		19	1900
Fluoranthene		7400		19	1900
Fluorene		280	J	19	1900
Indeno[1,2,3-cd]pyrene		2400		19	1900
Naphthalene		1200	J	19	1900
Phenanthrene		3000		19	1900
Pyrene		5200		19	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	40		10 - 118
2-Fluorobiphenyl (Surr)	64		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
Nitrobenzene-d5 (Surr)	57		24 - 112
Phenol-d5 (Surr)	55		28 - 110
Terphenyl-d14 (Surr)	77		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_2-4(20110824)**

Lab Sample ID: 240-3201-7 Date Sampled: 08/24/2011 1440
Client Matrix: Solid % Moisture: 14.3 Date Received: 08/25/2011 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0830021.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	08/30/2011 1705			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		18	J	3.9	390
Acenaphthene		35	J	3.9	390
Acenaphthylene		4.2	J	3.9	390
Anthracene		66	J	3.9	390
Benzo[a]anthracene		170	J	3.9	390
Benzo[a]pyrene		150	J	3.9	390
Benzo[b]fluoranthene		170	J	3.9	390
Benzo[g,h,i]perylene		86	J	3.9	390
Benzo[k]fluoranthene		98	J	3.9	390
Chrysene		180	J	1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Fluoranthene		420		3.9	390
Fluorene		39	J	3.9	390
Indeno[1,2,3-cd]pyrene		72	J	3.9	390
Naphthalene		25	J	3.9	390
Phenanthrene		350	J	3.9	390
Pyrene		330	J	3.9	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	37		10 - 118
2-Fluorobiphenyl (Surr)	39		34 - 110
2-Fluorophenol (Surr)	42		26 - 110
Nitrobenzene-d5 (Surr)	35		24 - 112
Phenol-d5 (Surr)	41		28 - 110
Terphenyl-d14 (Surr)	50		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_6-8(20110824)**

Lab Sample ID: 240-3201-8 Date Sampled: 08/24/2011 1450
Client Matrix: Solid % Moisture: 23.8 Date Received: 08/25/2011 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13389	Lab File ID:	0901013.D
Dilution:	2.0			Initial Weight/Volume:	30.05 g
Analysis Date:	09/01/2011 1305			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		2500		8.6	860
Acenaphthene		33	J	8.6	860
Acenaphthylene		ND		8.6	860
Anthracene		ND		8.6	860
Benzo[a]anthracene		ND		8.6	860
Benzo[a]pyrene		ND		8.6	860
Benzo[b]fluoranthene		ND		8.6	860
Benzo[g,h,i]perylene		ND		8.6	860
Benzo[k]fluoranthene		ND		8.6	860
Chrysene		ND		2.9	860
Dibenz(a,h)anthracene		ND		8.6	860
Fluoranthene		22	J	8.6	860
Fluorene		45	J	8.6	860
Indeno[1,2,3-cd]pyrene		ND		8.6	860
Naphthalene		1900		8.6	860
Phenanthrene		69	J	8.6	860
Pyrene		25	J	8.6	860

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	57		10 - 118
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	50		26 - 110
Nitrobenzene-d5 (Surr)	49		24 - 112
Phenol-d5 (Surr)	46		28 - 110
Terphenyl-d14 (Surr)	74		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_5-7(20110823)**

Lab Sample ID: 240-3201-1 Date Sampled: 08/23/2011 1640
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090221.D
Dilution:	1.0			Initial Weight/Volume:	28.8 g
Analysis Date:	09/02/2011 2230			Final Weight/Volume:	28.8 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.41	13

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_8-10(20110823)**

Lab Sample ID: 240-3201-2 Date Sampled: 08/23/2011 1650
Client Matrix: Solid % Moisture: 23.4 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090222.D
Dilution:	1.0			Initial Weight/Volume:	25.48 g
Analysis Date:	09/02/2011 2312			Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.41	13

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_4-6(20110824)**

Lab Sample ID: 240-3201-3 Date Sampled: 08/24/2011 0932
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090223.D
Dilution:	1.0			Initial Weight/Volume:	25.42 g
Analysis Date:	09/02/2011 2353			Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.42	13

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_6-8(20110824)**

Lab Sample ID: 240-3201-4 Date Sampled: 08/24/2011 0942
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090224.D
Dilution:	1.0			Initial Weight/Volume:	27.05 g
Analysis Date:	09/03/2011 0032			Final Weight/Volume:	27.1 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.39	12

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_8-10(20110824)**

Lab Sample ID: 240-3201-5 Date Sampled: 08/24/2011 1205
Client Matrix: Solid % Moisture: 12.8 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090225.D
Dilution:	100			Initial Weight/Volume:	23.79 g
Analysis Date:	09/03/2011 0111			Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		4000		39	1200

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_5-7(20110824)**

Lab Sample ID: 240-3201-6 Date Sampled: 08/24/2011 1215
Client Matrix: Solid % Moisture: 14.6 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090226.D
Dilution:	20			Initial Weight/Volume:	28.03 g
Analysis Date:	09/03/2011 0153			Final Weight/Volume:	28.0 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		820		7.5	230

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_2-4(20110824)**

Lab Sample ID: 240-3201-7 Date Sampled: 08/24/2011 1440
Client Matrix: Solid % Moisture: 14.3 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090227.D
Dilution:	1.0			Initial Weight/Volume:	26.21 g
Analysis Date:	09/03/2011 0233			Final Weight/Volume:	26.2 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		57		0.37	12

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_6-8(20110824)**

Lab Sample ID: 240-3201-8 Date Sampled: 08/24/2011 1450
Client Matrix: Solid % Moisture: 23.8 Date Received: 08/25/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090228.D
Dilution:	50			Initial Weight/Volume:	24.84 g
Analysis Date:	09/03/2011 0312			Final Weight/Volume:	25.0 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		2300		21	660

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_5-7(20110823)**

Lab Sample ID: 240-3201-1 Date Sampled: 08/23/2011 1640
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000016.D
Dilution:	1.0			Initial Weight/Volume:	28.99 g
Analysis Date:	08/29/2011 1925			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_8-10(20110823)**

Lab Sample ID: 240-3201-2 Date Sampled: 08/23/2011 1650
Client Matrix: Solid % Moisture: 23.4 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000017.D
Dilution:	1.0			Initial Weight/Volume:	27.60 g
Analysis Date:	08/29/2011 1949			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_4-6(20110824)**

Lab Sample ID: 240-3201-3 Date Sampled: 08/24/2011 0932
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000018.D
Dilution:	1.0			Initial Weight/Volume:	26.71 g
Analysis Date:	08/29/2011 2014			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_6-8(20110824)**

Lab Sample ID: 240-3201-4 Date Sampled: 08/24/2011 0942
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000019.D
Dilution:	1.0			Initial Weight/Volume:	28.40 g
Analysis Date:	08/29/2011 2038			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_8-10(20110824)**

Lab Sample ID: 240-3201-5 Date Sampled: 08/24/2011 1205
Client Matrix: Solid % Moisture: 12.8 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000020.D
Dilution:	1.0			Initial Weight/Volume:	26.99 g
Analysis Date:	08/29/2011 2102			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		12	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_5-7(20110824)**

Lab Sample ID: 240-3201-6 Date Sampled: 08/24/2011 1215
Client Matrix: Solid % Moisture: 14.6 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000021.D
Dilution:	1.0			Initial Weight/Volume:	27.74 g
Analysis Date:	08/29/2011 2126			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		42	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_2-4(20110824)**

Lab Sample ID: 240-3201-7 Date Sampled: 08/24/2011 1440
Client Matrix: Solid % Moisture: 14.3 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000022.D
Dilution:	1.0			Initial Weight/Volume:	28.04 g
Analysis Date:	08/29/2011 2150			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.2	10

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_6-8(20110824)**

Lab Sample ID: 240-3201-8 Date Sampled: 08/24/2011 1450
Client Matrix: Solid % Moisture: 23.8 Date Received: 08/25/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-13352	Lab File ID:	P14R0000023.D
Dilution:	1.0			Initial Weight/Volume:	27.53 g
Analysis Date:	08/29/2011 2215			Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		26	*	1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_5-7(20110823)**

Lab Sample ID: 240-3201-1 Date Sampled: 08/23/2011 1640
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	08/29/2011 1359			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		7.5		0.21	0.34

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-119_8-10(20110823)**

Lab Sample ID: 240-3201-2 Date Sampled: 08/23/2011 1650
Client Matrix: Solid % Moisture: 23.4 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/29/2011 1331			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		3.9		0.24	0.38

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_4-6(20110824)**

Lab Sample ID: 240-3201-3 Date Sampled: 08/24/2011 0932
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	08/29/2011 1257			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		11		0.24	0.38

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-120_6-8(20110824)**

Lab Sample ID: 240-3201-4 Date Sampled: 08/24/2011 0942
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.17 g
Analysis Date:	08/29/2011 1342			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		5.8		0.20	0.32

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_8-10(20110824)**

Lab Sample ID: 240-3201-5 Date Sampled: 08/24/2011 1205
Client Matrix: Solid % Moisture: 12.8 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	08/29/2011 1336			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		32		0.20	0.31

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-121_5-7(20110824)**

Lab Sample ID: 240-3201-6 Date Sampled: 08/24/2011 1215
Client Matrix: Solid % Moisture: 14.6 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/29/2011 1348			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		31		0.22	0.35

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_2-4(20110824)**

Lab Sample ID: 240-3201-7 Date Sampled: 08/24/2011 1440
Client Matrix: Solid % Moisture: 14.3 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Analysis Date:	08/29/2011 1405			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		14		0.19	0.29

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Client Sample ID: **ASB-122_6-8(20110824)**

Lab Sample ID: 240-3201-8 Date Sampled: 08/24/2011 1450
Client Matrix: Solid % Moisture: 23.8 Date Received: 08/25/2011 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13685	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	08/29/2011 1353			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		8.0		0.22	0.34

General Chemistry

Client Sample ID: **ASB-119_5-7(20110823)**

Lab Sample ID: 240-3201-1 Date Sampled: 08/23/2011 1640

Client Matrix: Solid Date Received: 08/25/2011 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-119_8-10(20110823)**

Lab Sample ID: 240-3201-2 Date Sampled: 08/23/2011 1650

Client Matrix: Solid Date Received: 08/25/2011 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-120_4-6(20110824)**

Lab Sample ID: 240-3201-3 Date Sampled: 08/24/2011 0932

Client Matrix: Solid Date Received: 08/25/2011 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-120_6-8(20110824)**

Lab Sample ID: 240-3201-4 Date Sampled: 08/24/2011 0942

Client Matrix: Solid Date Received: 08/25/2011 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13210	Analysis Date: 08/25/2011 1640						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-13470					
LCS 240-13470/2-A	Lab Control Sample	T	Solid	5035	
MB 240-13470/1-A	Method Blank	T	Solid	5035	
240-3201-1	ASB-119_5-7(20110823)	T	Solid	5035	
240-3201-2	ASB-119_8-10(20110823)	T	Solid	5035	
240-3201-3	ASB-120_4-6(20110824)	T	Solid	5035	
240-3201-4	ASB-120_6-8(20110824)	T	Solid	5035	
240-3201-5	ASB-121_8-10(20110824)	T	Solid	5035	
240-3201-6	ASB-121_5-7(20110824)	T	Solid	5035	
240-3201-7	ASB-122_2-4(20110824)	T	Solid	5035	
240-3201-8	ASB-122_6-8(20110824)	T	Solid	5035	
240-3201-9	MB-001(20110824)	T	Solid	5035	
Analysis Batch:240-13567					
LCS 240-13470/2-A	Lab Control Sample	T	Solid	8260B	240-13470
MB 240-13470/1-A	Method Blank	T	Solid	8260B	240-13470
240-3201-1	ASB-119_5-7(20110823)	T	Solid	8260B	240-13470
240-3201-2	ASB-119_8-10(20110823)	T	Solid	8260B	240-13470
240-3201-3	ASB-120_4-6(20110824)	T	Solid	8260B	240-13470
240-3201-4	ASB-120_6-8(20110824)	T	Solid	8260B	240-13470
240-3201-5	ASB-121_8-10(20110824)	T	Solid	8260B	240-13470
240-3201-6	ASB-121_5-7(20110824)	T	Solid	8260B	240-13470
240-3201-7	ASB-122_2-4(20110824)	T	Solid	8260B	240-13470
240-3201-8	ASB-122_6-8(20110824)	T	Solid	8260B	240-13470
240-3201-9	MB-001(20110824)	T	Solid	8260B	240-13470

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-13389					
LCS 240-13389/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-13389/21-A	Method Blank	T	Solid	3540C	
240-3199-C-5-C MS	Matrix Spike	T	Solid	3540C	
240-3199-C-5-D MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3201-5	ASB-121_8-10(20110824)	T	Solid	3540C	
240-3201-6	ASB-121_5-7(20110824)	T	Solid	3540C	
240-3201-7	ASB-122_2-4(20110824)	T	Solid	3540C	
240-3201-8	ASB-122_6-8(20110824)	T	Solid	3540C	
Analysis Batch:240-13768					
LCS 240-13389/22-A	Lab Control Sample	T	Solid	8270C	240-13389
MB 240-13389/21-A	Method Blank	T	Solid	8270C	240-13389
240-3199-C-5-C MS	Matrix Spike	T	Solid	8270C	240-13389
240-3199-C-5-D MSD	Matrix Spike Duplicate	T	Solid	8270C	240-13389
240-3201-5	ASB-121_8-10(20110824)	T	Solid	8270C	240-13389
240-3201-6	ASB-121_5-7(20110824)	T	Solid	8270C	240-13389
240-3201-7	ASB-122_2-4(20110824)	T	Solid	8270C	240-13389
Analysis Batch:240-14003					
240-3201-8	ASB-122_6-8(20110824)	T	Solid	8270C	240-13389

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-13772					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-13772/1-A	Method Blank	T	Solid	5035	
240-3201-1	ASB-119_5-7(20110823)	T	Solid	5035	
240-3201-2	ASB-119_8-10(20110823)	T	Solid	5035	
240-3201-3	ASB-120_4-6(20110824)	T	Solid	5035	
240-3201-4	ASB-120_6-8(20110824)	T	Solid	5035	
240-3201-5	ASB-121_8-10(20110824)	T	Solid	5035	
240-3201-6	ASB-121_5-7(20110824)	T	Solid	5035	
240-3201-7	ASB-122_2-4(20110824)	T	Solid	5035	
240-3201-8	ASB-122_6-8(20110824)	T	Solid	5035	
Analysis Batch:240-14219					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	WI-GRO	240-13772
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-13772
MB 240-13772/1-A	Method Blank	T	Solid	WI-GRO	240-13772
240-3201-1	ASB-119_5-7(20110823)	T	Solid	WI-GRO	240-13772
240-3201-2	ASB-119_8-10(20110823)	T	Solid	WI-GRO	240-13772
240-3201-3	ASB-120_4-6(20110824)	T	Solid	WI-GRO	240-13772
240-3201-4	ASB-120_6-8(20110824)	T	Solid	WI-GRO	240-13772
240-3201-5	ASB-121_8-10(20110824)	T	Solid	WI-GRO	240-13772
240-3201-6	ASB-121_5-7(20110824)	T	Solid	WI-GRO	240-13772
240-3201-7	ASB-122_2-4(20110824)	T	Solid	WI-GRO	240-13772
240-3201-8	ASB-122_6-8(20110824)	T	Solid	WI-GRO	240-13772

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13352					
LCS 240-13352/18-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-13352/19-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-13352/17-A	Method Blank	T	Solid	WI DRO PREP	
240-3201-1	ASB-119_5-7(20110823)	T	Solid	WI DRO PREP	
240-3201-2	ASB-119_8-10(20110823)	T	Solid	WI DRO PREP	
240-3201-3	ASB-120_4-6(20110824)	T	Solid	WI DRO PREP	
240-3201-4	ASB-120_6-8(20110824)	T	Solid	WI DRO PREP	
240-3201-5	ASB-121_8-10(20110824)	T	Solid	WI DRO PREP	
240-3201-6	ASB-121_5-7(20110824)	T	Solid	WI DRO PREP	
240-3201-7	ASB-122_2-4(20110824)	T	Solid	WI DRO PREP	
240-3201-8	ASB-122_6-8(20110824)	T	Solid	WI DRO PREP	
Analysis Batch:240-13596					
LCS 240-13352/18-A	Lab Control Sample	T	Solid	WI-DRO	240-13352
LCSD 240-13352/19-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-13352
MB 240-13352/17-A	Method Blank	T	Solid	WI-DRO	240-13352
240-3201-1	ASB-119_5-7(20110823)	T	Solid	WI-DRO	240-13352
240-3201-2	ASB-119_8-10(20110823)	T	Solid	WI-DRO	240-13352
240-3201-3	ASB-120_4-6(20110824)	T	Solid	WI-DRO	240-13352
240-3201-4	ASB-120_6-8(20110824)	T	Solid	WI-DRO	240-13352
240-3201-5	ASB-121_8-10(20110824)	T	Solid	WI-DRO	240-13352
240-3201-6	ASB-121_5-7(20110824)	T	Solid	WI-DRO	240-13352
240-3201-7	ASB-122_2-4(20110824)	T	Solid	WI-DRO	240-13352
240-3201-8	ASB-122_6-8(20110824)	T	Solid	WI-DRO	240-13352

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13390					
LCS 240-13390/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-13390/1-A	Method Blank	T	Solid	3050B	
240-3201-1	ASB-119_5-7(20110823)	T	Solid	3050B	
240-3201-2	ASB-119_8-10(20110823)	T	Solid	3050B	
240-3201-3	ASB-120_4-6(20110824)	T	Solid	3050B	
240-3201-3MS	Matrix Spike	T	Solid	3050B	
240-3201-3MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3201-4	ASB-120_6-8(20110824)	T	Solid	3050B	
240-3201-5	ASB-121_8-10(20110824)	T	Solid	3050B	
240-3201-6	ASB-121_5-7(20110824)	T	Solid	3050B	
240-3201-7	ASB-122_2-4(20110824)	T	Solid	3050B	
240-3201-8	ASB-122_6-8(20110824)	T	Solid	3050B	
Analysis Batch:240-13685					
LCS 240-13390/2-A	Lab Control Sample	T	Solid	6010B	240-13390
MB 240-13390/1-A	Method Blank	T	Solid	6010B	240-13390
240-3201-1	ASB-119_5-7(20110823)	T	Solid	6010B	240-13390
240-3201-2	ASB-119_8-10(20110823)	T	Solid	6010B	240-13390
240-3201-3	ASB-120_4-6(20110824)	T	Solid	6010B	240-13390
240-3201-3MS	Matrix Spike	T	Solid	6010B	240-13390
240-3201-3MSD	Matrix Spike Duplicate	T	Solid	6010B	240-13390
240-3201-4	ASB-120_6-8(20110824)	T	Solid	6010B	240-13390
240-3201-5	ASB-121_8-10(20110824)	T	Solid	6010B	240-13390
240-3201-6	ASB-121_5-7(20110824)	T	Solid	6010B	240-13390
240-3201-7	ASB-122_2-4(20110824)	T	Solid	6010B	240-13390
240-3201-8	ASB-122_6-8(20110824)	T	Solid	6010B	240-13390

Report Basis
T = Total

General Chemistry

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Analysis Batch:240-13210					
240-3201-1	ASB-119_5-7(20110823)	T	Solid	Moisture	
240-3201-2	ASB-119_8-10(20110823)	T	Solid	Moisture	
240-3201-3	ASB-120_4-6(20110824)	T	Solid	Moisture	
240-3201-4	ASB-120_6-8(20110824)	T	Solid	Moisture	
240-3201-A-8 DUDU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3201-1	ASB-119_5-7(20110823)	78	73	61	73
240-3201-2	ASB-119_8-10(20110823)	79	73	65	77
240-3201-3	ASB-120_4-6(20110824)	80	69	63	73
240-3201-4	ASB-120_6-8(20110824)	81	73	65	76
240-3201-5	ASB-121_8-10(20110824)	109	138	94	119
240-3201-6	ASB-121_5-7(20110824)	87	92	71	95
240-3201-7	ASB-122_2-4(20110824)	78	73	64	77
240-3201-8	ASB-122_6-8(20110824)	80	89	67	84
240-3201-9	MB-001(20110824)	93	85	71	87
MB 240-13470/1-A		87	83	70	86
LCS 240-13470/2-A		89	88	77	85

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3201-5	ASB-121_8-10(20110824)	0X	52	51	40	45	67
240-3201-6	ASB-121_5-7(20110824)	40	64	63	57	55	77
240-3201-7	ASB-122_2-4(20110824)	37	39	42	35	41	50
240-3201-8	ASB-122_6-8(20110824)	57	52	50	49	46	74
MB 240-13389/21-A		42	45	54	46	53	61
LCS 240-13389/22-A		67	66	68	64	72	84
240-3199-C-5-C MS		49	50	57	50	60	63
240-3199-C-5-D MSD		58	57	49	44	57	75

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method Blank - Batch: 240-13470 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-13470/1-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140469.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1221	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method Blank - Batch: 240-13470

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-13470/1-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140469.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1221	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	8.32	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	94.0	J	49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	83	26 - 141
Dibromofluoromethane (Surr)	70	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Control Sample - Batch: 240-13470

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13470/2-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1159	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	402	80	27 - 121	
1,1,1-Trichloroethane	500	396	79	38 - 122	
1,1,2,2-Tetrachloroethane	500	575	115	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	442	88	48 - 151	
1,1,2-Trichloroethane	500	550	110	74 - 114	
1,1-Dichloroethane	500	451	90	63 - 117	
1,1-Dichloroethene	500	458	92	44 - 143	
1,1-Dichloropropene	500	468	94	60 - 123	
1,2,3-Trichlorobenzene	500	428	86	43 - 129	
1,2,3-Trichloropropane	500	600	120	74 - 124	
1,2,4-Trichlorobenzene	500	399	80	41 - 135	
1,2,4-Trimethylbenzene	500	470	94	62 - 133	
1,2-Dibromo-3-Chloropropane	500	427	85	10 - 129	J
1,2-Dibromoethane	500	510	102	47 - 123	
1,2-Dichlorobenzene	500	485	97	68 - 118	
1,2-Dichloroethane	500	491	98	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	445	89	60 - 130	
1,3-Dichlorobenzene	500	482	96	66 - 121	
1,3-Dichloropropane	500	550	110	74 - 119	
1,4-Dichlorobenzene	500	482	96	65 - 119	
2,2-Dichloropropane	500	346	69	25 - 123	
2-Butanone (MEK)	1000	1160	116	10 - 199	
2-Chlorotoluene	500	474	95	68 - 122	
2-Hexanone	1000	1300	130	43 - 130	
4-Chlorotoluene	500	484	97	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1170	117	49 - 121	
Acetone	1000	885	89	16 - 156	J
Benzene	500	492	98	70 - 117	
Bromobenzene	500	505	101	72 - 120	
Bromochloromethane	500	449	90	56 - 128	
Bromodichloromethane	500	398	80	28 - 123	
Bromoform	500	482	96	10 - 117	
Bromomethane	500	298	60	10 - 114	
Carbon disulfide	500	302	60	10 - 132	
Carbon tetrachloride	500	363	73	29 - 118	
Chlorobenzene	500	476	95	71 - 116	
Chloroethane	500	433	87	10 - 120	
Chloroform	500	461	92	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	446	89	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Control Sample - Batch: 240-13470

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13470/2-A	Analysis Batch:	240-13567	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13470	Lab File ID:	140468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1159	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/26/2011 1758				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	399	80	25 - 120	
Cyclohexane	500	418	84	40 - 120	J
Chlorodibromomethane	500	374	75	22 - 113	
Dibromomethane	500	515	103	68 - 118	
Dichlorodifluoromethane	500	271	54	10 - 110	
Ethyl ether	500	454	91	70 - 130	J
Ethylbenzene	500	463	93	66 - 119	
Hexachlorobutadiene	500	408	82	34 - 135	
Isopropylbenzene	500	439	88	61 - 123	
Methyl acetate	500	610	122	44 - 173	
Methyl tert butyl ether	500	500	100	34 - 157	J
Methylcyclohexane	500	441	88	41 - 133	J
Methylene Chloride	500	449	90	27 - 172	
m-Xylene & p-Xylene	1000	945	95	67 - 118	
Naphthalene	500	445	89	37 - 126	
n-Butylbenzene	500	452	90	51 - 137	
N-Propylbenzene	500	487	97	64 - 130	
o-Xylene	500	470	94	68 - 120	
p-Isopropyltoluene	500	452	90	56 - 136	
sec-Butylbenzene	500	442	88	58 - 131	
Styrene	500	437	87	60 - 120	
tert-Butylbenzene	500	437	87	58 - 128	
Tetrachloroethene	500	459	92	58 - 131	
Tetrahydrofuran	500	670	134	70 - 130	J *
Toluene	500	496	99	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	416	83	22 - 122	
Trichloroethene	500	485	97	59 - 124	
Trichlorofluoromethane	500	319	64	17 - 145	
Vinyl chloride	500	393	79	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	88	26 - 141
Dibromofluoromethane (Surr)	77	30 - 122
Toluene-d8 (Surr)	85	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method Blank - Batch: 240-13389

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-13389/21-A	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1221	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42	10 - 118
2-Fluorobiphenyl (Surr)	45	34 - 110
2-Fluorophenol (Surr)	54	26 - 110
Nitrobenzene-d5 (Surr)	46	24 - 112
Phenol-d5 (Surr)	53	28 - 110
Terphenyl-d14 (Surr)	61	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Lab Control Sample - Batch: 240-13389

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-13389/22-A	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1238	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	464	70	46 - 110	
Acenaphthene	667	482	72	46 - 110	
Acenaphthylene	667	481	72	47 - 110	
Anthracene	667	532	80	56 - 111	
Benzo[a]anthracene	667	585	88	58 - 111	
Benzo[a]pyrene	667	489	73	44 - 115	
Benzo[b]fluoranthene	667	733	110	43 - 124	
Benzo[g,h,i]perylene	667	580	87	44 - 120	
Benzo[k]fluoranthene	667	384	58	38 - 122	
Chrysene	667	489	73	56 - 111	
Dibenz(a,h)anthracene	667	566	85	45 - 122	
Fluoranthene	667	554	83	55 - 118	
Fluorene	667	514	77	51 - 110	
Indeno[1,2,3-cd]pyrene	667	565	85	45 - 121	
Naphthalene	667	429	64	42 - 110	
Phenanthrene	667	517	77	54 - 110	
Pyrene	667	525	79	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	67	10 - 118
2-Fluorobiphenyl (Surr)	66	34 - 110
2-Fluorophenol (Surr)	68	26 - 110
Nitrobenzene-d5 (Surr)	64	24 - 112
Phenol-d5 (Surr)	72	28 - 110
Terphenyl-d14 (Surr)	84	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13389

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3199-C-5-C MS	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/30/2011 1558			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3199-C-5-D MSD	Analysis Batch:	240-13768	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13389	Lab File ID:	0830018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	08/30/2011 1615			Final Weight/Volume:	2 mL
Prep Date:	08/26/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	55	59	10 - 200	7	30		
Acenaphthene	55	66	10 - 200	19	30		
Acenaphthylene	54	64	10 - 200	17	30		
Anthracene	60	70	10 - 200	15	30		
Benzo[a]anthracene	60	68	10 - 200	14	30		
Benzo[a]pyrene	53	62	10 - 200	16	30		
Benzo[b]fluoranthene	56	71	10 - 200	24	30		
Benzo[g,h,i]perylene	62	72	10 - 200	15	30		
Benzo[k]fluoranthene	62	65	10 - 200	6	30		
Chrysene	57	69	10 - 200	19	30		
Dibenz(a,h)anthracene	62	0	10 - 200	NC	30		F
Fluoranthene	60	72	10 - 200	17	30		
Fluorene	57	68	10 - 187	18	30		
Indeno[1,2,3-cd]pyrene	60	69	10 - 200	15	30		
Naphthalene	49	48	10 - 200	2	30	J	J
Phenanthrene	60	70	10 - 200	15	30		
Pyrene	58	70	10 - 200	17	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	49	58	10 - 118
2-Fluorobiphenyl (Surr)	50	57	34 - 110
2-Fluorophenol (Surr)	57	49	26 - 110
Nitrobenzene-d5 (Surr)	50	44	24 - 112
Phenol-d5 (Surr)	60	57	28 - 110
Terphenyl-d14 (Surr)	63	75	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method Blank - Batch: 240-13772 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-13772/1-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090215.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1825	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13772 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-13772/2-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1906	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13772/3-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/03/2011 0628	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	91	93	80 - 120	2	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method Blank - Batch: 240-13352

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-13352/17-A	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-13352	Lab File ID:	P14R0000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1523	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13352

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-13352/18-A	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-13352	Lab File ID:	P14R0000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 1548	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13352/19-A	Analysis Batch:	240-13596	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-13352	Lab File ID:	P14R0000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/29/2011 2239	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/26/2011 0742			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	59	71	70 - 120	18	20	*	

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Method Blank - Batch: 240-13390

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-13390/1-A	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/29/2011 1245	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Lead	ND		0.19	0.30

Lab Control Sample - Batch: 240-13390

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-13390/2-A	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/29/2011 1251	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	50.0	48.5	97	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13390

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3201-3	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/29/2011 1319			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3201-3	Analysis Batch:	240-13685	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13390	Lab File ID:	I50829A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/29/2011 1325			Final Weight/Volume:	100 mL
Prep Date:	08/26/2011 0917				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	93	95	75 - 125	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3201-1

Duplicate - Batch: 240-13210

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3201-A-8 DU	Analysis Batch:	240-13210	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/25/2011 1640	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	76	79	3	20	
Percent Moisture	24	21	12	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3201-1

Login Number: 3201

List Source: TestAmerica North Canton

List Number: 1

Creator: Maddux, Ann

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6, 1.8, 1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3250-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/15/2011 4:40 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/15/2011

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3250-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/24/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.3, 2.4, 2.8, 2.9, and 3.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-115_4-9(20110822) (240-3250-1) and TB-001(20110823) (240-3250-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/04/2011.

Methylene Chloride was detected in method blank MB 240-14331/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Refer to the QC report for details.

Sample ASB-115_4-9(20110822) (240-3250-1)[250X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): ASB-115_4-9(20110822) (240-3250-1).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample ASB-115_4-9(20110822) (240-3250-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/06/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out

and no corrective action is required.

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for ASB-115_4-9(20110822) (240-3250-1).

Refer to the QC report for details.

Sample ASB-115_4-9(20110822) (240-3250-1)[7X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14374/8270C.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Sample ASB-115_4-9(20110822) (240-3250-1) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/08/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-13555/5-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

Sample ASB-115_4-9(20110822) (240-3250-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14626/Wisconsin DNR Modified DRO.

No other difficulties were encountered during the WI-DRO analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Sample ASB-115_4-9(20110822) (240-3250-1) was analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/02/2011.

Sample ASB-115_4-9(20110822) (240-3250-1)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-GRO: The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): ASB-115_4-9(20110822) (240-3250-1).

Method(s) WI-GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14168/WI-GRO.

No difficulties were encountered during the WI-GRO analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB-115_4-9(20110822) (240-3250-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/08/2011 and 09/09/2011.

Method(s) 8082: Surrogate recovery for the following sample was outside control limits: ASB-115_4-9(20110822) (240-3250-1). The LCS for the original batch 13476 was not prepped with 0.25 mL of the extraction spike. Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data are reported.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14662 and 14744/8082.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample ASB-115_4-9(20110822) (240-3250-1) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 08/30/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Barium was detected in method blank MB 240-13582/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

DISSOLVED MERCURY (CVAA)

Sample ASB-115_4-9(20110822) (240-3250-1) was analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3250-1	**ASB-115_4-9(20110822)**					
1,2,4-Trimethylbenzene		30	J	250	ug/L	8260B
1,3,5-Trimethylbenzene		29	J	250	ug/L	8260B
Benzene		6200		250	ug/L	8260B
Cyclohexane		480		250	ug/L	8260B
Ethylbenzene		770		250	ug/L	8260B
m-Xylene & p-Xylene		140	J	500	ug/L	8260B
Isopropylbenzene		79	J	250	ug/L	8260B
N-Propylbenzene		360		250	ug/L	8260B
Methylene Chloride		120	J B	250	ug/L	8260B
Methylcyclohexane		150	J	250	ug/L	8260B
Acenaphthene		1.6	J	65	ug/L	8270C
2-Methylnaphthalene		230		65	ug/L	8270C
Naphthalene		130		65	ug/L	8270C
Phenanthrene		1.7	J	65	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		24000		5000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		3.4		0.50	mg/L	WI-DRO
Dissolved						
Barium		340	B	200	ug/L	6010B
Chromium		2.4	J	10	ug/L	6010B
Arsenic		7.6	J	10	ug/L	6010B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method	Analyst	Analyst ID
SW846 8260B	Quayle, Rick	RQ
SW846 8270C	Ulman, Mark	MU
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3250-1	ASB-115_4-9(20110822)	Water	08/22/2011 1240	08/24/2011 0930
240-3250-2TB	TB-001(20110823)	Water	08/23/2011 0000	08/24/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9379.D
Dilution:	250			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1727			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1727				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		58	250
1,1,1-Trichloroethane	ND		55	250
1,1,2,2-Tetrachloroethane	ND		45	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		70	250
1,1,2-Trichloroethane	ND		68	250
1,1-Dichloroethane	ND		38	250
1,1-Dichloroethene	ND		48	250
1,1-Dichloropropene	ND		33	250
1,2,3-Trichlorobenzene	ND		43	250
1,2,3-Trichloropropane	ND		110	250
1,2,4-Trichlorobenzene	ND		38	250
1,2,4-Trimethylbenzene	30	J	30	250
1,2-Dibromo-3-Chloropropane	ND		170	500
1,2-Dichlorobenzene	ND		33	250
1,2-Dichloroethane	ND		55	250
1,2-Dichloropropane	ND		45	250
1,3,5-Trimethylbenzene	29	J	24	250
1,3-Dichlorobenzene	ND		35	250
1,3-Dichloropropane	ND		40	250
1,4-Dichlorobenzene	ND		33	250
Allyl chloride	ND		88	500
2,2-Dichloropropane	ND		33	250
2-Chlorotoluene	ND		28	250
2-Hexanone	ND		100	2500
Bromobenzene	ND		33	250
Bromochloromethane	ND		73	250
4-Chlorotoluene	ND		45	250
p-Isopropyltoluene	ND		30	250
Acetone	ND		280	2500
Benzene	6200		33	250
Bromoform	ND		160	250
Bromomethane	ND		100	250
Carbon disulfide	ND		33	250
Carbon tetrachloride	ND		33	250
Chlorobenzene	ND		38	250
Chloroethane	ND		73	250
Chloroform	ND		40	250
Chloromethane	ND		75	250
cis-1,2-Dichloroethene	ND		43	250
cis-1,3-Dichloropropene	ND		35	250
Cyclohexane	480		30	250
Hexachlorobutadiene	ND		75	250
Dibromomethane	ND		70	250
Bromodichloromethane	ND		38	250
Dichlorodifluoromethane	ND		78	250
Dichlorofluoromethane	ND		110	250

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9379.D
Dilution:	250			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1727			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1727				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		78	250
Ethylbenzene	770		43	250
1,2-Dibromoethane	ND		60	250
Naphthalene	ND		60	250
m-Xylene & p-Xylene	140	J	60	500
n-Butylbenzene	ND		30	250
Isopropylbenzene	79	J	33	250
Methyl acetate	ND		95	2500
N-Propylbenzene	360		35	250
2-Butanone (MEK)	ND		140	2500
4-Methyl-2-pentanone (MIBK)	ND		80	1300
sec-Butylbenzene	ND		33	250
Methyl tert butyl ether	ND		43	500
Methylene Chloride	120	J B	83	250
o-Xylene	ND		35	250
Styrene	ND		28	250
tert-Butylbenzene	ND		33	250
Tetrachloroethene	ND		73	250
Tetrahydrofuran	ND		110	1300
Toluene	ND		33	250
trans-1,2-Dichloroethene	ND		48	250
trans-1,3-Dichloropropene	ND		48	250
Trichloroethene	ND		43	250
Trichlorofluoromethane	ND		53	250
Vinyl chloride	ND		55	250
Methylcyclohexane	150	J	33	250
Chlorodibromomethane	ND		45	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 129
4-Bromofluorobenzene (Surr)	105		66 - 117
Toluene-d8 (Surr)	106		74 - 115
Dibromofluoromethane (Surr)	105		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **TB-001(20110823)**

Lab Sample ID: 240-3250-2TB Date Sampled: 08/23/2011 0000
Client Matrix: Water Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9378.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1704			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1704				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **TB-001(20110823)**

Lab Sample ID: 240-3250-2TB Date Sampled: 08/23/2011 0000
Client Matrix: Water Date Received: 08/24/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9378.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1704			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1704				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 117
Toluene-d8 (Surr)	104		74 - 115
Dibromofluoromethane (Surr)	108		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-13540	Lab File ID:	3250J1A.D
Dilution:	6.667			Initial Weight/Volume:	1020 mL
Analysis Date:	09/06/2011 1406			Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0759			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	1.6	J	0.65	65
Acenaphthylene	ND		0.65	65
Anthracene	ND		0.65	65
Benzo[a]anthracene	ND		0.65	1.3
Benzo[b]fluoranthene	ND		0.65	65
Benzo[k]fluoranthene	ND		0.65	65
Benzo[g,h,i]perylene	ND		0.65	65
Benzo[a]pyrene	ND		0.65	65
Chrysene	ND		0.65	65
2-Methylnaphthalene	230		0.65	65
Dibenz(a,h)anthracene	ND		0.65	65
Fluoranthene	ND		0.65	65
Fluorene	ND		0.65	65
Indeno[1,2,3-cd]pyrene	ND		0.65	65
Naphthalene	130		0.65	65
Phenanthrene	1.7	J	0.65	65
Pyrene	ND		0.65	65

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	35		28 - 110
2-Fluorophenol (Surr)	56		10 - 110
2,4,6-Tribromophenol (Surr)	65		22 - 120
Nitrobenzene-d5 (Surr)	61		27 - 111
Phenol-d5 (Surr)	66		10 - 110
Terphenyl-d14 (Surr)	24	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090208.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1323			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1323			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	24000		1300	5000

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14662	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-13476	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/08/2011 2354			Injection Volume:	1 mL
Prep Date:	08/27/2011 0822			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.042	0.19
Aroclor-1221	ND		0.043	0.19
Aroclor-1232	ND		0.070	0.19
Aroclor-1242	ND		0.057	0.19
Aroclor-1248	ND		0.058	0.19
Aroclor-1254	ND		0.030	0.19
Aroclor-1260	ND		0.036	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	25	X	35 - 137
DCB Decachlorobiphenyl	12		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14650	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/09/2011 0915			Injection Volume:	1 mL
Prep Date:	09/08/2011 1035			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.043	0.20
Aroclor-1221	ND	H	0.044	0.20
Aroclor-1232	ND	H	0.072	0.20
Aroclor-1242	ND	H	0.059	0.20
Aroclor-1248	ND	H	0.060	0.20
Aroclor-1254	ND	H	0.031	0.20
Aroclor-1260	ND	H	0.037	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	46		35 - 137
DCB Decachlorobiphenyl	20		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14626	Instrument ID:	A2HP6F
Prep Method:	3510C	Prep Batch:	240-13555	Lab File ID:	P6F90807.D
Dilution:	5.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/08/2011 1212			Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	3.4		0.080	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Client Sample ID: **ASB-115_4-9(20110822)**

Lab Sample ID: 240-3250-1 Date Sampled: 08/22/2011 1240
Client Matrix: Water Date Received: 08/24/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13582	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/30/2011 0933			Final Weight/Volume:	50 mL
Prep Date:	08/29/2011 0956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	340	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	2.4	J	2.2	10
Silver	ND		2.2	10
Arsenic	7.6	J	3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1159			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-14331					
LCS 240-14331/4	Lab Control Sample	T	Water	8260B	
MB 240-14331/5	Method Blank	T	Water	8260B	
240-3250-1	ASB-115_4-9(20110822)	T	Water	8260B	
240-3250-2TB	TB-001(20110823)	T	Water	8260B	
240-3296-E-2 MS	Matrix Spike	T	Water	8260B	
240-3296-D-2 MSD	Matrix Spike Duplicate	T	Water	8260B	
Prep Batch: 240-13540					
LCS 240-13540/10-A	Lab Control Sample	T	Water	3520C	
MB 240-13540/9-A	Method Blank	T	Water	3520C	
240-3250-1	ASB-115_4-9(20110822)	T	Water	3520C	
Analysis Batch:240-14374					
LCS 240-13540/10-A	Lab Control Sample	T	Water	8270C	240-13540
MB 240-13540/9-A	Method Blank	T	Water	8270C	240-13540
240-3250-1	ASB-115_4-9(20110822)	T	Water	8270C	240-13540
Analysis Batch:240-14168					
LCS 240-14168/7	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-14168/17	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-14168/6	Method Blank	T	Water	WI-GRO	
240-3250-1	ASB-115_4-9(20110822)	T	Water	WI-GRO	

Report Basis
T = Total

Report Basis
T = Total

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13476					
LCS 240-13476/3-A	Lab Control Sample	T	Water	3510C	
MB 240-13476/2-A	Method Blank	T	Water	3510C	
240-3250-1	ASB-115_4-9(20110822)	T	Water	3510C	
Prep Batch: 240-13555					
LCS 240-13555/6-A	Lab Control Sample	T	Water	3510C	
LCSD 240-13555/7-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-13555/5-A	Method Blank	T	Water	3510C	
240-3250-1	ASB-115_4-9(20110822)	T	Water	3510C	
Analysis Batch:240-13753					
LCS 240-13555/6-A	Lab Control Sample	T	Water	WI-DRO	240-13555
LCSD 240-13555/7-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-13555
MB 240-13555/5-A	Method Blank	T	Water	WI-DRO	240-13555
Analysis Batch:240-14626					
240-3250-1	ASB-115_4-9(20110822)	T	Water	WI-DRO	240-13555
Prep Batch: 240-14650					
LCS 240-14650/2-A	Lab Control Sample	T	Water	3510C	
MB 240-14650/1-A	Method Blank	T	Water	3510C	
240-3250-1	ASB-115_4-9(20110822)	T	Water	3510C	
Analysis Batch:240-14662					
LCS 240-13476/3-A	Lab Control Sample	T	Water	8082	240-13476
MB 240-13476/2-A	Method Blank	T	Water	8082	240-13476
240-3250-1	ASB-115_4-9(20110822)	T	Water	8082	240-13476
Analysis Batch:240-14744					
LCS 240-14650/2-A	Lab Control Sample	T	Water	8082	240-14650
MB 240-14650/1-A	Method Blank	T	Water	8082	240-14650
240-3250-1	ASB-115_4-9(20110822)	T	Water	8082	240-14650

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13582					
LCS 240-13582/2-A	Lab Control Sample	R	Water	3005A	
MB 240-13582/1-A	Method Blank	R	Water	3005A	
240-3250-1	ASB-115_4-9(20110822)	D	Water	3005A	
240-3250-1MS	Matrix Spike	D	Water	3005A	
240-3250-1MSD	Matrix Spike Duplicate	D	Water	3005A	
Analysis Batch:240-13838					
LCS 240-13582/2-A	Lab Control Sample	R	Water	6010B	240-13582
MB 240-13582/1-A	Method Blank	R	Water	6010B	240-13582
240-3250-1	ASB-115_4-9(20110822)	D	Water	6010B	240-13582
240-3250-1MS	Matrix Spike	D	Water	6010B	240-13582
240-3250-1MSD	Matrix Spike Duplicate	D	Water	6010B	240-13582
Prep Batch: 240-13867					
LCS 240-13867/2-A	Lab Control Sample	T	Water	7470A	
MB 240-13867/1-A	Method Blank	T	Water	7470A	
240-3250-1	ASB-115_4-9(20110822)	D	Water	7470A	
240-3264-F-1-B MS	Matrix Spike	D	Water	7470A	
240-3264-F-1-C MSD	Matrix Spike Duplicate	D	Water	7470A	
Analysis Batch:240-14463					
LCS 240-13867/2-A	Lab Control Sample	T	Water	7470A	240-13867
MB 240-13867/1-A	Method Blank	T	Water	7470A	240-13867
240-3250-1	ASB-115_4-9(20110822)	D	Water	7470A	240-13867
240-3264-F-1-B MS	Matrix Spike	D	Water	7470A	240-13867
240-3264-F-1-C MSD	Matrix Spike Duplicate	D	Water	7470A	240-13867

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-3250-1	ASB-115_4-9(20110822)	102	105	106	105
240-3250-2	TB-001(20110823)	105	100	104	108
MB 240-14331/5		102	100	110	111
LCS 240-14331/4		110	113	107	106
240-3296-E-2 MS		99	110	108	106
240-3296-D-2 MSD		96	107	104	106

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3250-1	ASB-115_4-9(20110822)	35	56	65	61	66	24X
MB 240-13540/9-A		68	72	68	60	73	84
LCS 240-13540/10-A		74	79	81	66	78	88

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-3250-1	ASB-115_4-9(20110822)	25X		12	
240-3250-1	ASB-115_4-9(20110822)		46		20
MB 240-13476/2-A		69		75	
MB 240-14650/1-A			82		73
LCS 240-13476/3-A		81		88	
LCS 240-14650/2-A			69		71

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14331/5	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1534	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1534				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14331/5	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1534	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1534				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	1.0
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.544	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	63 - 129
4-Bromofluorobenzene (Surr)	100	66 - 117
Toluene-d8 (Surr)	110	74 - 115
Dibromofluoromethane (Surr)	111	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Lab Control Sample - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14331/4	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1511	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1511				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.66	97	72 - 116	
1,1,1-Trichloroethane	10.0	10.2	102	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	8.91	89	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.4	104	74 - 151	
1,1,2-Trichloroethane	10.0	9.21	92	80 - 112	
1,1-Dichloroethane	10.0	9.51	95	82 - 115	
1,1-Dichloroethene	10.0	10.4	104	78 - 131	
1,1-Dichloropropene	10.0	9.49	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.36	94	54 - 126	
1,2,3-Trichloropropane	10.0	8.71	87	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.06	91	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.75	98	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	8.57	86	42 - 136	
1,2-Dichlorobenzene	10.0	10.0	100	81 - 110	
1,2-Dichloroethane	10.0	9.27	93	71 - 127	
1,2-Dichloropropane	10.0	9.78	98	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.30	93	72 - 118	
1,3-Dichlorobenzene	10.0	9.44	94	80 - 110	
1,3-Dichloropropane	10.0	9.70	97	79 - 116	
1,4-Dichlorobenzene	10.0	9.77	98	82 - 110	
2,2-Dichloropropane	10.0	10.1	101	50 - 129	
2-Chlorotoluene	10.0	9.28	93	76 - 116	
2-Hexanone	20.0	19.4	97	55 - 133	
Bromobenzene	10.0	9.03	90	76 - 115	
Bromochloromethane	10.0	10.4	104	77 - 120	
4-Chlorotoluene	10.0	9.19	92	77 - 115	
p-Isopropyltoluene	10.0	10.2	102	74 - 120	
Acetone	20.0	17.1	86	43 - 136	
Benzene	10.0	9.42	94	83 - 112	
Bromoform	10.0	9.36	94	40 - 131	
Bromomethane	10.0	9.06	91	11 - 185	
Carbon disulfide	10.0	9.74	97	62 - 142	
Carbon tetrachloride	10.0	10.1	101	66 - 128	
Chlorobenzene	10.0	9.59	96	85 - 110	
Chloroethane	10.0	8.37	84	25 - 153	
Chloroform	10.0	9.95	100	79 - 117	
Chloromethane	10.0	8.77	88	44 - 126	
cis-1,2-Dichloroethene	10.0	9.36	94	80 - 113	
cis-1,3-Dichloropropene	10.0	9.61	96	61 - 115	
Cyclohexane	10.0	9.12	91	54 - 121	
Hexachlorobutadiene	10.0	8.34	83	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Lab Control Sample - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14331/4	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1511	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1511				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.62	96	81 - 120	
Bromodichloromethane	10.0	9.91	99	72 - 121	
Dichlorodifluoromethane	10.0	7.56	76	19 - 129	
Ethyl ether	10.0	9.59	96	53 - 135	
Ethylbenzene	10.0	9.76	98	83 - 112	
1,2-Dibromoethane	10.0	9.71	97	79 - 113	
Naphthalene	10.0	8.08	81	32 - 141	
m-Xylene & p-Xylene	20.0	19.4	97	83 - 113	
n-Butylbenzene	10.0	10.0	100	66 - 125	
Isopropylbenzene	10.0	9.75	98	75 - 114	
Methyl acetate	10.0	8.82	88	58 - 131	J
N-Propylbenzene	10.0	9.30	93	74 - 121	
2-Butanone (MEK)	20.0	17.5	88	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	19.1	96	63 - 128	
sec-Butylbenzene	10.0	9.33	93	70 - 117	
Methyl tert butyl ether	10.0	10.1	101	52 - 144	
Methylene Chloride	10.0	9.97	100	66 - 131	
o-Xylene	10.0	9.76	98	83 - 113	
Styrene	10.0	9.79	98	79 - 114	
tert-Butylbenzene	10.0	9.38	94	71 - 115	
Tetrachloroethene	10.0	9.74	97	79 - 114	
Tetrahydrofuran	10.0	9.43	94	23 - 143	
Toluene	10.0	9.60	96	84 - 111	
trans-1,2-Dichloroethene	10.0	10.1	101	83 - 117	
trans-1,3-Dichloropropene	10.0	9.80	98	58 - 117	
Trichloroethene	10.0	9.71	97	76 - 117	
Trichlorofluoromethane	10.0	9.79	98	49 - 157	
Vinyl chloride	10.0	8.91	89	53 - 127	
Methylcyclohexane	10.0	9.67	97	56 - 127	
Chlorodibromomethane	10.0	9.67	97	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	63 - 129
4-Bromofluorobenzene (Surr)	113	66 - 117
Toluene-d8 (Surr)	107	74 - 115
Dibromofluoromethane (Surr)	106	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3296-E-2 MS	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9376.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1619			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1619				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3296-D-2 MSD	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9377.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1642			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1642				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	97	95	64 - 118	3	30		
1,1,1-Trichloroethane	103	94	68 - 121	9	30		
1,1,2,2-Tetrachloroethane	90	91	63 - 122	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	107	100	70 - 152	7	30		
1,1,2-Trichloroethane	94	87	75 - 115	8	30		
1,1-Dichloroethane	100	97	79 - 116	3	30		
1,1-Dichloroethene	99	98	74 - 135	1	30		
1,1-Dichloropropene	91	91	80 - 114	1	30		
1,2,3-Trichlorobenzene	79	86	45 - 129	9	30		
1,2,3-Trichloropropane	90	90	67 - 132	0	30		
1,2,4-Trichlorobenzene	81	82	38 - 138	1	30		
1,2,4-Trimethylbenzene	92	89	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	76	79	32 - 139	3	30		
1,2-Dichlorobenzene	94	93	75 - 111	1	30		
1,2-Dichloroethane	90	90	68 - 129	0	30		
1,2-Dichloropropane	93	90	78 - 115	3	30		
1,3,5-Trimethylbenzene	91	88	63 - 121	3	30		
1,3-Dichlorobenzene	87	89	73 - 110	3	30		
1,3-Dichloropropane	94	90	74 - 118	4	30		
1,4-Dichlorobenzene	88	89	75 - 110	1	30		
2,2-Dichloropropane	102	98	38 - 127	4	30		
2-Chlorotoluene	89	90	69 - 117	2	30		
2-Hexanone	106	103	47 - 139	3	30		
Bromobenzene	84	88	71 - 116	4	30		
Bromochloromethane	98	99	73 - 121	1	30		
4-Chlorotoluene	86	86	71 - 116	0	30		
p-Isopropyltoluene	94	96	64 - 122	1	30		
Acetone	97	94	33 - 145	3	30		
Benzene	93	91	72 - 121	2	30		
Bromoform	87	83	32 - 128	5	30		
Bromomethane	85	84	10 - 186	1	30		
Carbon disulfide	95	89	57 - 147	6	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3296-E-2 MS	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9376.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1619			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1619				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3296-D-2 MSD	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9377.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1642			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1642				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	103	99	59 - 129	4	30		
Chlorobenzene	92	91	80 - 110	1	30		
Chloroethane	77	77	21 - 165	0	30		
Chloroform	97	93	76 - 118	4	30		
Chloromethane	90	87	33 - 132	3	30		
cis-1,2-Dichloroethene	95	90	70 - 120	5	30		
cis-1,3-Dichloropropene	89	88	51 - 110	1	30		
Cyclohexane	96	93	49 - 123	3	30		
Hexachlorobutadiene	78	77	27 - 132	1	30		
Dibromomethane	97	93	77 - 121	4	30		
Bromodichloromethane	97	91	67 - 120	6	30		
Dichlorodifluoromethane	86	84	17 - 128	2	30		
Ethyl ether	100	92	63 - 136	8	30		
Ethylbenzene	96	89	75 - 116	7	30		
1,2-Dibromoethane	97	90	74 - 113	7	30		
Naphthalene	76	76	15 - 158	0	30		
m-Xylene & p-Xylene	92	89	75 - 117	4	30		
n-Butylbenzene	96	94	56 - 127	3	30		
Isopropylbenzene	96	93	68 - 116	3	30		
Methyl acetate	87	84	47 - 130	4	30	J	J
N-Propylbenzene	86	90	64 - 124	5	30		
2-Butanone (MEK)	93	90	54 - 129	3	30		
4-Methyl-2-pentanone (MIBK)	100	100	56 - 131	1	30		
sec-Butylbenzene	88	91	60 - 119	4	30		
Methyl tert butyl ether	98	94	46 - 144	4	30		
Methylene Chloride	89	82	63 - 128	8	30		
o-Xylene	100	88	76 - 116	12	30		
Styrene	97	91	71 - 117	6	30		
tert-Butylbenzene	87	87	61 - 119	1	30		
Tetrachloroethene	99	95	70 - 117	4	30		
Tetrahydrofuran	101	98	10 - 167	2	30		
Toluene	94	90	78 - 114	5	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3296-E-2 MS	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9376.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1619			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1619				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3296-D-2 MSD	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9377.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1642			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1642				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	98	97	80 - 119	0	30		
trans-1,3-Dichloropropene	95	94	46 - 116	2	30		
Trichloroethene	91	90	66 - 120	1	30		
Trichlorofluoromethane	105	99	46 - 157	6	30		
Vinyl chloride	93	91	49 - 130	2	30		
Methylcyclohexane	97	95	49 - 127	2	30		
Chlorodibromomethane	94	94	56 - 118	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	96	63 - 129
4-Bromofluorobenzene (Surr)	110	107	66 - 117
Toluene-d8 (Surr)	108	104	74 - 115
Dibromofluoromethane (Surr)	106	106	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-13540

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-13540/9-A	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13540	Lab File ID:	MB13540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1035	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0759			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	28 - 110
2-Fluorophenol (Surr)	72	10 - 110
2,4,6-Tribromophenol (Surr)	68	22 - 120
Nitrobenzene-d5 (Surr)	60	27 - 111
Phenol-d5 (Surr)	73	10 - 110
Terphenyl-d14 (Surr)	84	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Lab Control Sample - Batch: 240-13540

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-13540/10-A	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13540	Lab File ID:	LCS13540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1054	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0759			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	14.9	74	40 - 110	
Acenaphthylene	20.0	15.4	77	43 - 110	
Anthracene	20.0	16.2	81	54 - 114	
Benzo[a]anthracene	20.0	15.3	77	55 - 115	
Benzo[b]fluoranthene	20.0	14.9	75	43 - 122	
Benzo[k]fluoranthene	20.0	16.9	85	43 - 124	
Benzo[g,h,i]perylene	20.0	16.2	81	45 - 120	
Benzo[a]pyrene	20.0	13.1	65	43 - 116	
Chrysene	20.0	16.2	81	55 - 115	
2-Methylnaphthalene	20.0	16.2	81	35 - 110	
Dibenz(a,h)anthracene	20.0	15.8	79	46 - 122	
Fluoranthene	20.0	17.0	85	54 - 122	
Fluorene	20.0	15.9	80	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	15.9	80	46 - 121	
Naphthalene	20.0	15.7	78	31 - 110	
Phenanthrene	20.0	16.1	80	52 - 114	
Pyrene	20.0	15.7	78	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	28 - 110
2-Fluorophenol (Surr)	79	10 - 110
2,4,6-Tribromophenol (Surr)	81	22 - 120
Nitrobenzene-d5 (Surr)	66	27 - 111
Phenol-d5 (Surr)	78	10 - 110
Terphenyl-d14 (Surr)	88	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-14168

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-14168/6	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090206.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1216	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1216			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14168

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-14168/7	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090207.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1250	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1250			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14168/17	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1749	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1749			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	107	98	80 - 120	9	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-13476 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	MB 240-13476/2-A	Analysis Batch:	240-14662	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-13476	Lab File ID:	P1390845.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0009	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/27/2011 0822			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	35 - 137
DCB Decachlorobiphenyl	75	10 - 140

Lab Control Sample - Batch: 240-13476 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	LCS 240-13476/3-A	Analysis Batch:	240-14662	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-13476	Lab File ID:	P1390846.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0024	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/27/2011 0822			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	10.0	7.68	77	56 - 130	
Aroclor-1260	10.0	8.53	85	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	81	35 - 137
DCB Decachlorobiphenyl	88	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-14650

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 240-14650/1-A	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14650	Lab File ID:	P1390915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0930	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/08/2011 1035			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	35 - 137
DCB Decachlorobiphenyl	73	10 - 140

Lab Control Sample - Batch: 240-14650

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 240-14650/2-A	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14650	Lab File ID:	P1390916.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0945	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/08/2011 1035			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.83	73	56 - 130	
Aroclor-1260	2.50	2.02	81	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	35 - 137
DCB Decachlorobiphenyl	71	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-13555 **Method: WI-DRO**
Preparation: 3510C

Lab Sample ID:	MB 240-13555/5-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Water	Prep Batch:	240-13555	Lab File ID:	P6F83032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2011 0120	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0631	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13555 **Method: WI-DRO**
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-13555/6-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Water	Prep Batch:	240-13555	Lab File ID:	P6F83033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2011 0149	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13555/7-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Water	Prep Batch:	240-13555	Lab File ID:	P6F83038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2011 0411	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	86	87	75 - 115	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-13582

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-13582/1-A	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13582	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/30/2011 0922	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/29/2011 0956				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	1.21	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-13582

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-13582/2-A	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13582	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/30/2011 0928	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/29/2011 0956				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1970	98	80 - 120	
Cadmium	50.0	49.3	99	80 - 120	
Chromium	200	194	97	80 - 120	
Silver	50.0	48.7	97	80 - 120	
Arsenic	2000	1920	96	80 - 120	
Lead	500	486	97	80 - 120	
Selenium	2000	1960	98	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13582

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-3250-1	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13582	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/30/2011 0945			Final Weight/Volume:	50 mL
Prep Date:	08/29/2011 0956				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3250-1	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13582	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/30/2011 0950			Final Weight/Volume:	50 mL
Prep Date:	08/29/2011 0956				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	100	102	75 - 125	2	20		
Cadmium	100	100	75 - 125	1	20		
Chromium	98	99	75 - 125	1	20		
Silver	104	100	75 - 125	4	20		
Arsenic	98	99	75 - 125	1	20		
Lead	98	99	75 - 125	1	20		
Selenium	100	101	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3250-1

Method Blank - Batch: 240-13867

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-13867/1-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1146	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-13867

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-13867/2-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1149	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.56	91	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13867

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-3264-F-1-B MS	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1152			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-F-1-C MSD	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1153			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	85	82	69 - 134	4	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3250-1

Login Number: 3250

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8, 3.3, 2.4, 1.3, 2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3228-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/28/2011 3:26 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/28/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3228-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/26/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt were 2.9 and 3.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-127_0-2(20110825) (240-3228-7) and MB-003(20110825) (240-3228-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/30/2011.

Naphthalene and Tetrahydrofuran were detected in method blank MB 240-13679/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

4-Methyl-2-pentanone (MIBK) failed the recovery criteria high for LCS 240-13679/2-A. Refer to the QC report for details.

Method(s) 8260B: The laboratory control sample (LCS) for batch 13679 exceeded control limits for the following analyte: 4-Methyl-2-Pentanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13679 for these samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-127_0-2(20110825) (240-3228-7), MB-003(20110825) (240-3228-8).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-125_3-5(20110825) (240-3228-3),

ASB-125_6-8(20110825) (240-3228-4), ASB-126_2-4(20110825) (240-3228-5), ASB-126_6-8(20110825) (240-3228-6) and ASB-127_0-2(20110825) (240-3228-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 08/31/2011 and 09/07/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

2,4-Dinitrophenol, 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol and Caprolactam failed the recovery criteria low for the MS of sample 240-3221-1 in batch 240-13868.

2,4-Dinitrophenol and Caprolactam failed the recovery criteria low for the MSD of sample 240-3221-1 in batch 240-13868.
4-Nitrophenol, Caprolactam and Hexachlorocyclopentadiene exceeded the rpd limit.

Refer to the QC report for details.

2,4-Dinitrophenol and Caprolactam failed the recovery criteria low for the MSD of sample 240-3221-1 in batch 240-13868.
4-Nitrophenol, Caprolactam and Hexachlorocyclopentadiene exceeded the rpd limit.

Refer to the QC report for details.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-124_2-4(20110824) (240-3228-1) and ASB-124_6-8(20110824) (240-3228-2) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/03/2011.

Method(s) Wisconsin GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13772 for these samples ASB-124_2-4(20110824) (240-3228-1) and ASB-124_6-8(20110824) (240-3228-2).

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-124_6-8(20110824) (240-3228-2) and ASB-127_0-2(20110825) (240-3228-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 08/30/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for 240-3214-B-3-B MS. Tetrachloro-m-xylene failed the surrogate recovery criteria low for 240-3214-B-3-C MSD. Refer to the QC report for details.

Aroclor-1260 failed the recovery criteria high for the MS/MSD of sample 240-3214-3 in batch 240-13692.

Refer to the QC report for details.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-124_6-8(20110824) (240-3228-2), ASB-127_0-2(20110825) (240-3228-7).

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-125_3-5(20110825) (240-3228-3), ASB-125_6-8(20110825) (240-3228-4), ASB-126_2-4(20110825) (240-3228-5), ASB-126_6-8(20110825) (240-3228-6) and ASB-127_0-2(20110825) (240-3228-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/01/2011 and 09/06/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-13507/12-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Method(s) WI-DRO: The continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. ASB-125_6-8(20110825) (240-3228-4), ASB-126_6-8(20110825) (240-3228-6).

Method(s) WI-DRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13507 for these samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-125_3-5(20110825) (240-3228-3), ASB-125_6-8(20110825) (240-3228-4), ASB-126_2-4(20110825) (240-3228-5), ASB-126_6-8(20110825) (240-3228-6) and ASB-127_0-2(20110825) (240-3228-7).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-125_3-5(20110825) (240-3228-3), ASB-125_6-8(20110825) (240-3228-4), ASB-126_2-4(20110825) (240-3228-5), ASB-126_6-8(20110825) (240-3228-6) and ASB-127_0-2(20110825) (240-3228-7) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 08/30/2011.

Barium was detected in method blank MB 240-13590/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-125_3-5(20110825) (240-3228-3), ASB-125_6-8(20110825) (240-3228-4), ASB-126_2-4(20110825) (240-3228-5), ASB-126_6-8(20110825) (240-3228-6) and ASB-127_0-2(20110825) (240-3228-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 08/30/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-124_2-4(20110824) (240-3228-1), ASB-124_6-8(20110824) (240-3228-2), ASB-125_3-5(20110825) (240-3228-3), ASB-125_6-8(20110825) (240-3228-4), ASB-126_2-4(20110825) (240-3228-5), ASB-126_6-8(20110825) (240-3228-6) and ASB-127_0-2(20110825) (240-3228-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/27/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3228-1	**ASB-124_2-4(20110824)**					
Carbon disulfide		83	J	330	ug/Kg	8260B
Methyl acetate		510	J	660	ug/Kg	8260B
Naphthalene		9.5	J B	330	ug/Kg	8260B
Tetrahydrofuran		130	J B	1300	ug/Kg	8260B
2-Methylnaphthalene		22	J	420	ug/Kg	8270C
Acenaphthylene		4.5	J	420	ug/Kg	8270C
Anthracene		22	J	420	ug/Kg	8270C
Benzo[a]anthracene		18	J	420	ug/Kg	8270C
Benzo[a]pyrene		15	J	420	ug/Kg	8270C
Benzo[b]fluoranthene		27	J	420	ug/Kg	8270C
Benzo[g,h,i]perylene		16	J	420	ug/Kg	8270C
Benzo[k]fluoranthene		15	J	420	ug/Kg	8270C
Chrysene		27	J	420	ug/Kg	8270C
Fluoranthene		55	J	420	ug/Kg	8270C
Fluorene		5.9	J	420	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		14	J	420	ug/Kg	8270C
Naphthalene		16	J	420	ug/Kg	8270C
Phenanthrene		43	J	420	ug/Kg	8270C
Pyrene		44	J	420	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		29		12	mg/Kg	WI-DRO
Barium		130	B	25	mg/Kg	6010B
Cadmium		0.26		0.25	mg/Kg	6010B
Chromium		17		0.63	mg/Kg	6010B
Arsenic		4.9		1.3	mg/Kg	6010B
Lead		24		0.38	mg/Kg	6010B
Selenium		0.94		0.63	mg/Kg	6010B
Mercury		0.095		0.090	mg/Kg	7471A
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-3228-2	**ASB-124_6-8(20110824)**					
Tetrahydrofuran		120	J B	1200	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		3.2	J	12	mg/Kg	WI-DRO
Barium		45	B	25	mg/Kg	6010B
Chromium		16		0.64	mg/Kg	6010B
Arsenic		1.3		1.3	mg/Kg	6010B
Lead		2.5		0.38	mg/Kg	6010B
Mercury		0.018	J	0.10	mg/Kg	7471A
Percent Solids		76		0.10	%	Moisture
Percent Moisture		24		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3228-3	**ASB-125_3-5(20110825)**					
WI Diesel Range Organics (C10-C28)		3.5	J	11	mg/Kg	WI-DRO
Barium		23	B	22	mg/Kg	6010B
Chromium		11		0.54	mg/Kg	6010B
Arsenic		4.7		1.1	mg/Kg	6010B
Lead		6.9		0.32	mg/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-3228-4	**ASB-125_6-8(20110825)**					
WI Diesel Range Organics (C10-C28)		3.2	J	10	mg/Kg	WI-DRO
Barium		18	J B	24	mg/Kg	6010B
Chromium		14		0.60	mg/Kg	6010B
Arsenic		4.8		1.2	mg/Kg	6010B
Lead		2.7		0.36	mg/Kg	6010B
Mercury		0.016	J	0.10	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-3228-5	**ASB-126_2-4(20110825)**					
WI Diesel Range Organics (C10-C28)		6.1	J	11	mg/Kg	WI-DRO
Barium		110	B	23	mg/Kg	6010B
Chromium		19		0.58	mg/Kg	6010B
Arsenic		5.8		1.2	mg/Kg	6010B
Lead		4.0		0.35	mg/Kg	6010B
Mercury		0.025	J	0.12	mg/Kg	7471A
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-3228-6	**ASB-126_6-8(20110825)**					
WI Diesel Range Organics (C10-C28)		4.3	J	11	mg/Kg	WI-DRO
Barium		17	J B	22	mg/Kg	6010B
Chromium		15		0.56	mg/Kg	6010B
Arsenic		4.7		1.1	mg/Kg	6010B
Lead		2.6		0.33	mg/Kg	6010B
Mercury		0.019	J	0.089	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3228-7	**ASB-127_0-2(20110825)**					
Carbon disulfide		56	J	290	ug/Kg	8260B
Methyl acetate		280	J	580	ug/Kg	8260B
Tetrahydrofuran		110	J B	1200	ug/Kg	8260B
Acetophenone		14	J	430	ug/Kg	8270C
Benzaldehyde		56	J	430	ug/Kg	8270C
Benzo[a]anthracene		8.2	J	430	ug/Kg	8270C
Benzo[a]pyrene		6.2	J	430	ug/Kg	8270C
Benzo[b]fluoranthene		12	J	430	ug/Kg	8270C
Benzo[g,h,i]perylene		8.4	J	430	ug/Kg	8270C
Benzo[k]fluoranthene		6.3	J	430	ug/Kg	8270C
Chrysene		13	J	430	ug/Kg	8270C
Fluoranthene		22	J	430	ug/Kg	8270C
Naphthalene		11	J	430	ug/Kg	8270C
Phenanthrene		12	J	430	ug/Kg	8270C
Pyrene		16	J	430	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		7.2	J	10	mg/Kg	WI-DRO
Barium		98	B	24	mg/Kg	6010B
Cadmium		0.11	J	0.24	mg/Kg	6010B
Chromium		15		0.60	mg/Kg	6010B
Arsenic		5.4		1.2	mg/Kg	6010B
Lead		9.7		0.36	mg/Kg	6010B
Mercury		0.024	J	0.12	mg/Kg	7471A
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture
240-3228-8TB	**MB-003(20110825)**					
Tetrahydrofuran		94	J B	1000	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Davies, Brian	BD
EPA Moisture	Martin, Aaron	AM

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3228-1	ASB-124_2-4(20110824)	Solid	08/24/2011 1820	08/26/2011 0900
240-3228-2	ASB-124_6-8(20110824)	Solid	08/24/2011 1745	08/26/2011 0900
240-3228-3	ASB-125_3-5(20110825)	Solid	08/25/2011 0918	08/26/2011 0900
240-3228-4	ASB-125_6-8(20110825)	Solid	08/25/2011 0905	08/26/2011 0900
240-3228-5	ASB-126_2-4(20110825)	Solid	08/25/2011 1135	08/26/2011 0900
240-3228-6	ASB-126_6-8(20110825)	Solid	08/25/2011 1110	08/26/2011 0900
240-3228-7	ASB-127_0-2(20110825)	Solid	08/25/2011 1340	08/26/2011 0900
240-3228-8TB	MB-003(20110825)	Solid	08/25/2011 0000	08/26/2011 0900

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820
Client Matrix: Solid % Moisture: 22.0 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140500.D
Dilution:	1.0			Initial Weight/Volume:	24.2 g
Analysis Date:	08/30/2011 1401			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	330
1,1,1-Trichloroethane		ND		28	330
1,1,2,2-Tetrachloroethane		ND		12	330
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		52	330
1,1,2-Trichloroethane		ND		16	330
1,1-Dichloroethane		ND		23	330
1,1-Dichloroethene		ND		24	330
1,1-Dichloropropene		ND		13	330
1,2,3-Trichlorobenzene		ND		13	330
1,2,3-Trichloropropane		ND		28	330
1,2,4-Trichlorobenzene		ND		9.7	330
1,2,4-Trimethylbenzene		ND		6.6	330
1,2-Dibromo-3-Chloropropane		ND		66	660
1,2-Dibromoethane		ND		13	330
1,2-Dichlorobenzene		ND		11	330
1,2-Dichloroethane		ND		13	330
1,2-Dichloropropane		ND		11	330
1,3,5-Trimethylbenzene		ND		7.7	330
1,3-Dichlorobenzene		ND		6.4	330
1,3-Dichloropropane		ND		29	330
1,4-Dichlorobenzene		ND		11	330
2,2-Dichloropropane		ND		30	330
2-Butanone (MEK)		ND		57	1300
2-Chlorotoluene		ND		12	330
2-Hexanone		ND		26	1300
Allyl chloride		ND		70	660
4-Chlorotoluene		ND		13	330
4-Methyl-2-pentanone (MIBK)		ND	*	64	1300
Acetone		ND		230	1300
Benzene		ND		16	330
Bromobenzene		ND		17	330
Bromochloromethane		ND		17	330
Bromodichloromethane		ND		13	330
Bromoform		ND		25	330
Bromomethane		ND		38	330
Carbon disulfide		83	J	16	330
Carbon tetrachloride		ND		8.5	330
Chlorobenzene		ND		8.5	330
Chloroethane		ND		81	330
Chloroform		ND		12	330
Chloromethane		ND		19	330
cis-1,2-Dichloroethene		ND		9.1	330
cis-1,3-Dichloropropene		ND		10	330
Cyclohexane		ND		53	660
Chlorodibromomethane		ND		16	330
Dibromomethane		ND		19	330

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820
Client Matrix: Solid % Moisture: 22.0 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140500.D
Dilution:	1.0			Initial Weight/Volume:	24.2 g
Analysis Date:	08/30/2011 1401			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		21	330
Dichlorofluoromethane		ND		33	660
Ethyl ether		ND		20	660
Ethylbenzene		ND		7.2	330
Hexachlorobutadiene		ND		19	330
Isopropylbenzene		ND		8.6	330
Methyl acetate		510	J	33	660
Methyl tert butyl ether		ND		9.4	1300
Methylcyclohexane		ND		16	660
Methylene Chloride		ND		100	330
m-Xylene & p-Xylene		ND		8.2	660
Naphthalene		9.5	J B	8.9	330
n-Butylbenzene		ND		11	330
N-Propylbenzene		ND		19	330
o-Xylene		ND		11	330
p-Isopropyltoluene		ND		6.4	330
sec-Butylbenzene		ND		6.2	330
Styrene		ND		7.4	330
tert-Butylbenzene		ND		8.6	330
Tetrachloroethene		ND		16	330
Tetrahydrofuran		130	J B	65	1300
Toluene		ND		23	330
trans-1,2-Dichloroethene		ND		12	330
trans-1,3-Dichloropropene		ND		26	330
Trichloroethene		ND		13	330
Trichlorofluoromethane		ND		21	330
Vinyl chloride		ND		24	330

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	76		30 - 122
Toluene-d8 (Surr)	83		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140501.D
Dilution:	1.0			Initial Weight/Volume:	28.41 g
Analysis Date:	08/30/2011 1422			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		20	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		12	290
1,2,3-Trichlorobenzene		ND		12	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.5	290
1,2,4-Trimethylbenzene		ND		5.8	290
1,2-Dibromo-3-Chloropropane		ND		58	580
1,2-Dibromoethane		ND		12	290
1,2-Dichlorobenzene		ND		10	290
1,2-Dichloroethane		ND		12	290
1,2-Dichloropropane		ND		9.5	290
1,3,5-Trimethylbenzene		ND		6.7	290
1,3-Dichlorobenzene		ND		5.6	290
1,3-Dichloropropane		ND		26	290
1,4-Dichlorobenzene		ND		9.3	290
2,2-Dichloropropane		ND		27	290
2-Butanone (MEK)		ND		50	1200
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1200
Allyl chloride		ND		62	580
4-Chlorotoluene		ND		12	290
4-Methyl-2-pentanone (MIBK)		ND	*	56	1200
Acetone		ND		200	1200
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		12	290
Bromoform		ND		22	290
Bromomethane		ND		34	290
Carbon disulfide		ND		14	290
Carbon tetrachloride		ND		7.4	290
Chlorobenzene		ND		7.4	290
Chloroethane		ND		71	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		8.0	290
cis-1,3-Dichloropropene		ND		9.2	290
Cyclohexane		ND		46	580
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140501.D
Dilution:	1.0			Initial Weight/Volume:	28.41 g
Analysis Date:	08/30/2011 1422			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	290
Dichlorofluoromethane		ND		29	580
Ethyl ether		ND		17	580
Ethylbenzene		ND		6.3	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.6	290
Methyl acetate		ND		29	580
Methyl tert butyl ether		ND		8.3	1200
Methylcyclohexane		ND		14	580
Methylene Chloride		ND		90	290
m-Xylene & p-Xylene		ND		7.2	580
Naphthalene		ND		7.8	290
n-Butylbenzene		ND		9.3	290
N-Propylbenzene		ND		16	290
o-Xylene		ND		9.9	290
p-Isopropyltoluene		ND		5.6	290
sec-Butylbenzene		ND		5.5	290
Styrene		ND		6.5	290
tert-Butylbenzene		ND		7.6	290
Tetrachloroethene		ND		14	290
Tetrahydrofuran		120	J B	57	1200
Toluene		ND		20	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		19	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		39 - 128
4-Bromofluorobenzene (Surr)	69		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	72		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140502.D
Dilution:	1.0			Initial Weight/Volume:	28.06 g
Analysis Date:	08/30/2011 1444			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		20	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		12	290
1,2,3-Trichlorobenzene		ND		12	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.5	290
1,2,4-Trimethylbenzene		ND		5.8	290
1,2-Dibromo-3-Chloropropane		ND		58	580
1,2-Dibromoethane		ND		12	290
1,2-Dichlorobenzene		ND		10	290
1,2-Dichloroethane		ND		12	290
1,2-Dichloropropane		ND		9.5	290
1,3,5-Trimethylbenzene		ND		6.7	290
1,3-Dichlorobenzene		ND		5.6	290
1,3-Dichloropropane		ND		26	290
1,4-Dichlorobenzene		ND		9.3	290
2,2-Dichloropropane		ND		27	290
2-Butanone (MEK)		ND		50	1200
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1200
Allyl chloride		ND		61	580
4-Chlorotoluene		ND		11	290
4-Methyl-2-pentanone (MIBK)		ND	*	56	1200
Acetone		ND		200	1200
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		11	290
Bromoform		ND		22	290
Bromomethane		ND		34	290
Carbon disulfide		56	J	14	290
Carbon tetrachloride		ND		7.4	290
Chlorobenzene		ND		7.4	290
Chloroethane		ND		71	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		8.0	290
cis-1,3-Dichloropropene		ND		9.2	290
Cyclohexane		ND		46	580
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140502.D
Dilution:	1.0			Initial Weight/Volume:	28.06 g
Analysis Date:	08/30/2011 1444			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	290
Dichlorofluoromethane		ND		29	580
Ethyl ether		ND		17	580
Ethylbenzene		ND		6.3	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.5	290
Methyl acetate		280	J	29	580
Methyl tert butyl ether		ND		8.2	1200
Methylcyclohexane		ND		14	580
Methylene Chloride		ND		89	290
m-Xylene & p-Xylene		ND		7.2	580
Naphthalene		ND		7.8	290
n-Butylbenzene		ND		9.3	290
N-Propylbenzene		ND		16	290
o-Xylene		ND		9.9	290
p-Isopropyltoluene		ND		5.6	290
sec-Butylbenzene		ND		5.4	290
Styrene		ND		6.5	290
tert-Butylbenzene		ND		7.5	290
Tetrachloroethene		ND		14	290
Tetrahydrofuran		110	J B	57	1200
Toluene		ND		20	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		19	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	66		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	72		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **MB-003(20110825)**

Lab Sample ID: 240-3228-8TB Date Sampled: 08/25/2011 0000
Client Matrix: Solid Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140503.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1505			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND	*	48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **MB-003(20110825)**

Lab Sample ID: 240-3228-8TB Date Sampled: 08/25/2011 0000
Client Matrix: Solid Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140503.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1505			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		94	J B	49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		39 - 128
4-Bromofluorobenzene (Surr)	86		26 - 141
Dibromofluoromethane (Surr)	77		30 - 122
Toluene-d8 (Surr)	92		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820
Client Matrix: Solid % Moisture: 22.0 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831034.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	08/31/2011 1913			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		22	J	4.2	420
Acenaphthene		ND		4.2	420
Acenaphthylene		4.5	J	4.2	420
Anthracene		22	J	4.2	420
Benzo[a]anthracene		18	J	4.2	420
Benzo[a]pyrene		15	J	4.2	420
Benzo[b]fluoranthene		27	J	4.2	420
Benzo[g,h,i]perylene		16	J	4.2	420
Benzo[k]fluoranthene		15	J	4.2	420
Chrysene		27	J	1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Fluoranthene		55	J	4.2	420
Fluorene		5.9	J	4.2	420
Indeno[1,2,3-cd]pyrene		14	J	4.2	420
Naphthalene		16	J	4.2	420
Phenanthrene		43	J	4.2	420
Pyrene		44	J	4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	65		10 - 118
2-Fluorobiphenyl (Surr)	54		34 - 110
2-Fluorophenol (Surr)	50		26 - 110
Nitrobenzene-d5 (Surr)	44		24 - 112
Phenol-d5 (Surr)	53		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831035.D
Dilution:	1.0			Initial Weight/Volume:	29.96 g
Analysis Date:	08/31/2011 1930			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.4	440
Acenaphthene		ND		4.4	440
Acenaphthylene		ND		4.4	440
Anthracene		ND		4.4	440
Benzo[a]anthracene		ND		4.4	440
Benzo[a]pyrene		ND		4.4	440
Benzo[b]fluoranthene		ND		4.4	440
Benzo[g,h,i]perylene		ND		4.4	440
Benzo[k]fluoranthene		ND		4.4	440
Chrysene		ND		1.5	440
Dibenz(a,h)anthracene		ND		4.4	440
Fluoranthene		ND		4.4	440
Fluorene		ND		4.4	440
Indeno[1,2,3-cd]pyrene		ND		4.4	440
Naphthalene		ND		4.4	440
Phenanthrene		ND		4.4	440
Pyrene		ND		4.4	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	31		10 - 118
2-Fluorobiphenyl (Surr)	35		34 - 110
2-Fluorophenol (Surr)	43		26 - 110
Nitrobenzene-d5 (Surr)	39		24 - 112
Phenol-d5 (Surr)	37		28 - 110
Terphenyl-d14 (Surr)	57		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-125_3-5(20110825)**

Lab Sample ID: 240-3228-3 Date Sampled: 08/25/2011 0918
Client Matrix: Solid % Moisture: 17.0 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831036.D
Dilution:	1.0			Initial Weight/Volume:	29.81 g
Analysis Date:	08/31/2011 1947			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.0	400
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Anthracene		ND		4.0	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Fluoranthene		ND		4.0	400
Fluorene		ND		4.0	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Naphthalene		ND		4.0	400
Phenanthrene		ND		4.0	400
Pyrene		ND		4.0	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	41		10 - 118
2-Fluorobiphenyl (Surr)	60		34 - 110
2-Fluorophenol (Surr)	67		26 - 110
Nitrobenzene-d5 (Surr)	58		24 - 112
Phenol-d5 (Surr)	58		28 - 110
Terphenyl-d14 (Surr)	73		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-125_6-8(20110825)**

Lab Sample ID: 240-3228-4 Date Sampled: 08/25/2011 0905
Client Matrix: Solid % Moisture: 20.7 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907021.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 1954			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.2	420
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Anthracene		ND		4.2	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Fluoranthene		ND		4.2	420
Fluorene		ND		4.2	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Naphthalene		ND		4.2	420
Phenanthrene		ND		4.2	420
Pyrene		ND		4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43		10 - 118
2-Fluorobiphenyl (Surr)	75		34 - 110
2-Fluorophenol (Surr)	103		26 - 110
Nitrobenzene-d5 (Surr)	78		24 - 112
Phenol-d5 (Surr)	95		28 - 110
Terphenyl-d14 (Surr)	91		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-126_2-4(20110825)**

Lab Sample ID: 240-3228-5 Date Sampled: 08/25/2011 1135
Client Matrix: Solid % Moisture: 22.3 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831040.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	08/31/2011 2053			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.2	420
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Anthracene		ND		4.2	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Fluoranthene		ND		4.2	420
Fluorene		ND		4.2	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Naphthalene		ND		4.2	420
Phenanthrene		ND		4.2	420
Pyrene		ND		4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	22		10 - 118
2-Fluorobiphenyl (Surr)	47		34 - 110
2-Fluorophenol (Surr)	52		26 - 110
Nitrobenzene-d5 (Surr)	43		24 - 112
Phenol-d5 (Surr)	45		28 - 110
Terphenyl-d14 (Surr)	63		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-126_6-8(20110825)**

Lab Sample ID: 240-3228-6 Date Sampled: 08/25/2011 1110
Client Matrix: Solid % Moisture: 21.2 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831038.D
Dilution:	1.0			Initial Weight/Volume:	30.18 g
Analysis Date:	08/31/2011 2020			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.2	420
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Anthracene		ND		4.2	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Fluoranthene		ND		4.2	420
Fluorene		ND		4.2	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Naphthalene		ND		4.2	420
Phenanthrene		ND		4.2	420
Pyrene		ND		4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	24		10 - 118
2-Fluorobiphenyl (Surr)	47		34 - 110
2-Fluorophenol (Surr)	59		26 - 110
Nitrobenzene-d5 (Surr)	47		24 - 112
Phenol-d5 (Surr)	48		28 - 110
Terphenyl-d14 (Surr)	64		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831041.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	08/31/2011 2110			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		35	430
2,2'-oxybis[1-chloropropane]		ND		12	430
2,4,5-Trichlorophenol		ND		33	430
2,4,6-Trichlorophenol		ND		100	430
2,4-Dichlorophenol		ND		26	430
2,4-Dimethylphenol		ND		26	430
2,4-Dinitrophenol		ND		100	2100
2,4-Dinitrotoluene		ND		35	430
2,6-Dinitrotoluene		ND		27	430
2-Chloronaphthalene		ND		4.3	430
2-Chlorophenol		ND		35	430
2-Methylnaphthalene		ND		4.3	430
2-Methylphenol		ND		100	430
2-Nitroaniline		ND		12	2100
2-Nitrophenol		ND		35	430
3,3'-Dichlorobenzidine		ND		23	2100
3-Nitroaniline		ND		21	2100
4,6-Dinitro-2-methylphenol		ND		100	2100
4-Bromophenyl phenyl ether		ND		17	430
4-Chloro-3-methylphenol		ND		27	430
4-Chloroaniline		ND		22	430
4-Chlorophenyl phenyl ether		ND		17	430
4-Nitroaniline		ND		34	2100
4-Nitrophenol		ND		100	2100
Acenaphthene		ND		4.3	430
Acenaphthylene		ND		4.3	430
Acetophenone		14	J	12	430
Anthracene		ND		4.3	430
Atrazine		ND		12	430
Benzaldehyde		56	J	16	430
Benzo[a]anthracene		8.2	J	4.3	430
Benzo[a]pyrene		6.2	J	4.3	430
Benzo[b]fluoranthene		12	J	4.3	430
Benzo[g,h,i]perylene		8.4	J	4.3	430
Benzo[k]fluoranthene		6.3	J	4.3	430
Bis(2-chloroethoxy)methane		ND		29	430
Bis(2-chloroethyl)ether		ND		2.6	430
Bis(2-ethylhexyl) phthalate		ND		25	430
Butyl benzyl phthalate		ND		13	430
Caprolactam		ND		48	430
Carbazole		ND		35	430
Chrysene		13	J	1.4	430
Dibenz(a,h)anthracene		ND		4.3	430
Dibenzofuran		ND		4.3	430
Diethyl phthalate		ND		21	430
Dimethyl phthalate		ND		22	430

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831041.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	08/31/2011 2110			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		20	430
Di-n-octyl phthalate		ND		35	430
Fluoranthene		22	J	4.3	430
Fluorene		ND		4.3	430
Hexachlorobenzene		ND		2.7	430
Hexachlorobutadiene		ND		35	430
Hexachlorocyclopentadiene		ND		35	2100
Hexachloroethane		ND		12	430
Indeno[1,2,3-cd]pyrene		ND		4.3	430
Isophorone		ND		17	430
Naphthalene		11	J	4.3	430
Nitrobenzene		ND		2.9	430
N-Nitrosodi-n-propylamine		ND		35	430
N-Nitrosodiphenylamine		ND		27	430
Pentachlorophenol		ND		100	430
Phenol		ND		35	430
Phenanthrene		12	J	4.3	430
Pyrene		16	J	4.3	430
3 & 4 Methylphenol		ND		26	520

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	62		26 - 110
2,4,6-Tribromophenol (Surr)	51		10 - 118
Nitrobenzene-d5 (Surr)	52		24 - 112
Phenol-d5 (Surr)	57		28 - 110
Terphenyl-d14 (Surr)	70		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820
Client Matrix: Solid % Moisture: 22.0 Date Received: 08/26/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090229.D
Dilution:	1.0			Initial Weight/Volume:	27.03 g
Analysis Date:	09/03/2011 0351			Final Weight/Volume:	27.0 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.41	13

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090230.D
Dilution:	1.0			Initial Weight/Volume:	24.86 g
Analysis Date:	09/03/2011 0431			Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.43	13

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-13488	Initial Weight/Volume:	29.94 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/30/2011 1238			Injection Volume:	1 mL
Prep Date:	08/27/2011 1023			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		28	44
Aroclor-1221		ND		21	44
Aroclor-1232		ND		19	44
Aroclor-1242		ND		17	44
Aroclor-1248		ND		23	44
Aroclor-1254		ND		23	44
Aroclor-1260		ND		23	44

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		29 - 151
DCB Decachlorobiphenyl	81		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-13488	Initial Weight/Volume:	29.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/30/2011 1309			Injection Volume:	1 mL
Prep Date:	08/27/2011 1023			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		27	43
Aroclor-1221		ND		21	43
Aroclor-1232		ND		18	43
Aroclor-1242		ND		17	43
Aroclor-1248		ND		22	43
Aroclor-1254		ND		22	43
Aroclor-1260		ND		22	43

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		29 - 151
DCB Decachlorobiphenyl	85		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820
Client Matrix: Solid % Moisture: 22.0 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90610.D
Dilution:	1.0			Initial Weight/Volume:	26.66 g
Analysis Date:	09/06/2011 1331			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		29		1.4	12

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90611.D
Dilution:	1.0			Initial Weight/Volume:	27.09 g
Analysis Date:	09/06/2011 1400			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.2	J	1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-125_3-5(20110825)**

Lab Sample ID: 240-3228-3 Date Sampled: 08/25/2011 0918
Client Matrix: Solid % Moisture: 17.0 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90612.D
Dilution:	1.0			Initial Weight/Volume:	27.17 g
Analysis Date:	09/06/2011 1429			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.5	J	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-125_6-8(20110825)**

Lab Sample ID: 240-3228-4 Date Sampled: 08/25/2011 0905
Client Matrix: Solid % Moisture: 20.7 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14030	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90123.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	09/01/2011 2014			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.2	J	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-126_2-4(20110825)**

Lab Sample ID: 240-3228-5 Date Sampled: 08/25/2011 1135
Client Matrix: Solid % Moisture: 22.3 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90613.D
Dilution:	1.0			Initial Weight/Volume:	27.24 g
Analysis Date:	09/06/2011 1457			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		6.1	J	1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-126_6-8(20110825)**

Lab Sample ID: 240-3228-6 Date Sampled: 08/25/2011 1110
Client Matrix: Solid % Moisture: 21.2 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14030	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90125.D
Dilution:	1.0			Initial Weight/Volume:	27.92 g
Analysis Date:	09/01/2011 2112			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		4.3	J	1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90614.D
Dilution:	1.0			Initial Weight/Volume:	29.98 g
Analysis Date:	09/06/2011 1526			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		7.2	J	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820
Client Matrix: Solid % Moisture: 22.0 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/30/2011 1726			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		130	B	0.090	25
Cadmium		0.26		0.046	0.25
Chromium		17		0.25	0.63
Silver		ND		0.13	0.63
Arsenic		4.9		0.38	1.3
Lead		24		0.24	0.38
Selenium		0.94		0.57	0.63

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.85 g
Analysis Date:	08/30/2011 1126			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.095		0.014	0.090

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745
Client Matrix: Solid % Moisture: 24.3 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/30/2011 1721			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		45	B	0.090	25
Cadmium		ND		0.046	0.25
Chromium		16		0.25	0.64
Silver		ND		0.13	0.64
Arsenic		1.3		0.38	1.3
Lead		2.5		0.24	0.38
Selenium		ND		0.57	0.64

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.79 g
Analysis Date:	08/30/2011 1124			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	J	0.015	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-125_3-5(20110825)**

Lab Sample ID: 240-3228-3 Date Sampled: 08/25/2011 0918
Client Matrix: Solid % Moisture: 17.0 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/30/2011 1755			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		23	B	0.076	22
Cadmium		ND		0.039	0.22
Chromium		11		0.22	0.54
Silver		ND		0.11	0.54
Arsenic		4.7		0.32	1.1
Lead		6.9		0.20	0.32
Selenium		ND		0.48	0.54

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/30/2011 1129			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-125_6-8(20110825)**

Lab Sample ID: 240-3228-4 Date Sampled: 08/25/2011 0905
Client Matrix: Solid % Moisture: 20.7 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	08/30/2011 1744			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		18	J B	0.085	24
Cadmium		ND		0.043	0.24
Chromium		14		0.24	0.60
Silver		ND		0.12	0.60
Arsenic		4.8		0.36	1.2
Lead		2.7		0.23	0.36
Selenium		ND		0.54	0.60

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.73 g
Analysis Date:	08/30/2011 1127			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	J	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-126_2-4(20110825)**

Lab Sample ID: 240-3228-5 Date Sampled: 08/25/2011 1135
Client Matrix: Solid % Moisture: 22.3 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	08/30/2011 1801			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		110	B	0.082	23
Cadmium		ND		0.042	0.23
Chromium		19		0.23	0.58
Silver		ND		0.12	0.58
Arsenic		5.8		0.35	1.2
Lead		4.0		0.22	0.35
Selenium		ND		0.52	0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/30/2011 1133			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	J	0.019	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-126_6-8(20110825)**

Lab Sample ID: 240-3228-6 Date Sampled: 08/25/2011 1110
Client Matrix: Solid % Moisture: 21.2 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	08/30/2011 1749			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		17	J B	0.079	22
Cadmium		ND		0.040	0.22
Chromium		15		0.22	0.56
Silver		ND		0.11	0.56
Arsenic		4.7		0.33	1.1
Lead		2.6		0.21	0.33
Selenium		ND		0.50	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.86 g
Analysis Date:	08/30/2011 1128			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.013	0.089

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Analysis Date:	08/30/2011 1658			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		98	B	0.085	24
Cadmium		0.11	J	0.043	0.24
Chromium		15		0.24	0.60
Silver		ND		0.12	0.60
Arsenic		5.4		0.36	1.2
Lead		9.7		0.23	0.36
Selenium		ND		0.54	0.60

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	08/30/2011 1121			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	J	0.018	0.12

General Chemistry

Client Sample ID: **ASB-124_2-4(20110824)**

Lab Sample ID: 240-3228-1 Date Sampled: 08/24/2011 1820

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-124_6-8(20110824)**

Lab Sample ID: 240-3228-2 Date Sampled: 08/24/2011 1745

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-125_3-5(20110825)**

Lab Sample ID: 240-3228-3 Date Sampled: 08/25/2011 0918

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-125_6-8(20110825)**

Lab Sample ID: 240-3228-4 Date Sampled: 08/25/2011 0905

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-126_2-4(20110825)**

Lab Sample ID: 240-3228-5 Date Sampled: 08/25/2011 1135

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-126_6-8(20110825)**

Lab Sample ID: 240-3228-6 Date Sampled: 08/25/2011 1110

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-127_0-2(20110825)**

Lab Sample ID: 240-3228-7 Date Sampled: 08/25/2011 1340

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-13679					
LCS 240-13679/2-A	Lab Control Sample	T	Solid	5035	
MB 240-13679/1-A	Method Blank	T	Solid	5035	
240-3228-1	ASB-124_2-4(20110824)	T	Solid	5035	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	5035	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	5035	
240-3228-8TB	MB-003(20110825)	T	Solid	5035	
Analysis Batch:240-13749					
LCS 240-13679/2-A	Lab Control Sample	T	Solid	8260B	240-13679
MB 240-13679/1-A	Method Blank	T	Solid	8260B	240-13679
240-3228-1	ASB-124_2-4(20110824)	T	Solid	8260B	240-13679
240-3228-2	ASB-124_6-8(20110824)	T	Solid	8260B	240-13679
240-3228-7	ASB-127_0-2(20110825)	T	Solid	8260B	240-13679
240-3228-8TB	MB-003(20110825)	T	Solid	8260B	240-13679

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-13499					
LCS 240-13499/17-A	Lab Control Sample	T	Solid	3540C	
MB 240-13499/18-A	Method Blank	T	Solid	3540C	
240-3221-E-1-B MS	Matrix Spike	T	Solid	3540C	
240-3221-E-1-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3228-1	ASB-124_2-4(20110824)	T	Solid	3540C	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	3540C	
240-3228-3	ASB-125_3-5(20110825)	T	Solid	3540C	
240-3228-5	ASB-126_2-4(20110825)	T	Solid	3540C	
240-3228-6	ASB-126_6-8(20110825)	T	Solid	3540C	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	3540C	
Analysis Batch:240-13868					
LCS 240-13499/17-A	Lab Control Sample	T	Solid	8270C	240-13499
MB 240-13499/18-A	Method Blank	T	Solid	8270C	240-13499
240-3221-E-1-B MS	Matrix Spike	T	Solid	8270C	240-13499
240-3221-E-1-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-13499
240-3228-1	ASB-124_2-4(20110824)	T	Solid	8270C	240-13499
240-3228-2	ASB-124_6-8(20110824)	T	Solid	8270C	240-13499
240-3228-3	ASB-125_3-5(20110825)	T	Solid	8270C	240-13499
240-3228-5	ASB-126_2-4(20110825)	T	Solid	8270C	240-13499
240-3228-6	ASB-126_6-8(20110825)	T	Solid	8270C	240-13499
240-3228-7	ASB-127_0-2(20110825)	T	Solid	8270C	240-13499
Prep Batch: 240-14178					
LCS 240-14178/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-14178/21-A	Method Blank	T	Solid	3540C	
240-3228-4	ASB-125_6-8(20110825)	T	Solid	3540C	
240-3335-M-11-B MS	Matrix Spike	T	Solid	3540C	
240-3335-M-11-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-14495					
MB 240-14178/21-A	Method Blank	T	Solid	8270C	240-14178
240-3228-4	ASB-125_6-8(20110825)	T	Solid	8270C	240-14178
240-3335-M-11-B MS	Matrix Spike	T	Solid	8270C	240-14178
240-3335-M-11-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14178
Analysis Batch:240-14947					
LCS 240-14178/22-A	Lab Control Sample	T	Solid	8270C	240-14178

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-13772					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-13772/1-A	Method Blank	T	Solid	5035	
240-3228-1	ASB-124_2-4(20110824)	T	Solid	5035	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	5035	
Analysis Batch:240-14219					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	WI-GRO	240-13772
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-13772
MB 240-13772/1-A	Method Blank	T	Solid	WI-GRO	240-13772
240-3228-1	ASB-124_2-4(20110824)	T	Solid	WI-GRO	240-13772
240-3228-2	ASB-124_6-8(20110824)	T	Solid	WI-GRO	240-13772

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13488					
LCS 240-13488/13-A	Lab Control Sample	T	Solid	3540C	
MB 240-13488/14-A	Method Blank	T	Solid	3540C	
240-3214-B-3-B MS	Matrix Spike	T	Solid	3540C	
240-3214-B-3-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	3540C	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	3540C	
Prep Batch: 240-13507					
LCS 240-13507/13-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-13507/14-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-13507/12-A	Method Blank	T	Solid	WI DRO PREP	
240-3228-1	ASB-124_2-4(20110824)	T	Solid	WI DRO PREP	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	WI DRO PREP	
240-3228-3	ASB-125_3-5(20110825)	T	Solid	WI DRO PREP	
240-3228-4	ASB-125_6-8(20110825)	T	Solid	WI DRO PREP	
240-3228-5	ASB-126_2-4(20110825)	T	Solid	WI DRO PREP	
240-3228-6	ASB-126_6-8(20110825)	T	Solid	WI DRO PREP	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	WI DRO PREP	
Analysis Batch:240-13692					
LCS 240-13488/13-A	Lab Control Sample	T	Solid	8082	240-13488
MB 240-13488/14-A	Method Blank	T	Solid	8082	240-13488
240-3214-B-3-B MS	Matrix Spike	T	Solid	8082	240-13488
240-3214-B-3-C MSD	Matrix Spike Duplicate	T	Solid	8082	240-13488
240-3228-2	ASB-124_6-8(20110824)	T	Solid	8082	240-13488
240-3228-7	ASB-127_0-2(20110825)	T	Solid	8082	240-13488
Analysis Batch:240-13753					
LCS 240-13507/13-A	Lab Control Sample	T	Solid	WI-DRO	240-13507
LCSD 240-13507/14-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-13507
MB 240-13507/12-A	Method Blank	T	Solid	WI-DRO	240-13507
Analysis Batch:240-14030					
240-3228-4	ASB-125_6-8(20110825)	T	Solid	WI-DRO	240-13507
240-3228-6	ASB-126_6-8(20110825)	T	Solid	WI-DRO	240-13507
Analysis Batch:240-14373					
240-3228-1	ASB-124_2-4(20110824)	T	Solid	WI-DRO	240-13507
240-3228-2	ASB-124_6-8(20110824)	T	Solid	WI-DRO	240-13507
240-3228-3	ASB-125_3-5(20110825)	T	Solid	WI-DRO	240-13507
240-3228-5	ASB-126_2-4(20110825)	T	Solid	WI-DRO	240-13507
240-3228-7	ASB-127_0-2(20110825)	T	Solid	WI-DRO	240-13507

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13590					
LCS 240-13590/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-13590/1-A	Method Blank	T	Solid	3050B	
240-3228-1	ASB-124_2-4(20110824)	T	Solid	3050B	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	3050B	
240-3228-3	ASB-125_3-5(20110825)	T	Solid	3050B	
240-3228-4	ASB-125_6-8(20110825)	T	Solid	3050B	
240-3228-5	ASB-126_2-4(20110825)	T	Solid	3050B	
240-3228-6	ASB-126_6-8(20110825)	T	Solid	3050B	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	3050B	
240-3228-7MS	Matrix Spike	T	Solid	3050B	
240-3228-7MSD	Matrix Spike Duplicate	T	Solid	3050B	
Prep Batch: 240-13600					
LCS 240-13600/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-13600/1-A	Method Blank	T	Solid	7471A	
240-3228-1	ASB-124_2-4(20110824)	T	Solid	7471A	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	7471A	
240-3228-3	ASB-125_3-5(20110825)	T	Solid	7471A	
240-3228-4	ASB-125_6-8(20110825)	T	Solid	7471A	
240-3228-5	ASB-126_2-4(20110825)	T	Solid	7471A	
240-3228-6	ASB-126_6-8(20110825)	T	Solid	7471A	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	7471A	
240-3228-7MS	Matrix Spike	T	Solid	7471A	
240-3228-7MSD	Matrix Spike Duplicate	T	Solid	7471A	
Analysis Batch:240-13779					
LCS 240-13600/2-A	Lab Control Sample	T	Solid	7471A	240-13600
MB 240-13600/1-A	Method Blank	T	Solid	7471A	240-13600
240-3228-1	ASB-124_2-4(20110824)	T	Solid	7471A	240-13600
240-3228-2	ASB-124_6-8(20110824)	T	Solid	7471A	240-13600
240-3228-3	ASB-125_3-5(20110825)	T	Solid	7471A	240-13600
240-3228-4	ASB-125_6-8(20110825)	T	Solid	7471A	240-13600
240-3228-5	ASB-126_2-4(20110825)	T	Solid	7471A	240-13600
240-3228-6	ASB-126_6-8(20110825)	T	Solid	7471A	240-13600
240-3228-7	ASB-127_0-2(20110825)	T	Solid	7471A	240-13600
240-3228-7MS	Matrix Spike	T	Solid	7471A	240-13600
240-3228-7MSD	Matrix Spike Duplicate	T	Solid	7471A	240-13600

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-13838					
LCS 240-13590/2-A	Lab Control Sample	T	Solid	6010B	240-13590
MB 240-13590/1-A	Method Blank	T	Solid	6010B	240-13590
240-3228-1	ASB-124_2-4(20110824)	T	Solid	6010B	240-13590
240-3228-2	ASB-124_6-8(20110824)	T	Solid	6010B	240-13590
240-3228-3	ASB-125_3-5(20110825)	T	Solid	6010B	240-13590
240-3228-4	ASB-125_6-8(20110825)	T	Solid	6010B	240-13590
240-3228-5	ASB-126_2-4(20110825)	T	Solid	6010B	240-13590
240-3228-6	ASB-126_6-8(20110825)	T	Solid	6010B	240-13590
240-3228-7	ASB-127_0-2(20110825)	T	Solid	6010B	240-13590
240-3228-7MS	Matrix Spike	T	Solid	6010B	240-13590
240-3228-7MSD	Matrix Spike Duplicate	T	Solid	6010B	240-13590

Report Basis
T = Total

General Chemistry

Analysis Batch:240-13486					
240-3228-1	ASB-124_2-4(20110824)	T	Solid	Moisture	
240-3228-2	ASB-124_6-8(20110824)	T	Solid	Moisture	
240-3228-3	ASB-125_3-5(20110825)	T	Solid	Moisture	
240-3228-4	ASB-125_6-8(20110825)	T	Solid	Moisture	
240-3228-4DU	Duplicate	T	Solid	Moisture	
240-3228-5	ASB-126_2-4(20110825)	T	Solid	Moisture	
240-3228-6	ASB-126_6-8(20110825)	T	Solid	Moisture	
240-3228-7	ASB-127_0-2(20110825)	T	Solid	Moisture	
240-3244-A-1 DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3228-1	ASB-124_2-4(20110824)	88	73	76	83
240-3228-2	ASB-124_6-8(20110824)	77	69	64	72
240-3228-7	ASB-127_0-2(20110825)	75	66	62	72
240-3228-8	MB-003(20110825)	97	86	77	92
MB 240-13679/1-A		93	76	75	81
LCS 240-13679/2-A		89	85	80	87

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3228-7	ASB-127_0-2(20110825)	55	62	51	52	57	70
MB 240-13499/18-A		56	61	48	54	57	72
MB 240-14178/21-A		37	48	42	39	47	52
LCS 240-13499/17-A		72	79	63	75	80	84
LCS 240-14178/22-A		58	66	63	60	67	79
240-3221-E-1-B MS		51	54	43	50	55	72
240-3335-M-11-B MS		51	56	37	48	58	70
240-3221-E-1-C MSD		55	57	51	52	60	75
240-3335-M-11-C MSD		54	78	52	56	84	85

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3228-1	ASB-124_2-4(20110824)	65	54	50	44	53	78
240-3228-2	ASB-124_6-8(20110824)	31	35	43	39	37	57
240-3228-3	ASB-125_3-5(20110825)	41	60	67	58	58	73
240-3228-4	ASB-125_6-8(20110825)	43	75	103	78	95	91
240-3228-5	ASB-126_2-4(20110825)	22	47	52	43	45	63
240-3228-6	ASB-126_6-8(20110825)	24	47	59	47	48	64

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-3228-2	ASB-124_6-8(20110824)	76	81
240-3228-7	ASB-127_0-2(20110825)	84	85
MB 240-13488/14-A		77	90
LCS 240-13488/13-A		86	96
240-3214-B-3-B MS		0X	141
240-3214-B-3-C MSD		0X	127

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13679 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-13679/1-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140496.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1235	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13679

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-13679/1-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140496.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1235	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	10.2	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	112	J	49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	39 - 128
4-Bromofluorobenzene (Surr)	76	26 - 141
Dibromofluoromethane (Surr)	75	30 - 122
Toluene-d8 (Surr)	81	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Control Sample - Batch: 240-13679

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13679/2-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140495.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1213	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	419	84	27 - 121	
1,1,1-Trichloroethane	500	449	90	38 - 122	
1,1,2,2-Tetrachloroethane	500	595	119	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	510	102	48 - 151	
1,1,2-Trichloroethane	500	560	112	74 - 114	
1,1-Dichloroethane	500	492	98	63 - 117	
1,1-Dichloroethene	500	486	97	44 - 143	
1,1-Dichloropropene	500	510	102	60 - 123	
1,2,3-Trichlorobenzene	500	468	94	43 - 129	
1,2,3-Trichloropropane	500	590	118	74 - 124	
1,2,4-Trichlorobenzene	500	434	87	41 - 135	
1,2,4-Trimethylbenzene	500	505	101	62 - 133	
1,2-Dibromo-3-Chloropropane	500	505	101	10 - 129	
1,2-Dibromoethane	500	540	108	47 - 123	
1,2-Dichlorobenzene	500	505	101	68 - 118	
1,2-Dichloroethane	500	510	102	68 - 119	
1,2-Dichloropropane	500	510	102	73 - 113	
1,3,5-Trimethylbenzene	500	483	97	60 - 130	
1,3-Dichlorobenzene	500	510	102	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	505	101	65 - 119	
2,2-Dichloropropane	500	395	79	25 - 123	
2-Butanone (MEK)	1000	1220	122	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1280	128	43 - 130	
4-Chlorotoluene	500	495	99	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1230	123	49 - 121	*
Acetone	1000	885	89	16 - 156	J
Benzene	500	520	104	70 - 117	
Bromobenzene	500	500	100	72 - 120	
Bromochloromethane	500	500	100	56 - 128	
Bromodichloromethane	500	405	81	28 - 123	
Bromoform	500	505	101	10 - 117	
Bromomethane	500	316	63	10 - 114	
Carbon disulfide	500	327	65	10 - 132	
Carbon tetrachloride	500	405	81	29 - 118	
Chlorobenzene	500	499	100	71 - 116	
Chloroethane	500	440	88	10 - 120	
Chloroform	500	492	98	63 - 116	
Chloromethane	500	412	82	25 - 110	
cis-1,2-Dichloroethene	500	495	99	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Control Sample - Batch: 240-13679

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13679/2-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140495.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1213	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	397	79	25 - 120	
Cyclohexane	500	479	96	40 - 120	J
Chlorodibromomethane	500	384	77	22 - 113	
Dibromomethane	500	540	108	68 - 118	
Dichlorodifluoromethane	500	292	58	10 - 110	
Ethyl ether	500	515	103	70 - 130	
Ethylbenzene	500	498	100	66 - 119	
Hexachlorobutadiene	500	448	90	34 - 135	
Isopropylbenzene	500	486	97	61 - 123	
Methyl acetate	500	590	118	44 - 173	
Methyl tert butyl ether	500	540	108	34 - 157	J
Methylcyclohexane	500	499	100	41 - 133	J
Methylene Chloride	500	432	86	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	496	99	37 - 126	
n-Butylbenzene	500	505	101	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	510	102	68 - 120	
p-Isopropyltoluene	500	493	99	56 - 136	
sec-Butylbenzene	500	489	98	58 - 131	
Styrene	500	442	88	60 - 120	
tert-Butylbenzene	500	467	93	58 - 128	
Tetrachloroethene	500	515	103	58 - 131	
Tetrahydrofuran	500	645	129	70 - 130	J
Toluene	500	525	105	66 - 123	
trans-1,2-Dichloroethene	500	470	94	58 - 121	
trans-1,3-Dichloropropene	500	422	84	22 - 122	
Trichloroethene	500	510	102	59 - 124	
Trichlorofluoromethane	500	346	69	17 - 145	
Vinyl chloride	500	428	86	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	80	30 - 122
Toluene-d8 (Surr)	87	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13499

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-13499/18-A	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/31/2011 1053	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	34 - 110
2,4,6-Tribromophenol (Surr)	48	10 - 118
2-Fluorophenol (Surr)	61	26 - 110
Nitrobenzene-d5 (Surr)	54	24 - 112
Phenol-d5 (Surr)	57	28 - 110
Terphenyl-d14 (Surr)	72	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Control Sample - Batch: 240-13499

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-13499/17-A	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/31/2011 1110	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	508	76	46 - 110	
Acenaphthene	667	498	75	46 - 110	
Acenaphthylene	667	501	75	47 - 110	
Anthracene	667	508	76	56 - 111	
Benzo[a]anthracene	667	507	76	58 - 111	
Benzo[a]pyrene	667	459	69	44 - 115	
Benzo[b]fluoranthene	667	510	76	43 - 124	
Benzo[g,h,i]perylene	667	540	81	44 - 120	
Benzo[k]fluoranthene	667	519	78	38 - 122	
Chrysene	667	529	79	56 - 111	
Dibenz(a,h)anthracene	667	542	81	45 - 122	
Fluoranthene	667	534	80	55 - 118	
Fluorene	667	507	76	51 - 110	
Indeno[1,2,3-cd]pyrene	667	536	80	45 - 121	
Naphthalene	667	471	71	42 - 110	
Phenanthrene	667	505	76	54 - 110	
Pyrene	667	506	76	58 - 113	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	72	34 - 110
2,4,6-Tribromophenol (Surr)	63	10 - 118
2-Fluorophenol (Surr)	79	26 - 110
Nitrobenzene-d5 (Surr)	75	24 - 112
Phenol-d5 (Surr)	80	28 - 110
Terphenyl-d14 (Surr)	84	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13499

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3221-E-1-B MS	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/31/2011 1823			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3221-E-1-C MSD	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.93 g
Analysis Date:	08/31/2011 1840			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	53	56	50 - 130	6	30		
2,2'-oxybis[1-chloropropane]	49	52	25 - 124	5	30		
2,4,5-Trichlorophenol	51	60	32 - 112	16	30		
2,4,6-Trichlorophenol	37	43	22 - 110	16	30		
2,4-Dichlorophenol	54	59	33 - 110	8	30		
2,4-Dimethylphenol	52	57	19 - 114	11	30		
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
2,4-Dinitrotoluene	64	72	42 - 118	12	30		
2,6-Dinitrotoluene	65	73	28 - 137	11	30		
2-Chloronaphthalene	53	57	40 - 110	8	30		
2-Chlorophenol	52	57	32 - 110	9	30		
2-Methylnaphthalene	53	58	10 - 200	10	30		
2-Methylphenol	53	62	19 - 124	16	30		
2-Nitroaniline	63	71	31 - 141	12	30		
2-Nitrophenol	44	51	17 - 110	13	30		
3,3'-Dichlorobenzidine	0	36	10 - 110	NC	30	F	
3-Nitroaniline	57	63	24 - 110	10	30		
4,6-Dinitro-2-methylphenol	0	15	10 - 110	NC	30	F	J
4-Bromophenyl phenyl ether	62	67	44 - 120	7	30		
4-Chloro-3-methylphenol	59	69	32 - 117	17	30		
4-Chloroaniline	40	48	11 - 110	17	30		
4-Chlorophenyl phenyl ether	61	67	47 - 116	10	30		
4-Nitroaniline	60	68	23 - 124	13	30		
4-Nitrophenol	12	24	10 - 125	64	30	J	J F
Acenaphthene	56	62	10 - 200	11	30		
Acenaphthylene	56	60	10 - 200	8	30		
Acetophenone	53	58	50 - 130	10	30		
Anthracene	68	72	10 - 200	6	30		
Atrazine	79	84	50 - 130	6	30		
Benzaldehyde	60	61	10 - 130	2	30		
Benzo[a]anthracene	64	67	10 - 200	4	30		
Benzo[a]pyrene	59	62	10 - 200	5	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13499

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3221-E-1-B MS	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/31/2011 1823			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3221-E-1-C MSD	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.93 g
Analysis Date:	08/31/2011 1840			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	64	65	10 - 200	3	30		
Benzo[g,h,i]perylene	70	73	10 - 200	5	30		
Benzo[k]fluoranthene	67	73	10 - 200	9	30		
Bis(2-chloroethoxy)methane	52	55	36 - 110	6	30		
Bis(2-chloroethyl)ether	55	58	32 - 118	4	30		
Bis(2-ethylhexyl) phthalate	73	77	10 - 200	6	30		
Butyl benzyl phthalate	70	74	43 - 138	6	30		
Caprolactam	16	46	50 - 130	95	30	J F	J F
Carbazole	66	71	10 - 162	7	30		
Chrysene	66	70	10 - 200	6	30		
Dibenz(a,h)anthracene	68	72	10 - 200	6	30		
Dibenzofuran	58	64	10 - 200	11	30		
Diethyl phthalate	63	69	48 - 118	10	30		
Dimethyl phthalate	63	69	47 - 116	9	30		
Di-n-butyl phthalate	68	74	31 - 145	8	30		
Di-n-octyl phthalate	72	74	10 - 182	4	30		
Fluoranthene	70	75	10 - 200	7	30		
Fluorene	58	66	10 - 187	13	30		
Hexachlorobenzene	61	68	37 - 122	12	30		
Hexachlorobutadiene	46	48	30 - 110	4	30		
Hexachlorocyclopentadiene	12	16	10 - 110	34	30	J	J F
Hexachloroethane	47	46	13 - 110	2	30		
Indeno[1,2,3-cd]pyrene	69	73	10 - 200	7	30		
Isophorone	51	56	32 - 129	10	30		
Naphthalene	50	52	10 - 200	4	30	J	
Nitrobenzene	53	54	33 - 111	3	30		
N-Nitrosodi-n-propylamine	51	55	30 - 121	7	30		
N-Nitrosodiphenylamine	64	69	10 - 169	8	30		
Pentachlorophenol	39	47	10 - 182	18	30		
Phenol	54	60	10 - 144	11	30		
Phenanthrene	62	67	10 - 200	8	30		
Pyrene	67	69	10 - 200	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13499

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3221-E-1-B MS	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/31/2011 1823			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3221-E-1-C MSD	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.93 g
Analysis Date:	08/31/2011 1840			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	50	57	27 - 116	14	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	51	55	34 - 110
2,4,6-Tribromophenol (Surr)	43	51	10 - 118
2-Fluorophenol (Surr)	54	57	26 - 110
Nitrobenzene-d5 (Surr)	50	52	24 - 112
Phenol-d5 (Surr)	55	60	28 - 110
Terphenyl-d14 (Surr)	72	75	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-14178

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14178/21-A	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/07/2011 1510	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	37	34 - 110
2,4,6-Tribromophenol (Surr)	42	10 - 118
2-Fluorophenol (Surr)	48	26 - 110
Nitrobenzene-d5 (Surr)	39	24 - 112
Phenol-d5 (Surr)	47	28 - 110
Terphenyl-d14 (Surr)	52	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Lab Control Sample - Batch: 240-14178

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14178/22-A	Analysis Batch:	240-14947	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0912009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/12/2011 1051	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	414	62	46 - 110	
Acenaphthene	667	419	63	46 - 110	
Acenaphthylene	667	424	64	47 - 110	
Anthracene	667	488	73	56 - 111	
Benzo[a]anthracene	667	482	72	58 - 111	
Benzo[a]pyrene	667	445	67	44 - 115	
Benzo[b]fluoranthene	667	491	74	43 - 124	
Benzo[g,h,i]perylene	667	513	77	44 - 120	
Benzo[k]fluoranthene	667	489	73	38 - 122	
Chrysene	667	504	76	56 - 111	
Dibenz(a,h)anthracene	667	493	74	45 - 122	
Fluoranthene	667	512	77	55 - 118	
Fluorene	667	449	67	51 - 110	
Indeno[1,2,3-cd]pyrene	667	507	76	45 - 121	
Naphthalene	667	392	59	42 - 110	
Phenanthrene	667	485	73	54 - 110	
Pyrene	667	488	73	58 - 113	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	34 - 110
2,4,6-Tribromophenol (Surr)	63	10 - 118
2-Fluorophenol (Surr)	66	26 - 110
Nitrobenzene-d5 (Surr)	60	24 - 112
Phenol-d5 (Surr)	67	28 - 110
Terphenyl-d14 (Surr)	79	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14178

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3335-M-11-B MS	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 2028			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3335-M-11-C MSD	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 2045			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	53	58	10 - 200	8	30		
Acenaphthene	56	61	10 - 200	9	30		
Acenaphthylene	56	63	10 - 200	12	30		
Anthracene	63	75	10 - 200	17	30		
Benzo[a]anthracene	63	76	10 - 200	19	30		
Benzo[a]pyrene	57	69	10 - 200	19	30		
Benzo[b]fluoranthene	60	73	10 - 200	19	30		
Benzo[g,h,i]perylene	67	81	10 - 200	19	30		
Benzo[k]fluoranthene	66	80	10 - 200	19	30		
Chrysene	65	80	10 - 200	20	30		
Dibenz(a,h)anthracene	68	83	10 - 200	20	30		
Fluoranthene	66	81	10 - 200	20	30		
Fluorene	59	67	10 - 187	13	30		
Indeno[1,2,3-cd]pyrene	66	81	10 - 200	20	30		
Naphthalene	48	52	10 - 200	6	30	J	
Phenanthrene	61	73	10 - 200	18	30		
Pyrene	64	77	10 - 200	18	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	51	54	34 - 110
2,4,6-Tribromophenol (Surr)	37	52	10 - 118
2-Fluorophenol (Surr)	56	78	26 - 110
Nitrobenzene-d5 (Surr)	48	56	24 - 112
Phenol-d5 (Surr)	58	84	28 - 110
Terphenyl-d14 (Surr)	70	85	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13772 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-13772/1-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090215.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1825	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13772 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-13772/2-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1906	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13772/3-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/03/2011 0628	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	91	93	80 - 120	2	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13488

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-13488/14-A	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1541	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	29 - 151
DCB Decachlorobiphenyl	90	14 - 163

Lab Control Sample - Batch: 240-13488

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-13488/13-A	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1526	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	292	88	62 - 120	
Aroclor-1260	333	302	91	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	86	29 - 151
DCB Decachlorobiphenyl	96	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13488

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3214-B-3-B MS	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083018.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	29.97 g
Analysis Date:	08/30/2011 1440			Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3214-B-3-C MSD	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083020.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	08/30/2011 1511			Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	86	91	22 - 157	6	30		
Aroclor-1260	182	201	13 - 161	9	30	F	F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	0	X	0	X	29 - 151
DCB Decachlorobiphenyl	141		127		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13507

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-13507/12-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-13507	Lab File ID:	P6F83017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1810	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	3.15	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13507

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-13507/13-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-13507	Lab File ID:	P6F83018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1840	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13507/14-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-13507	Lab File ID:	P6F83030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/31/2011 0024	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	94	97	70 - 120	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13590

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-13590/1-A	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/30/2011 1647	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.153	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-13590

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-13590/2-A	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/30/2011 1652	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	196	98	80 - 120	
Cadmium	5.00	4.77	95	80 - 120	
Chromium	20.0	19.3	97	80 - 120	
Silver	5.00	4.56	91	80 - 120	
Arsenic	200	184	92	80 - 120	
Lead	50.0	47.8	96	80 - 120	
Selenium	200	184	92	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13590

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3228-7	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/30/2011 1709			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3228-7	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/30/2011 1715			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	88	93	75 - 125	4	20		
Cadmium	83	86	75 - 125	3	20		
Chromium	106	104	75 - 125	1	20		
Silver	80	84	75 - 125	5	20		
Arsenic	82	85	75 - 125	4	20		
Lead	84	85	75 - 125	2	20		
Selenium	82	85	75 - 125	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Method Blank - Batch: 240-13600

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-13600/1-A	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/30/2011 1118	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-13600

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-13600/2-A	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/30/2011 1119	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.797	96	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13600

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3228-7	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/30/2011 1122			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3228-7	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/30/2011 1123			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	93	95	11 - 192	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3228-1

Duplicate - Batch: 240-13486

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3228-4	Analysis Batch:	240-13486	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/27/2011 1012	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	77	3	20	
Percent Moisture	21	23	12	20	

Duplicate - Batch: 240-13486

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3244-A-1 DU	Analysis Batch:	240-13486	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/27/2011 1012	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids		77			
Percent Moisture		23			

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3228-1

Login Number: 3228

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6, 2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

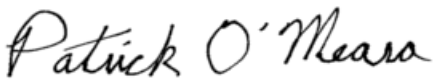
ANALYTICAL REPORT

Job Number: 240-3236-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/19/2011 12:59 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/19/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3236-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/26/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 and 3.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-123_2-4(20110824) (240-3236-1), ASB-123_6-8(20110824) (240-3236-2) and MB-002(20110825) (240-3236-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/30/2011.

Naphthalene and Tetrahydrofuran were detected in method blank MB 240-13679/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

The laboratory control sample (LCS) for batch 13679 exceeded control limits for the following analyte: 4-Methyl-2-Pentanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Refer to the QC report for details.

Sample ASB-123_6-8(20110824) (240-3236-2)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13679 for these samples ASB-123_2-4(20110824) (240-3236-1), ASB-123_6-8(20110824) (240-3236-2), and MB-002(20110825) (240-3236-3).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for semivolatile organic

compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 08/31/2011 and 09/02/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Dibenz(a,h)anthracene failed the recovery criteria low for the MS/MSD of sample 240-3244-4 in batch 240-14003. Refer to the QC report for details.

Sample ASB-123_6-8(20110824) (240-3236-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/03/2011.

Sample ASB-123_6-8(20110824) (240-3236-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13772 for these samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2).

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 08/30/2011 and 08/31/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for 240-3214-B-3-B MS and MSD. Aroclor-1260 failed the recovery criteria high for the MS/MSD of sample 240-3214-3 in batch 240-13692. Refer to the QC report for details.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-3214-3 MS), (240-3214-3 MSD), ASB-123_2-4(20110824) (240-3236-1), DUH1130-05 (240-3265-4 MS), DUH1130-05 (240-3265-4 MSD).ASB-123_6-8(20110824) (240-3236-2), and SO-4869-082511-DS-070 (240-3214-3).

The following samples were diluted due to the nature of the sample matrix: SO-4869-082511-DS-070 (240-3214-3). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/06/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-13507/12-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13507 for these samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 08/30/2011.

Barium was detected in method blank MB 240-13590/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 08/30/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-123_2-4(20110824) (240-3236-1) and ASB-123_6-8(20110824) (240-3236-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/27/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3236-1	**ASB-123_2-4(20110824)**					
1,2,4-Trimethylbenzene		120	J	300	ug/Kg	8260B
1,3,5-Trimethylbenzene		110	J	300	ug/Kg	8260B
Cyclohexane		670		600	ug/Kg	8260B
Ethylbenzene		150	J	300	ug/Kg	8260B
Isopropylbenzene		42	J	300	ug/Kg	8260B
Methyl acetate		140	J	600	ug/Kg	8260B
Methylcyclohexane		520	J	600	ug/Kg	8260B
m-Xylene & p-Xylene		150	J	600	ug/Kg	8260B
Naphthalene		18	J B	300	ug/Kg	8260B
n-Butylbenzene		13	J	300	ug/Kg	8260B
N-Propylbenzene		170	J	300	ug/Kg	8260B
o-Xylene		73	J	300	ug/Kg	8260B
Toluene		41	J	300	ug/Kg	8260B
2-Methylnaphthalene		5.4	J	420	ug/Kg	8270C
Acenaphthene		15	J	420	ug/Kg	8270C
Benzo[a]pyrene		5.3	J	420	ug/Kg	8270C
Fluoranthene		16	J	420	ug/Kg	8270C
Fluorene		8.6	J	420	ug/Kg	8270C
Naphthalene		8.8	J	420	ug/Kg	8270C
Phenanthrene		13	J	420	ug/Kg	8270C
Pyrene		11	J	420	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		39		12	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		12		10	mg/Kg	WI-DRO
Barium		99	B	21	mg/Kg	6010B
Cadmium		0.068	J	0.21	mg/Kg	6010B
Chromium		15		0.53	mg/Kg	6010B
Arsenic		4.0		1.1	mg/Kg	6010B
Lead		7.6		0.32	mg/Kg	6010B
Selenium		0.66		0.53	mg/Kg	6010B
Mercury		0.022	J	0.11	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3236-2	**ASB-123_6-8(20110824)**					
1,2,4-Trimethylbenzene		31000		1300	ug/Kg	8260B
1,3,5-Trimethylbenzene		9500		1300	ug/Kg	8260B
Benzene		8400		1300	ug/Kg	8260B
Cyclohexane		11000		2700	ug/Kg	8260B
Ethylbenzene		15000		1300	ug/Kg	8260B
Isopropylbenzene		1200	J	1300	ug/Kg	8260B
Methylcyclohexane		6400		2700	ug/Kg	8260B
m-Xylene & p-Xylene		47000		2700	ug/Kg	8260B
Naphthalene		3600	B	1300	ug/Kg	8260B
n-Butylbenzene		2700		1300	ug/Kg	8260B
N-Propylbenzene		6400		1300	ug/Kg	8260B
o-Xylene		16000		1300	ug/Kg	8260B
p-Isopropyltoluene		240	J	1300	ug/Kg	8260B
sec-Butylbenzene		580	J	1300	ug/Kg	8260B
Toluene		24000		1300	ug/Kg	8260B
2-Methylnaphthalene		1400		920	ug/Kg	8270C
Fluoranthene		31	J	920	ug/Kg	8270C
Fluorene		18	J	920	ug/Kg	8270C
Naphthalene		980		920	ug/Kg	8270C
Phenanthrene		41	J	920	ug/Kg	8270C
Pyrene		32	J	920	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		390		140	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		46		12	mg/Kg	WI-DRO
Barium		88	B	23	mg/Kg	6010B
Cadmium		0.30		0.23	mg/Kg	6010B
Chromium		11		0.56	mg/Kg	6010B
Arsenic		3.4		1.1	mg/Kg	6010B
Lead		12		0.34	mg/Kg	6010B
Selenium		0.55	J	0.56	mg/Kg	6010B
Mercury		0.036	J	0.096	mg/Kg	7471A
Percent Solids		72		0.10	%	Moisture
Percent Moisture		28		0.10	%	Moisture
240-3236-3	**MB-002(20110825)**					
Tetrahydrofuran		92	J B	1000	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
SW846 8082	Kuster, Rhonda	RK
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Davies, Brian	BD
EPA Moisture	Martin, Aaron	AM

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3236-1	ASB-123_2-4(20110824)	Solid	08/24/2011 1630	08/26/2011 0900
240-3236-2	ASB-123_6-8(20110824)	Solid	08/24/2011 1615	08/26/2011 0900
240-3236-3	MB-002(20110825)	Solid	08/25/2011 0000	08/26/2011 0900

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140498.D
Dilution:	1.0			Initial Weight/Volume:	26.43 g
Analysis Date:	08/30/2011 1318			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		47	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		22	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.8	300
1,2,4-Trimethylbenzene		120	J	6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.9	300
1,3,5-Trimethylbenzene		110	J	7.0	300
1,3-Dichlorobenzene		ND		5.8	300
1,3-Dichloropropane		ND		27	300
1,4-Dichlorobenzene		ND		9.6	300
2,2-Dichloropropane		ND		28	300
2-Butanone (MEK)		ND		52	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		64	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND	*	58	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		16	300
Bromochloromethane		ND		16	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.7	300
Chlorobenzene		ND		7.7	300
Chloroethane		ND		73	300
Chloroform		ND		11	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.3	300
cis-1,3-Dichloropropene		ND		9.5	300
Cyclohexane		670		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140498.D
Dilution:	1.0			Initial Weight/Volume:	26.43 g
Analysis Date:	08/30/2011 1318			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		150	J	6.5	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		42	J	7.8	300
Methyl acetate		140	J	30	600
Methyl tert butyl ether		ND		8.6	1200
Methylcyclohexane		520	J	14	600
Methylene Chloride		ND		93	300
m-Xylene & p-Xylene		150	J	7.5	600
Naphthalene		18	J B	8.1	300
n-Butylbenzene		13	J	9.6	300
N-Propylbenzene		170	J	17	300
o-Xylene		73	J	10	300
p-Isopropyltoluene		ND		5.8	300
sec-Butylbenzene		ND		5.7	300
Styrene		ND		6.7	300
tert-Butylbenzene		ND		7.8	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		59	1200
Toluene		41	J	20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		22	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	73		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140497.D
Dilution:	4.0			Initial Weight/Volume:	25.7 g
Analysis Date:	08/30/2011 1257			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		49	1300
1,1,1-Trichloroethane		ND		110	1300
1,1,2,2-Tetrachloroethane		ND		48	1300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		210	1300
1,1,2-Trichloroethane		ND		65	1300
1,1-Dichloroethane		ND		92	1300
1,1-Dichloroethene		ND		97	1300
1,1-Dichloropropene		ND		54	1300
1,2,3-Trichlorobenzene		ND		54	1300
1,2,3-Trichloropropane		ND		110	1300
1,2,4-Trichlorobenzene		ND		39	1300
1,2,4-Trimethylbenzene		31000		27	1300
1,2-Dibromo-3-Chloropropane		ND		270	2700
1,2-Dibromoethane		ND		54	1300
1,2-Dichlorobenzene		ND		46	1300
1,2-Dichloroethane		ND		54	1300
1,2-Dichloropropane		ND		44	1300
1,3,5-Trimethylbenzene		9500		31	1300
1,3-Dichlorobenzene		ND		26	1300
1,3-Dichloropropane		ND		120	1300
1,4-Dichlorobenzene		ND		43	1300
2,2-Dichloropropane		ND		120	1300
2-Butanone (MEK)		ND		230	5400
2-Chlorotoluene		ND		49	1300
2-Hexanone		ND		110	5400
Allyl chloride		ND		290	2700
4-Chlorotoluene		ND		53	1300
4-Methyl-2-pentanone (MIBK)		ND	*	260	5400
Acetone		ND		920	5400
Benzene		8400		65	1300
Bromobenzene		ND		70	1300
Bromochloromethane		ND		70	1300
Bromodichloromethane		ND		53	1300
Bromoform		ND		100	1300
Bromomethane		ND		160	1300
Carbon disulfide		ND		65	1300
Carbon tetrachloride		ND		34	1300
Chlorobenzene		ND		34	1300
Chloroethane		ND		330	1300
Chloroform		ND		47	1300
Chloromethane		ND		75	1300
cis-1,2-Dichloroethene		ND		37	1300
cis-1,3-Dichloropropene		ND		43	1300
Cyclohexane		11000		220	2700
Chlorodibromomethane		ND		65	1300
Dibromomethane		ND		75	1300

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140497.D
Dilution:	4.0			Initial Weight/Volume:	25.7 g
Analysis Date:	08/30/2011 1257			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		86	1300
Dichlorofluoromethane		ND		130	2700
Ethyl ether		ND		81	2700
Ethylbenzene		15000		29	1300
Hexachlorobutadiene		ND		75	1300
Isopropylbenzene		1200	J	35	1300
Methyl acetate		ND		130	2700
Methyl tert butyl ether		ND		38	5400
Methylcyclohexane		6400		65	2700
Methylene Chloride		ND		420	1300
m-Xylene & p-Xylene		47000		33	2700
Naphthalene		3600	B	36	1300
n-Butylbenzene		2700		43	1300
N-Propylbenzene		6400		75	1300
o-Xylene		16000		46	1300
p-Isopropyltoluene		240	J	26	1300
sec-Butylbenzene		580	J	25	1300
Styrene		ND		30	1300
tert-Butylbenzene		ND		35	1300
Tetrachloroethene		ND		65	1300
Tetrahydrofuran		ND		260	5400
Toluene		24000		92	1300
trans-1,2-Dichloroethene		ND		50	1300
trans-1,3-Dichloropropene		ND		110	1300
Trichloroethene		ND		52	1300
Trichlorofluoromethane		ND		86	1300
Vinyl chloride		ND		97	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	82		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	80		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **MB-002(20110825)**

Lab Sample ID: 240-3236-3 Date Sampled: 08/25/2011 0000
Client Matrix: Solid Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140499.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1340			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND	*	48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **MB-002(20110825)**

Lab Sample ID: 240-3236-3 Date Sampled: 08/25/2011 0000
Client Matrix: Solid Date Received: 08/26/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-13679	Lab File ID:	140499.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1340			Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		92	J B	49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		39 - 128
4-Bromofluorobenzene (Surr)	82		26 - 141
Dibromofluoromethane (Surr)	78		30 - 122
Toluene-d8 (Surr)	85		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14210	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13558	Lab File ID:	0902037.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	09/02/2011 2244			Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0831			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		5.4	J	4.2	420
Acenaphthene		15	J	4.2	420
Acenaphthylene		ND		4.2	420
Anthracene		ND		4.2	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		5.3	J	4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Fluoranthene		16	J	4.2	420
Fluorene		8.6	J	4.2	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Naphthalene		8.8	J	4.2	420
Phenanthrene		13	J	4.2	420
Pyrene		11	J	4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	54		10 - 118
2-Fluorobiphenyl (Surr)	49		34 - 110
2-Fluorophenol (Surr)	53		26 - 110
Nitrobenzene-d5 (Surr)	45		24 - 112
Phenol-d5 (Surr)	52		28 - 110
Terphenyl-d14 (Surr)	62		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-13499	Lab File ID:	0831039.D
Dilution:	2.0			Initial Weight/Volume:	29.97 g
Analysis Date:	08/31/2011 2037			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		1400		9.2	920
Acenaphthene		ND		9.2	920
Acenaphthylene		ND		9.2	920
Anthracene		ND		9.2	920
Benzo[a]anthracene		ND		9.2	920
Benzo[a]pyrene		ND		9.2	920
Benzo[b]fluoranthene		ND		9.2	920
Benzo[g,h,i]perylene		ND		9.2	920
Benzo[k]fluoranthene		ND		9.2	920
Chrysene		ND		3.1	920
Dibenz(a,h)anthracene		ND		9.2	920
Fluoranthene		31	J	9.2	920
Fluorene		18	J	9.2	920
Indeno[1,2,3-cd]pyrene		ND		9.2	920
Naphthalene		980		9.2	920
Phenanthrene		41	J	9.2	920
Pyrene		32	J	9.2	920

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43		10 - 118
2-Fluorobiphenyl (Surr)	54		34 - 110
2-Fluorophenol (Surr)	60		26 - 110
Nitrobenzene-d5 (Surr)	54		24 - 112
Phenol-d5 (Surr)	55		28 - 110
Terphenyl-d14 (Surr)	71		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090231.D
Dilution:	1.0			Initial Weight/Volume:	25.97 g
Analysis Date:	09/03/2011 0510			Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		39		0.39	12

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14219	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-13772	Lab File ID:	YF090232.D
Dilution:	10			Initial Weight/Volume:	26.09 g
Analysis Date:	09/03/2011 0549			Final Weight/Volume:	26.1 mL
Prep Date:	08/30/2011 1049			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		390		4.4	140

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13859	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-13560	Initial Weight/Volume:	30.09 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/31/2011 1504			Injection Volume:	1 mL
Prep Date:	08/29/2011 0836			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		27	42
Aroclor-1221		ND		20	42
Aroclor-1232		ND		18	42
Aroclor-1242		ND		17	42
Aroclor-1248		ND		22	42
Aroclor-1254		ND		22	42
Aroclor-1260		ND		22	42

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		29 - 151
DCB Decachlorobiphenyl	74		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-13488	Initial Weight/Volume:	30.17 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/30/2011 1253			Injection Volume:	1 mL
Prep Date:	08/27/2011 1023			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		29	45
Aroclor-1221		ND		22	45
Aroclor-1232		ND		19	45
Aroclor-1242		ND		18	45
Aroclor-1248		ND		23	45
Aroclor-1254		ND		23	45
Aroclor-1260		ND		23	45

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		29 - 151
DCB Decachlorobiphenyl	78		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90608.D
Dilution:	1.0			Initial Weight/Volume:	29.39 g
Analysis Date:	09/06/2011 1234			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		12		1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-13507	Lab File ID:	P6F90609.D
Dilution:	1.0			Initial Weight/Volume:	28.09 g
Analysis Date:	09/06/2011 1303			Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		46		1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630
Client Matrix: Solid % Moisture: 21.5 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.20 g
Analysis Date:	08/30/2011 1812			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		99	B	0.075	21
Cadmium		0.068	J	0.038	0.21
Chromium		15		0.21	0.53
Silver		ND		0.11	0.53
Arsenic		4.0		0.32	1.1
Lead		7.6		0.20	0.32
Selenium		0.66		0.48	0.53

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Analysis Date:	08/30/2011 1136			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615
Client Matrix: Solid % Moisture: 27.8 Date Received: 08/26/2011 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-13838	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0			Initial Weight/Volume:	1.23 g
Analysis Date:	08/30/2011 1806			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		88	B	0.080	23
Cadmium		0.30		0.041	0.23
Chromium		11		0.23	0.56
Silver		ND		0.11	0.56
Arsenic		3.4		0.34	1.1
Lead		12		0.21	0.34
Selenium		0.55	J	0.51	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-13779	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.87 g
Analysis Date:	08/30/2011 1134			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.036	J	0.014	0.096

General Chemistry

Client Sample ID: **ASB-123_2-4(20110824)**

Lab Sample ID: 240-3236-1 Date Sampled: 08/24/2011 1630

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-123_6-8(20110824)**

Lab Sample ID: 240-3236-2 Date Sampled: 08/24/2011 1615

Client Matrix: Solid Date Received: 08/26/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	72		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13486	Analysis Date: 08/27/2011 1012						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-13679					
LCS 240-13679/2-A	Lab Control Sample	T	Solid	5035	
MB 240-13679/1-A	Method Blank	T	Solid	5035	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	5035	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	5035	
240-3236-3	MB-002(20110825)	T	Solid	5035	
Analysis Batch:240-13749					
LCS 240-13679/2-A	Lab Control Sample	T	Solid	8260B	240-13679
MB 240-13679/1-A	Method Blank	T	Solid	8260B	240-13679
240-3236-1	ASB-123_2-4(20110824)	T	Solid	8260B	240-13679
240-3236-2	ASB-123_6-8(20110824)	T	Solid	8260B	240-13679
240-3236-3	MB-002(20110825)	T	Solid	8260B	240-13679

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-13499					
LCS 240-13499/17-A	Lab Control Sample	T	Solid	3540C	
MB 240-13499/18-A	Method Blank	T	Solid	3540C	
240-3221-E-1-B MS	Matrix Spike	T	Solid	3540C	
240-3221-E-1-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	3540C	
Prep Batch: 240-13558					
LCS 240-13558/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-13558/20-A	Method Blank	T	Solid	3540C	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	3540C	
240-3244-C-4-B MS	Matrix Spike	T	Solid	3540C	
240-3244-C-4-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-13868					
LCS 240-13499/17-A	Lab Control Sample	T	Solid	8270C	240-13499
MB 240-13499/18-A	Method Blank	T	Solid	8270C	240-13499
240-3221-E-1-B MS	Matrix Spike	T	Solid	8270C	240-13499
240-3221-E-1-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-13499
240-3236-2	ASB-123_6-8(20110824)	T	Solid	8270C	240-13499
Analysis Batch:240-14003					
LCS 240-13558/21-A	Lab Control Sample	T	Solid	8270C	240-13558
MB 240-13558/20-A	Method Blank	T	Solid	8270C	240-13558
240-3244-C-4-B MS	Matrix Spike	T	Solid	8270C	240-13558
240-3244-C-4-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-13558
Analysis Batch:240-14210					
240-3236-1	ASB-123_2-4(20110824)	T	Solid	8270C	240-13558

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-13772					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-13772/1-A	Method Blank	T	Solid	5035	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	5035	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	5035	
Analysis Batch:240-14219					
LCS 240-13772/2-A	Lab Control Sample	T	Solid	WI-GRO	240-13772
LCSD 240-13772/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-13772
MB 240-13772/1-A	Method Blank	T	Solid	WI-GRO	240-13772
240-3236-1	ASB-123_2-4(20110824)	T	Solid	WI-GRO	240-13772
240-3236-2	ASB-123_6-8(20110824)	T	Solid	WI-GRO	240-13772

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13488					
LCS 240-13488/13-A	Lab Control Sample	T	Solid	3540C	
MB 240-13488/14-A	Method Blank	T	Solid	3540C	
240-3214-B-3-B MS	Matrix Spike	T	Solid	3540C	
240-3214-B-3-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	3540C	
Prep Batch: 240-13507					
LCS 240-13507/13-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-13507/14-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-13507/12-A	Method Blank	T	Solid	WI DRO PREP	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	WI DRO PREP	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	WI DRO PREP	
Prep Batch: 240-13560					
LCS 240-13560/14-A	Lab Control Sample	T	Solid	3540C	
MB 240-13560/13-A	Method Blank	T	Solid	3540C	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	3540C	
240-3265-C-4-B MS	Matrix Spike	T	Solid	3540C	
240-3265-C-4-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-13692					
LCS 240-13488/13-A	Lab Control Sample	T	Solid	8082	240-13488
MB 240-13488/14-A	Method Blank	T	Solid	8082	240-13488
240-3214-B-3-B MS	Matrix Spike	T	Solid	8082	240-13488
240-3214-B-3-C MSD	Matrix Spike Duplicate	T	Solid	8082	240-13488
240-3236-2	ASB-123_6-8(20110824)	T	Solid	8082	240-13488
Analysis Batch:240-13753					
LCS 240-13507/13-A	Lab Control Sample	T	Solid	WI-DRO	240-13507
LCSD 240-13507/14-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-13507
MB 240-13507/12-A	Method Blank	T	Solid	WI-DRO	240-13507
Analysis Batch:240-13859					
LCS 240-13560/14-A	Lab Control Sample	T	Solid	8082	240-13560
MB 240-13560/13-A	Method Blank	T	Solid	8082	240-13560
240-3236-1	ASB-123_2-4(20110824)	T	Solid	8082	240-13560
240-3265-C-4-B MS	Matrix Spike	T	Solid	8082	240-13560
240-3265-C-4-C MSD	Matrix Spike Duplicate	T	Solid	8082	240-13560
Analysis Batch:240-14373					
240-3236-1	ASB-123_2-4(20110824)	T	Solid	WI-DRO	240-13507
240-3236-2	ASB-123_6-8(20110824)	T	Solid	WI-DRO	240-13507

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
Metals					
Prep Batch: 240-13590					
LCS 240-13590/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-13590/1-A	Method Blank	T	Solid	3050B	
240-3228-E-7-C MS	Matrix Spike	T	Solid	3050B	
240-3228-E-7-D MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	3050B	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	3050B	
Prep Batch: 240-13600					
LCS 240-13600/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-13600/1-A	Method Blank	T	Solid	7471A	
240-3228-E-7-F MS	Matrix Spike	T	Solid	7471A	
240-3228-E-7-G MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	7471A	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	7471A	
Analysis Batch:240-13779					
LCS 240-13600/2-A	Lab Control Sample	T	Solid	7471A	240-13600
MB 240-13600/1-A	Method Blank	T	Solid	7471A	240-13600
240-3228-E-7-F MS	Matrix Spike	T	Solid	7471A	240-13600
240-3228-E-7-G MSD	Matrix Spike Duplicate	T	Solid	7471A	240-13600
240-3236-1	ASB-123_2-4(20110824)	T	Solid	7471A	240-13600
240-3236-2	ASB-123_6-8(20110824)	T	Solid	7471A	240-13600
Analysis Batch:240-13838					
LCS 240-13590/2-A	Lab Control Sample	T	Solid	6010B	240-13590
MB 240-13590/1-A	Method Blank	T	Solid	6010B	240-13590
240-3228-E-7-C MS	Matrix Spike	T	Solid	6010B	240-13590
240-3228-E-7-D MSD	Matrix Spike Duplicate	T	Solid	6010B	240-13590
240-3236-1	ASB-123_2-4(20110824)	T	Solid	6010B	240-13590
240-3236-2	ASB-123_6-8(20110824)	T	Solid	6010B	240-13590

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-13486					
240-3221-F-1 DU	Duplicate	T	Solid	Moisture	
240-3236-1	ASB-123_2-4(20110824)	T	Solid	Moisture	
240-3236-2	ASB-123_6-8(20110824)	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3236-1	ASB-123_2-4(20110824)	73	75	61	76
240-3236-2	ASB-123_6-8(20110824)	76	82	64	80
240-3236-3	MB-002(20110825)	92	82	78	85
MB 240-13679/1-A		93	76	75	81
LCS 240-13679/2-A		89	85	80	87

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3236-1	ASB-123_2-4(20110824)	54	49	53	45	52	62
240-3236-2	ASB-123_6-8(20110824)	43	54	60	54	55	71
MB 240-13499/18-A		48	56	61	54	57	72
MB 240-13558/20-A		49	60	64	60	63	72
LCS 240-13499/17-A		63	72	79	75	80	84
LCS 240-13558/21-A		55	68	72	72	73	82
240-3221-E-1-B MS		43	51	54	50	55	72
240-3244-C-4-B MS		48	60	60	54	60	79
240-3221-E-1-C MSD		51	55	57	52	60	75
240-3244-C-4-C MSD		47	58	60	54	58	81

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-3236-1	ASB-123_2-4(20110824)	85	74
240-3236-2	ASB-123_6-8(20110824)	80	78
MB 240-13488/14-A		77	90
MB 240-13560/13-A		100	107
LCS 240-13488/13-A		86	96
LCS 240-13560/14-A		91	94
240-3214-B-3-B MS		0X	141
240-3265-C-4-B MS		64	62
240-3214-B-3-C MSD		0X	127
240-3265-C-4-C MSD		49	50

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Method Blank - Batch: 240-13679 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-13679/1-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140496.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1235	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13679 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-13679/1-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140496.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1235	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	10.2	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	112	J	49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	39 - 128
4-Bromofluorobenzene (Surr)	76	26 - 141
Dibromofluoromethane (Surr)	75	30 - 122
Toluene-d8 (Surr)	81	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Control Sample - Batch: 240-13679

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13679/2-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140495.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1213	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	419	84	27 - 121	
1,1,1-Trichloroethane	500	449	90	38 - 122	
1,1,2,2-Tetrachloroethane	500	595	119	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	510	102	48 - 151	
1,1,2-Trichloroethane	500	560	112	74 - 114	
1,1-Dichloroethane	500	492	98	63 - 117	
1,1-Dichloroethene	500	486	97	44 - 143	
1,1-Dichloropropene	500	510	102	60 - 123	
1,2,3-Trichlorobenzene	500	468	94	43 - 129	
1,2,3-Trichloropropane	500	590	118	74 - 124	
1,2,4-Trichlorobenzene	500	434	87	41 - 135	
1,2,4-Trimethylbenzene	500	505	101	62 - 133	
1,2-Dibromo-3-Chloropropane	500	505	101	10 - 129	
1,2-Dibromoethane	500	540	108	47 - 123	
1,2-Dichlorobenzene	500	505	101	68 - 118	
1,2-Dichloroethane	500	510	102	68 - 119	
1,2-Dichloropropane	500	510	102	73 - 113	
1,3,5-Trimethylbenzene	500	483	97	60 - 130	
1,3-Dichlorobenzene	500	510	102	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	505	101	65 - 119	
2,2-Dichloropropane	500	395	79	25 - 123	
2-Butanone (MEK)	1000	1220	122	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1280	128	43 - 130	
4-Chlorotoluene	500	495	99	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1230	123	49 - 121	*
Acetone	1000	885	89	16 - 156	J
Benzene	500	520	104	70 - 117	
Bromobenzene	500	500	100	72 - 120	
Bromochloromethane	500	500	100	56 - 128	
Bromodichloromethane	500	405	81	28 - 123	
Bromoform	500	505	101	10 - 117	
Bromomethane	500	316	63	10 - 114	
Carbon disulfide	500	327	65	10 - 132	
Carbon tetrachloride	500	405	81	29 - 118	
Chlorobenzene	500	499	100	71 - 116	
Chloroethane	500	440	88	10 - 120	
Chloroform	500	492	98	63 - 116	
Chloromethane	500	412	82	25 - 110	
cis-1,2-Dichloroethene	500	495	99	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Control Sample - Batch: 240-13679

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-13679/2-A	Analysis Batch:	240-13749	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-13679	Lab File ID:	140495.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1213	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/29/2011 1826				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	397	79	25 - 120	
Cyclohexane	500	479	96	40 - 120	J
Chlorodibromomethane	500	384	77	22 - 113	
Dibromomethane	500	540	108	68 - 118	
Dichlorodifluoromethane	500	292	58	10 - 110	
Ethyl ether	500	515	103	70 - 130	
Ethylbenzene	500	498	100	66 - 119	
Hexachlorobutadiene	500	448	90	34 - 135	
Isopropylbenzene	500	486	97	61 - 123	
Methyl acetate	500	590	118	44 - 173	
Methyl tert butyl ether	500	540	108	34 - 157	J
Methylcyclohexane	500	499	100	41 - 133	J
Methylene Chloride	500	432	86	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	496	99	37 - 126	
n-Butylbenzene	500	505	101	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	510	102	68 - 120	
p-Isopropyltoluene	500	493	99	56 - 136	
sec-Butylbenzene	500	489	98	58 - 131	
Styrene	500	442	88	60 - 120	
tert-Butylbenzene	500	467	93	58 - 128	
Tetrachloroethene	500	515	103	58 - 131	
Tetrahydrofuran	500	645	129	70 - 130	J
Toluene	500	525	105	66 - 123	
trans-1,2-Dichloroethene	500	470	94	58 - 121	
trans-1,3-Dichloropropene	500	422	84	22 - 122	
Trichloroethene	500	510	102	59 - 124	
Trichlorofluoromethane	500	346	69	17 - 145	
Vinyl chloride	500	428	86	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	80	30 - 122
Toluene-d8 (Surr)	87	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13499

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-13499/18-A	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/31/2011 1053	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	48	10 - 118
2-Fluorobiphenyl (Surr)	56	34 - 110
2-Fluorophenol (Surr)	61	26 - 110
Nitrobenzene-d5 (Surr)	54	24 - 112
Phenol-d5 (Surr)	57	28 - 110
Terphenyl-d14 (Surr)	72	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Control Sample - Batch: 240-13499

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-13499/17-A	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/31/2011 1110	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	508	76	46 - 110	
Acenaphthene	667	498	75	46 - 110	
Acenaphthylene	667	501	75	47 - 110	
Anthracene	667	508	76	56 - 111	
Benzo[a]anthracene	667	507	76	58 - 111	
Benzo[a]pyrene	667	459	69	44 - 115	
Benzo[b]fluoranthene	667	510	76	43 - 124	
Benzo[g,h,i]perylene	667	540	81	44 - 120	
Benzo[k]fluoranthene	667	519	78	38 - 122	
Chrysene	667	529	79	56 - 111	
Dibenz(a,h)anthracene	667	542	81	45 - 122	
Fluoranthene	667	534	80	55 - 118	
Fluorene	667	507	76	51 - 110	
Indeno[1,2,3-cd]pyrene	667	536	80	45 - 121	
Naphthalene	667	471	71	42 - 110	
Phenanthrene	667	505	76	54 - 110	
Pyrene	667	506	76	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	63	10 - 118
2-Fluorobiphenyl (Surr)	72	34 - 110
2-Fluorophenol (Surr)	79	26 - 110
Nitrobenzene-d5 (Surr)	75	24 - 112
Phenol-d5 (Surr)	80	28 - 110
Terphenyl-d14 (Surr)	84	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13499

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3221-E-1-B MS	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/31/2011 1823			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3221-E-1-C MSD	Analysis Batch:	240-13868	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13499	Lab File ID:	0831032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.93 g
Analysis Date:	08/31/2011 1840			Final Weight/Volume:	2 mL
Prep Date:	08/27/2011 1135			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	53	58	10 - 200	10	30		
Acenaphthene	56	62	10 - 200	11	30		
Acenaphthylene	56	60	10 - 200	8	30		
Anthracene	68	72	10 - 200	6	30		
Benzo[a]anthracene	64	67	10 - 200	4	30		
Benzo[a]pyrene	59	62	10 - 200	5	30		
Benzo[b]fluoranthene	64	65	10 - 200	3	30		
Benzo[g,h,i]perylene	70	73	10 - 200	5	30		
Benzo[k]fluoranthene	67	73	10 - 200	9	30		
Chrysene	66	70	10 - 200	6	30		
Dibenz(a,h)anthracene	68	72	10 - 200	6	30		
Fluoranthene	70	75	10 - 200	7	30		
Fluorene	58	66	10 - 187	13	30		
Indeno[1,2,3-cd]pyrene	69	73	10 - 200	7	30		
Naphthalene	50	52	10 - 200	4	30	J	
Phenanthrene	62	67	10 - 200	8	30		
Pyrene	67	69	10 - 200	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43	51	10 - 118
2-Fluorobiphenyl (Surr)	51	55	34 - 110
2-Fluorophenol (Surr)	54	57	26 - 110
Nitrobenzene-d5 (Surr)	50	52	24 - 112
Phenol-d5 (Surr)	55	60	28 - 110
Terphenyl-d14 (Surr)	72	75	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13558

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-13558/20-A	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13558	Lab File ID:	0901004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/01/2011 1035	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0831			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	49	10 - 118
2-Fluorobiphenyl (Surr)	60	34 - 110
2-Fluorophenol (Surr)	64	26 - 110
Nitrobenzene-d5 (Surr)	60	24 - 112
Phenol-d5 (Surr)	63	28 - 110
Terphenyl-d14 (Surr)	72	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Lab Control Sample - Batch: 240-13558

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-13558/21-A	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13558	Lab File ID:	0901005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/01/2011 1052	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0831			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	476	71	46 - 110	
Acenaphthene	667	480	72	46 - 110	
Acenaphthylene	667	471	71	47 - 110	
Anthracene	667	505	76	56 - 111	
Benzo[a]anthracene	667	544	82	58 - 111	
Benzo[a]pyrene	667	461	69	44 - 115	
Benzo[b]fluoranthene	667	619	93	43 - 124	
Benzo[g,h,i]perylene	667	539	81	44 - 120	
Benzo[k]fluoranthene	667	416	62	38 - 122	
Chrysene	667	483	72	56 - 111	
Dibenz(a,h)anthracene	667	537	81	45 - 122	
Fluoranthene	667	528	79	55 - 118	
Fluorene	667	485	73	51 - 110	
Indeno[1,2,3-cd]pyrene	667	534	80	45 - 121	
Naphthalene	667	461	69	42 - 110	
Phenanthrene	667	488	73	54 - 110	
Pyrene	667	494	74	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	55	10 - 118
2-Fluorobiphenyl (Surr)	68	34 - 110
2-Fluorophenol (Surr)	72	26 - 110
Nitrobenzene-d5 (Surr)	72	24 - 112
Phenol-d5 (Surr)	73	28 - 110
Terphenyl-d14 (Surr)	82	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13558

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3244-C-4-B MS	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13558	Lab File ID:	0901019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	09/01/2011 1445			Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0831			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3244-C-4-C MSD	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-13558	Lab File ID:	0901020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.12 g
Analysis Date:	09/01/2011 1502			Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0831			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	64	62	10 - 200	3	30		
Acenaphthene	65	66	10 - 200	1	30		
Acenaphthylene	65	64	10 - 200	2	30		
Anthracene	72	74	10 - 200	3	30		
Benzo[a]anthracene	70	71	10 - 200	2	30		
Benzo[a]pyrene	64	66	10 - 200	3	30		
Benzo[b]fluoranthene	69	74	10 - 200	6	30		
Benzo[g,h,i]perylene	71	76	10 - 200	8	30		
Benzo[k]fluoranthene	72	77	10 - 200	6	30		
Chrysene	77	81	10 - 200	4	30		
Dibenz(a,h)anthracene	0	0	10 - 200	NC	30	F	F
Fluoranthene	77	82	10 - 200	5	30		
Fluorene	70	70	10 - 187	1	30		
Indeno[1,2,3-cd]pyrene	71	75	10 - 200	5	30		
Naphthalene	56	55	10 - 200	1	30		
Phenanthrene	68	70	10 - 200	3	30		
Pyrene	74	77	10 - 200	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	48	47	10 - 118
2-Fluorobiphenyl (Surr)	60	58	34 - 110
2-Fluorophenol (Surr)	60	60	26 - 110
Nitrobenzene-d5 (Surr)	54	54	24 - 112
Phenol-d5 (Surr)	60	58	28 - 110
Terphenyl-d14 (Surr)	79	81	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13772

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-13772/1-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090215.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1825	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13772

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-13772/2-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/02/2011 1906	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13772/3-A	Analysis Batch:	240-14219	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-13772	Lab File ID:	YF090233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/03/2011 0628	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	08/30/2011 1049			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	91	93	80 - 120	2	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13488

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-13488/14-A	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1541	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	29 - 151
DCB Decachlorobiphenyl	90	14 - 163

Lab Control Sample - Batch: 240-13488

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-13488/13-A	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/30/2011 1526	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	292	88	62 - 120	
Aroclor-1260	333	302	91	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	86	29 - 151
DCB Decachlorobiphenyl	96	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13488

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3214-B-3-B MS	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083018.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	29.97 g
Analysis Date:	08/30/2011 1440			Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3214-B-3-C MSD	Analysis Batch:	240-13692	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13488	Lab File ID:	P1083020.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	08/30/2011 1511			Final Weight/Volume:	10 mL
Prep Date:	08/27/2011 1023			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	86	91	22 - 157	6	30		
Aroclor-1260	182	201	13 - 161	9	30	F	F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	0	X	0	X	29 - 151
DCB Decachlorobiphenyl	141		127		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13560 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-13560/13-A	Analysis Batch:	240-13859	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13560	Lab File ID:	P1090121.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	08/31/2011 1519	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/29/2011 0836			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	100	29 - 151
DCB Decachlorobiphenyl	107	14 - 163

Lab Control Sample - Batch: 240-13560 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-13560/14-A	Analysis Batch:	240-13859	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13560	Lab File ID:	P1090122.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	08/31/2011 1535	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/29/2011 0836			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	294	88	62 - 120	
Aroclor-1260	333	291	87	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	94	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13560

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3265-C-4-B MS	Analysis Batch:	240-13859	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13560	Lab File ID:	P1090113.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	08/31/2011 1317			Final Weight/Volume:	10 mL
Prep Date:	08/29/2011 0836			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3265-C-4-C MSD	Analysis Batch:	240-13859	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-13560	Lab File ID:	P1090114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.16 g
Analysis Date:	08/31/2011 1333			Final Weight/Volume:	10 mL
Prep Date:	08/29/2011 0836			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	61	48	22 - 157	24	30		
Aroclor-1260	44	30	13 - 161	27	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	64	49	29 - 151
DCB Decachlorobiphenyl	62	50	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13507

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-13507/12-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-13507	Lab File ID:	P6F83017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1810	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	3.15	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13507

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-13507/13-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-13507	Lab File ID:	P6F83018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/30/2011 1840	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13507/14-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-13507	Lab File ID:	P6F83030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	08/31/2011 0024	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/28/2011 1013			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	94	97	70 - 120	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Method Blank - Batch: 240-13590

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-13590/1-A	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/30/2011 1647	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.153	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-13590

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-13590/2-A	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/30/2011 1652	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	196	98	80 - 120	
Cadmium	5.00	4.77	95	80 - 120	
Chromium	20.0	19.3	97	80 - 120	
Silver	5.00	4.56	91	80 - 120	
Arsenic	200	184	92	80 - 120	
Lead	50.0	47.8	96	80 - 120	
Selenium	200	184	92	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13590

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3228-E-7-C MS	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/30/2011 1709			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3228-E-7-D MSD	Analysis Batch:	240-13838	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13590	Lab File ID:	I50830A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/30/2011 1715			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1027				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	88	93	75 - 125	4	20		
Cadmium	83	86	75 - 125	3	20		
Chromium	106	104	75 - 125	1	20		
Silver	80	84	75 - 125	5	20		
Arsenic	82	85	75 - 125	4	20		
Lead	84	85	75 - 125	2	20		
Selenium	82	85	75 - 125	3	20		

Method Blank - Batch: 240-13600

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-13600/1-A	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/30/2011 1118	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-13600

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-13600/2-A	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/30/2011 1119	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.797	96	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13600

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3228-E-7-F MS	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/30/2011 1122			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3228-E-7-G MSD	Analysis Batch:	240-13779	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13600	Lab File ID:	HG10830A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/30/2011 1123			Final Weight/Volume:	100 mL
Prep Date:	08/29/2011 1335				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	93	95	11 - 192	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3236-1

Duplicate - Batch: 240-13486

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3221-F-1 DU	Analysis Batch:	240-13486	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/27/2011 1012	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	83	84	0.7	20	
Percent Moisture	17	16	3	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3236-1

Login Number: 3236

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6, 2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

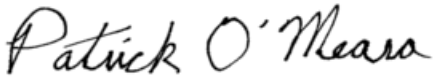
ANALYTICAL REPORT

Job Number: 240-3264-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/19/2011 1:33 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/19/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3264-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/27/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4, 1.6, and 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-118_8-12(20110823) (240-3264-1), TB-002(20110824) (240-3264-2) and ASB-120_6-11(20110823) (240-3264-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/04/2011.

Methylene Chloride was detected in method blank MB 240-14331/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13540.

Sample ASB-118_8-12(20110823) (240-3264-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): ASB-120_6-11(20110823) (240-3264-3).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample ASB-118_8-12(20110823) (240-3264-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/06/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13540.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-118_8-12(20110823) (240-3264-1) and ASB-120_6-11(20110823) (240-3264-3) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/06/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-13555/5-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13555.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-118_8-12(20110823) (240-3264-1) and ASB-120_6-11(20110823) (240-3264-3) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/02/2011.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14168.

The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): ASB-120_6-11(20110823) (240-3264-3).

No other difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB-118_8-12(20110823) (240-3264-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/01/2011 and 09/09/2011.

The laboratory control sample (LCS) for batch 13725 failed low. The associated samples were re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13725.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14650.

Due to the initial volume(s) used for the following sample(s) deviated from the standard procedure: ASB-118_8-12(20110823) (240-3264-1). The reporting limits (RLs) have been adjusted proportionately.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample ASB-118_8-12(20110823) (240-3264-1) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/01/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Sample ASB-120_6-11(20110823) (240-3264-3) was analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/01/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Sample ASB-118_8-12(20110823) (240-3264-1) was analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3264-1	**ASB-118_8-12(20110823)**					
1,2,4-Trimethylbenzene		1.8	J	5.0	ug/L	8260B
1,3,5-Trimethylbenzene		3.3	J	5.0	ug/L	8260B
Benzene		120		5.0	ug/L	8260B
Cyclohexane		92		5.0	ug/L	8260B
Naphthalene		4.2	J	5.0	ug/L	8260B
m-Xylene & p-Xylene		35		10	ug/L	8260B
n-Butylbenzene		0.91	J	5.0	ug/L	8260B
Isopropylbenzene		9.0		5.0	ug/L	8260B
N-Propylbenzene		20		5.0	ug/L	8260B
sec-Butylbenzene		1.3	J	5.0	ug/L	8260B
Methylene Chloride		3.1	J B	5.0	ug/L	8260B
Toluene		3.2	J	5.0	ug/L	8260B
Methylcyclohexane		15		5.0	ug/L	8260B
Naphthalene		1.6	J	10	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		770		100	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		0.45		0.098	mg/L	WI-DRO
Dissolved						
Barium		130	J	200	ug/L	6010B
Arsenic		8.0	J	10	ug/L	6010B
240-3264-3	**ASB-120_6-11(20110823)**					
Acetone		8.9	J	10	ug/L	8260B
Benzene		17		1.0	ug/L	8260B
Carbon disulfide		0.15	J	1.0	ug/L	8260B
Cyclohexane		16		1.0	ug/L	8260B
m-Xylene & p-Xylene		2.0		2.0	ug/L	8260B
2-Butanone (MEK)		1.5	J	10	ug/L	8260B
Methyl tert butyl ether		19		2.0	ug/L	8260B
o-Xylene		0.27	J	1.0	ug/L	8260B
Toluene		0.51	J	1.0	ug/L	8260B
Methylcyclohexane		0.27	J	1.0	ug/L	8260B
WI Gasoline Range Organics (C6-C10)		88	J	100	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		0.76		0.098	mg/L	WI-DRO

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method	Analyst	Analyst ID
SW846 8260B	Quayle, Rick	RQ
SW846 8270C	Ulman, Mark	MU
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
SW846 8082	Kuster, Rhonda	RK
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3264-1	ASB-118_8-12(20110823)	Water	08/23/2011 1245	08/27/2011 0920
240-3264-2TB	TB-002(20110824)	Water	08/24/2011 0000	08/27/2011 0920
240-3264-3	ASB-120_6-11(20110823)	Water	08/24/2011 0910	08/27/2011 0920

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9380.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1750			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		1.2	5.0
1,1,1-Trichloroethane	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.90	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	5.0
1,1,2-Trichloroethane	ND		1.4	5.0
1,1-Dichloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		0.95	5.0
1,1-Dichloropropene	ND		0.65	5.0
1,2,3-Trichlorobenzene	ND		0.85	5.0
1,2,3-Trichloropropane	ND		2.2	5.0
1,2,4-Trichlorobenzene	ND		0.75	5.0
1,2,4-Trimethylbenzene	1.8	J	0.60	5.0
1,2-Dibromo-3-Chloropropane	ND		3.4	10
1,2-Dichlorobenzene	ND		0.65	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		0.90	5.0
1,3,5-Trimethylbenzene	3.3	J	0.48	5.0
1,3-Dichlorobenzene	ND		0.70	5.0
1,3-Dichloropropane	ND		0.80	5.0
1,4-Dichlorobenzene	ND		0.65	5.0
Allyl chloride	ND		1.8	10
2,2-Dichloropropane	ND		0.65	5.0
2-Chlorotoluene	ND		0.55	5.0
2-Hexanone	ND		2.1	50
Bromobenzene	ND		0.65	5.0
Bromochloromethane	ND		1.5	5.0
4-Chlorotoluene	ND		0.90	5.0
p-Isopropyltoluene	ND		0.60	5.0
Acetone	ND		5.5	50
Benzene	120		0.65	5.0
Bromoform	ND		3.2	5.0
Bromomethane	ND		2.1	5.0
Carbon disulfide	ND		0.65	5.0
Carbon tetrachloride	ND		0.65	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		1.5	5.0
Chloroform	ND		0.80	5.0
Chloromethane	ND		1.5	5.0
cis-1,2-Dichloroethene	ND		0.85	5.0
cis-1,3-Dichloropropene	ND		0.70	5.0
Cyclohexane	92		0.60	5.0
Hexachlorobutadiene	ND		1.5	5.0
Dibromomethane	ND		1.4	5.0
Bromodichloromethane	ND		0.75	5.0
Dichlorodifluoromethane	ND		1.6	5.0
Dichlorofluoromethane	ND		2.1	5.0

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9380.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1750			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		1.6	5.0
Ethylbenzene	ND		0.85	5.0
1,2-Dibromoethane	ND		1.2	5.0
Naphthalene	4.2	J	1.2	5.0
m-Xylene & p-Xylene	35		1.2	10
n-Butylbenzene	0.91	J	0.60	5.0
Isopropylbenzene	9.0		0.65	5.0
Methyl acetate	ND		1.9	50
N-Propylbenzene	20		0.70	5.0
2-Butanone (MEK)	ND		2.9	50
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
sec-Butylbenzene	1.3	J	0.65	5.0
Methyl tert butyl ether	ND		0.85	10
Methylene Chloride	3.1	J B	1.7	5.0
o-Xylene	ND		0.70	5.0
Styrene	ND		0.55	5.0
tert-Butylbenzene	ND		0.65	5.0
Tetrachloroethene	ND		1.5	5.0
Tetrahydrofuran	ND		2.1	25
Toluene	3.2	J	0.65	5.0
trans-1,2-Dichloroethene	ND		0.95	5.0
trans-1,3-Dichloropropene	ND		0.95	5.0
Trichloroethene	ND		0.85	5.0
Trichlorofluoromethane	ND		1.1	5.0
Vinyl chloride	ND		1.1	5.0
Methylcyclohexane	15		0.65	5.0
Chlorodibromomethane	ND		0.90	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		63 - 129
4-Bromofluorobenzene (Surr)	101		66 - 117
Toluene-d8 (Surr)	105		74 - 115
Dibromofluoromethane (Surr)	104		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **TB-002(20110824)**

Lab Sample ID: 240-3264-2TB Date Sampled: 08/24/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9383.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1858			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1858				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **TB-002(20110824)**

Lab Sample ID: 240-3264-2TB Date Sampled: 08/24/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9383.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1858			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1858				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 117
Toluene-d8 (Surr)	101		74 - 115
Dibromofluoromethane (Surr)	101		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-120_6-11(20110823)**

Lab Sample ID: 240-3264-3 Date Sampled: 08/24/2011 0910
Client Matrix: Water Date Received: 08/27/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9384.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1921			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1921				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	8.9	J	1.1	10
Benzene	17		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.15	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	16		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-120_6-11(20110823)**

Lab Sample ID: 240-3264-3 Date Sampled: 08/24/2011 0910
Client Matrix: Water Date Received: 08/27/2011 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9384.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1921			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1921				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	2.0		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	1.5	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	19		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	0.27	J	0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	0.51	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	0.27	J	0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 129
4-Bromofluorobenzene (Surr)	109		66 - 117
Toluene-d8 (Surr)	107		74 - 115
Dibromofluoromethane (Surr)	106		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-13540	Lab File ID:	3264H1A.D
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/06/2011 1444			Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0759			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	1.6	J	0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		28 - 110
2-Fluorophenol (Surr)	73		10 - 110
2,4,6-Tribromophenol (Surr)	81		22 - 120
Nitrobenzene-d5 (Surr)	64		27 - 111
Phenol-d5 (Surr)	77		10 - 110
Terphenyl-d14 (Surr)	45		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090209.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1356			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1356			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	770		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-120_6-11(20110823)**

Lab Sample ID: 240-3264-3 Date Sampled: 08/24/2011 0910
Client Matrix: Water Date Received: 08/27/2011 0920

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090210.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1429			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1429			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	88	J	26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-13725	Initial Weight/Volume:	790 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/01/2011 1945			Injection Volume:	1 mL
Prep Date:	08/30/2011 0847			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	*	0.056	0.25
Aroclor-1221	ND		0.057	0.25
Aroclor-1232	ND		0.092	0.25
Aroclor-1242	ND		0.076	0.25
Aroclor-1248	ND		0.077	0.25
Aroclor-1254	ND		0.041	0.25
Aroclor-1260	ND		0.048	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		35 - 137
DCB Decachlorobiphenyl	23		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14650	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/09/2011 0901			Injection Volume:	1 mL
Prep Date:	09/08/2011 1035			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.043	0.20
Aroclor-1221	ND	H	0.044	0.20
Aroclor-1232	ND	H	0.072	0.20
Aroclor-1242	ND	H	0.059	0.20
Aroclor-1248	ND	H	0.060	0.20
Aroclor-1254	ND	H	0.031	0.20
Aroclor-1260	ND	H	0.037	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		35 - 137
DCB Decachlorobiphenyl	32		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	3510C	Prep Batch:	240-13555	Lab File ID:	P6F90618.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/06/2011 1721			Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.45		0.016	0.098

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-120_6-11(20110823)**

Lab Sample ID: 240-3264-3 Date Sampled: 08/24/2011 0910
Client Matrix: Water Date Received: 08/27/2011 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	3510C	Prep Batch:	240-13555	Lab File ID:	P6F90619.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/06/2011 1750			Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.76		0.016	0.098

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-118_8-12(20110823)**

Lab Sample ID: 240-3264-1 Date Sampled: 08/23/2011 1245
Client Matrix: Water Date Received: 08/27/2011 0920

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13893	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1542			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0954				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	130	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	8.0	J	3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1151			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Client Sample ID: **ASB-120_6-11(20110823)**

Lab Sample ID: 240-3264-3 Date Sampled: 08/24/2011 0910
Client Matrix: Water Date Received: 08/27/2011 0920

6010B Metals (ICP)-Total Recoverable

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13893	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1513			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0954				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	ND		1.9	3.0

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-14331					
LCS 240-14331/4	Lab Control Sample	T	Water	8260B	
MB 240-14331/5	Method Blank	T	Water	8260B	
240-3264-1	ASB-118_8-12(20110823)	T	Water	8260B	
240-3264-1MS	Matrix Spike	T	Water	8260B	
240-3264-1MSD	Matrix Spike Duplicate	T	Water	8260B	
240-3264-2TB	TB-002(20110824)	T	Water	8260B	
240-3264-3	ASB-120_6-11(20110823)	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-13540					
LCS 240-13540/10-A	Lab Control Sample	T	Water	3520C	
MB 240-13540/9-A	Method Blank	T	Water	3520C	
240-3264-1	ASB-118_8-12(20110823)	T	Water	3520C	
Analysis Batch:240-14374					
LCS 240-13540/10-A	Lab Control Sample	T	Water	8270C	240-13540
MB 240-13540/9-A	Method Blank	T	Water	8270C	240-13540
240-3264-1	ASB-118_8-12(20110823)	T	Water	8270C	240-13540

Report Basis
T = Total

GC VOA					
Analysis Batch:240-14168					
LCS 240-14168/7	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-14168/17	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-14168/6	Method Blank	T	Water	WI-GRO	
240-3264-1	ASB-118_8-12(20110823)	T	Water	WI-GRO	
240-3264-3	ASB-120_6-11(20110823)	T	Water	WI-GRO	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13555					
LCS 240-13555/6-A	Lab Control Sample	T	Water	3510C	
LCSD 240-13555/7-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-13555/5-A	Method Blank	T	Water	3510C	
240-3264-1	ASB-118_8-12(20110823)	T	Water	3510C	
240-3264-3	ASB-120_6-11(20110823)	T	Water	3510C	
Prep Batch: 240-13725					
LCS 240-13725/2-A	Lab Control Sample	T	Water	3510C	
MB 240-13725/1-A	Method Blank	T	Water	3510C	
240-3264-1	ASB-118_8-12(20110823)	T	Water	3510C	
Analysis Batch:240-13753					
LCS 240-13555/6-A	Lab Control Sample	T	Water	WI-DRO	240-13555
LCSD 240-13555/7-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-13555
MB 240-13555/5-A	Method Blank	T	Water	WI-DRO	240-13555
Analysis Batch:240-14095					
MB 240-13725/1-A	Method Blank	T	Water	8082	240-13725
240-3264-1	ASB-118_8-12(20110823)	T	Water	8082	240-13725
Analysis Batch:240-14373					
240-3264-1	ASB-118_8-12(20110823)	T	Water	WI-DRO	240-13555
240-3264-3	ASB-120_6-11(20110823)	T	Water	WI-DRO	240-13555
Analysis Batch:240-14388					
LCS 240-13725/2-A	Lab Control Sample	T	Water	8082	240-13725
Prep Batch: 240-14650					
LCS 240-14650/2-A	Lab Control Sample	T	Water	3510C	
MB 240-14650/1-A	Method Blank	T	Water	3510C	
240-3264-1	ASB-118_8-12(20110823)	T	Water	3510C	
Analysis Batch:240-14744					
LCS 240-14650/2-A	Lab Control Sample	T	Water	8082	240-14650
MB 240-14650/1-A	Method Blank	T	Water	8082	240-14650
240-3264-1	ASB-118_8-12(20110823)	T	Water	8082	240-14650

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13867					
LCS 240-13867/2-A	Lab Control Sample	T	Water	7470A	
MB 240-13867/1-A	Method Blank	T	Water	7470A	
240-3264-1	ASB-118_8-12(20110823)	D	Water	7470A	
240-3264-1MS	Matrix Spike	D	Water	7470A	
240-3264-1MSD	Matrix Spike Duplicate	D	Water	7470A	
Prep Batch: 240-13893					
LCS 240-13893/2-A	Lab Control Sample	R	Water	3005A	
MB 240-13893/1-A	Method Blank	R	Water	3005A	
240-3264-1	ASB-118_8-12(20110823)	D	Water	3005A	
240-3264-3	ASB-120_6-11(20110823)	R	Water	3005A	
240-3264-3MS	Matrix Spike	R	Water	3005A	
240-3264-3MSD	Matrix Spike Duplicate	R	Water	3005A	
Analysis Batch:240-14183					
LCS 240-13893/2-A	Lab Control Sample	R	Water	6010B	240-13893
MB 240-13893/1-A	Method Blank	R	Water	6010B	240-13893
240-3264-1	ASB-118_8-12(20110823)	D	Water	6010B	240-13893
240-3264-3	ASB-120_6-11(20110823)	R	Water	6010B	240-13893
240-3264-3MS	Matrix Spike	R	Water	6010B	240-13893
240-3264-3MSD	Matrix Spike Duplicate	R	Water	6010B	240-13893
Analysis Batch:240-14463					
LCS 240-13867/2-A	Lab Control Sample	T	Water	7470A	240-13867
MB 240-13867/1-A	Method Blank	T	Water	7470A	240-13867
240-3264-1	ASB-118_8-12(20110823)	D	Water	7470A	240-13867
240-3264-1MS	Matrix Spike	D	Water	7470A	240-13867
240-3264-1MSD	Matrix Spike Duplicate	D	Water	7470A	240-13867

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-3264-1	ASB-118_8-12(20110823)	100	101	105	104
240-3264-2	TB-002(20110824)	101	100	101	101
240-3264-3	ASB-120_6-11(20110823)	102	109	107	106
MB 240-14331/5		102	100	110	111
LCS 240-14331/4		110	113	107	106
240-3264-1 MS	ASB-118_8-12(20110823) MS	100	109	107	108
240-3264-1 MSD	ASB-118_8-12(20110823) MSD	99	113	106	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3264-1	ASB-118_8-12(20110823)	69	73	81	64	77	45
MB 240-13540/9-A		68	72	68	60	73	84
LCS 240-13540/10-A		74	79	81	66	78	88

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-3264-1	ASB-118_8-12(20110823)	59		23	
240-3264-1	ASB-118_8-12(20110823)		60		32
MB 240-13725/1-A		61		62	
MB 240-14650/1-A			82		73
LCS 240-13725/2-A		68		73	
LCS 240-14650/2-A			69		71

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14331/5	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1534	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1534				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14331/5	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1534	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1534				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	1.0
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.544	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	63 - 129
4-Bromofluorobenzene (Surr)	100	66 - 117
Toluene-d8 (Surr)	110	74 - 115
Dibromofluoromethane (Surr)	111	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Lab Control Sample - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14331/4	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1511	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1511				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.66	97	72 - 116	
1,1,1-Trichloroethane	10.0	10.2	102	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	8.91	89	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.4	104	74 - 151	
1,1,2-Trichloroethane	10.0	9.21	92	80 - 112	
1,1-Dichloroethane	10.0	9.51	95	82 - 115	
1,1-Dichloroethene	10.0	10.4	104	78 - 131	
1,1-Dichloropropene	10.0	9.49	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.36	94	54 - 126	
1,2,3-Trichloropropane	10.0	8.71	87	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.06	91	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.75	98	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	8.57	86	42 - 136	
1,2-Dichlorobenzene	10.0	10.0	100	81 - 110	
1,2-Dichloroethane	10.0	9.27	93	71 - 127	
1,2-Dichloropropane	10.0	9.78	98	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.30	93	72 - 118	
1,3-Dichlorobenzene	10.0	9.44	94	80 - 110	
1,3-Dichloropropane	10.0	9.70	97	79 - 116	
1,4-Dichlorobenzene	10.0	9.77	98	82 - 110	
2,2-Dichloropropane	10.0	10.1	101	50 - 129	
2-Chlorotoluene	10.0	9.28	93	76 - 116	
2-Hexanone	20.0	19.4	97	55 - 133	
Bromobenzene	10.0	9.03	90	76 - 115	
Bromochloromethane	10.0	10.4	104	77 - 120	
4-Chlorotoluene	10.0	9.19	92	77 - 115	
p-Isopropyltoluene	10.0	10.2	102	74 - 120	
Acetone	20.0	17.1	86	43 - 136	
Benzene	10.0	9.42	94	83 - 112	
Bromoform	10.0	9.36	94	40 - 131	
Bromomethane	10.0	9.06	91	11 - 185	
Carbon disulfide	10.0	9.74	97	62 - 142	
Carbon tetrachloride	10.0	10.1	101	66 - 128	
Chlorobenzene	10.0	9.59	96	85 - 110	
Chloroethane	10.0	8.37	84	25 - 153	
Chloroform	10.0	9.95	100	79 - 117	
Chloromethane	10.0	8.77	88	44 - 126	
cis-1,2-Dichloroethene	10.0	9.36	94	80 - 113	
cis-1,3-Dichloropropene	10.0	9.61	96	61 - 115	
Cyclohexane	10.0	9.12	91	54 - 121	
Hexachlorobutadiene	10.0	8.34	83	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Lab Control Sample - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14331/4	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1511	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1511				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.62	96	81 - 120	
Bromodichloromethane	10.0	9.91	99	72 - 121	
Dichlorodifluoromethane	10.0	7.56	76	19 - 129	
Ethyl ether	10.0	9.59	96	53 - 135	
Ethylbenzene	10.0	9.76	98	83 - 112	
1,2-Dibromoethane	10.0	9.71	97	79 - 113	
Naphthalene	10.0	8.08	81	32 - 141	
m-Xylene & p-Xylene	20.0	19.4	97	83 - 113	
n-Butylbenzene	10.0	10.0	100	66 - 125	
Isopropylbenzene	10.0	9.75	98	75 - 114	
Methyl acetate	10.0	8.82	88	58 - 131	J
N-Propylbenzene	10.0	9.30	93	74 - 121	
2-Butanone (MEK)	20.0	17.5	88	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	19.1	96	63 - 128	
sec-Butylbenzene	10.0	9.33	93	70 - 117	
Methyl tert butyl ether	10.0	10.1	101	52 - 144	
Methylene Chloride	10.0	9.97	100	66 - 131	
o-Xylene	10.0	9.76	98	83 - 113	
Styrene	10.0	9.79	98	79 - 114	
tert-Butylbenzene	10.0	9.38	94	71 - 115	
Tetrachloroethene	10.0	9.74	97	79 - 114	
Tetrahydrofuran	10.0	9.43	94	23 - 143	
Toluene	10.0	9.60	96	84 - 111	
trans-1,2-Dichloroethene	10.0	10.1	101	83 - 117	
trans-1,3-Dichloropropene	10.0	9.80	98	58 - 117	
Trichloroethene	10.0	9.71	97	76 - 117	
Trichlorofluoromethane	10.0	9.79	98	49 - 157	
Vinyl chloride	10.0	8.91	89	53 - 127	
Methylcyclohexane	10.0	9.67	97	56 - 127	
Chlorodibromomethane	10.0	9.67	97	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	63 - 129
4-Bromofluorobenzene (Surr)	113	66 - 117
Toluene-d8 (Surr)	107	74 - 115
Dibromofluoromethane (Surr)	106	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3264-1	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9381.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1812			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-1	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9382.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1835			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1835				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	92	93	64 - 118	2	30		
1,1,1-Trichloroethane	99	98	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	91	91	63 - 122	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	94	70 - 152	16	30		
1,1,2-Trichloroethane	97	92	75 - 115	5	30		
1,1-Dichloroethane	96	96	79 - 116	0	30		
1,1-Dichloroethene	101	99	74 - 135	3	30		
1,1-Dichloropropene	94	90	80 - 114	5	30		
1,2,3-Trichlorobenzene	82	82	45 - 129	0	30		
1,2,3-Trichloropropane	78	85	67 - 132	9	30		
1,2,4-Trichlorobenzene	81	84	38 - 138	4	30		
1,2,4-Trimethylbenzene	90	93	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	86	78	32 - 139	10	30		
1,2-Dichlorobenzene	93	97	75 - 111	4	30		
1,2-Dichloroethane	98	100	68 - 129	2	30		
1,2-Dichloropropane	94	95	78 - 115	1	30		
1,3,5-Trimethylbenzene	82	85	63 - 121	4	30		
1,3-Dichlorobenzene	91	91	73 - 110	0	30		
1,3-Dichloropropane	96	93	74 - 118	4	30		
1,4-Dichlorobenzene	88	92	75 - 110	4	30		
2,2-Dichloropropane	98	99	38 - 127	1	30		
2-Chlorotoluene	85	87	69 - 117	2	30		
2-Hexanone	102	104	47 - 139	2	30		
Bromobenzene	85	86	71 - 116	1	30		
Bromochloromethane	96	95	73 - 121	1	30		
4-Chlorotoluene	83	85	71 - 116	2	30		
p-Isopropyltoluene	95	98	64 - 122	3	30		
Acetone	128	126	33 - 145	2	30		
Benzene	97	92	72 - 121	1	30		
Bromoform	89	84	32 - 128	6	30		
Bromomethane	67	63	10 - 186	5	30		
Carbon disulfide	100	96	57 - 147	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3264-1	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9381.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1812			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-1	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9382.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1835			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1835				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	96	93	59 - 129	3	30		
Chlorobenzene	94	96	80 - 110	2	30		
Chloroethane	82	78	21 - 165	4	30		
Chloroform	99	98	76 - 118	1	30		
Chloromethane	70	71	33 - 132	1	30		
cis-1,2-Dichloroethene	95	94	70 - 120	2	30		
cis-1,3-Dichloropropene	90	87	51 - 110	3	30		
Cyclohexane	87	80	49 - 123	3	30		
Hexachlorobutadiene	67	71	27 - 132	5	30		
Dibromomethane	94	97	77 - 121	3	30		
Bromodichloromethane	98	96	67 - 120	2	30		
Dichlorodifluoromethane	84	81	17 - 128	3	30		
Ethyl ether	98	100	63 - 136	2	30		
Ethylbenzene	95	94	75 - 116	1	30		
1,2-Dibromoethane	93	95	74 - 113	2	30		
Naphthalene	70	74	15 - 158	4	30		
m-Xylene & p-Xylene	94	96	75 - 117	2	30		
n-Butylbenzene	95	97	56 - 127	2	30		
Isopropylbenzene	99	101	68 - 116	2	30		
Methyl acetate	83	83	47 - 130	1	30	J	J
N-Propylbenzene	84	88	64 - 124	3	30		
2-Butanone (MEK)	97	94	54 - 129	3	30		
4-Methyl-2-pentanone (MIBK)	98	100	56 - 131	2	30		
sec-Butylbenzene	88	92	60 - 119	4	30		
Methyl tert butyl ether	96	98	46 - 144	2	30		
Methylene Chloride	97	94	63 - 128	3	30		
o-Xylene	100	97	76 - 116	3	30		
Styrene	96	99	71 - 117	3	30		
tert-Butylbenzene	88	90	61 - 119	2	30		
Tetrachloroethene	95	94	70 - 117	1	30		
Tetrahydrofuran	96	97	10 - 167	1	30		
Toluene	97	94	78 - 114	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3264-1	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9381.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1812			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-1	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9382.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1835			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1835				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	96	100	80 - 119	4	30		
trans-1,3-Dichloropropene	90	87	46 - 116	4	30		
Trichloroethene	94	91	66 - 120	3	30		
Trichlorofluoromethane	89	84	46 - 157	6	30		
Vinyl chloride	91	87	49 - 130	5	30		
Methylcyclohexane	100	92	49 - 127	6	30		
Chlorodibromomethane	94	90	56 - 118	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	99	63 - 129
4-Bromofluorobenzene (Surr)	109	113	66 - 117
Toluene-d8 (Surr)	107	106	74 - 115
Dibromofluoromethane (Surr)	108	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-13540

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-13540/9-A	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13540	Lab File ID:	MB13540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1035	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0759			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	28 - 110
2-Fluorophenol (Surr)	72	10 - 110
2,4,6-Tribromophenol (Surr)	68	22 - 120
Nitrobenzene-d5 (Surr)	60	27 - 111
Phenol-d5 (Surr)	73	10 - 110
Terphenyl-d14 (Surr)	84	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Lab Control Sample - Batch: 240-13540

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-13540/10-A	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13540	Lab File ID:	LCS13540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1054	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/29/2011 0759			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	14.9	74	40 - 110	
Acenaphthylene	20.0	15.4	77	43 - 110	
Anthracene	20.0	16.2	81	54 - 114	
Benzo[a]anthracene	20.0	15.3	77	55 - 115	
Benzo[b]fluoranthene	20.0	14.9	75	43 - 122	
Benzo[k]fluoranthene	20.0	16.9	85	43 - 124	
Benzo[g,h,i]perylene	20.0	16.2	81	45 - 120	
Benzo[a]pyrene	20.0	13.1	65	43 - 116	
Chrysene	20.0	16.2	81	55 - 115	
2-Methylnaphthalene	20.0	16.2	81	35 - 110	
Dibenz(a,h)anthracene	20.0	15.8	79	46 - 122	
Fluoranthene	20.0	17.0	85	54 - 122	
Fluorene	20.0	15.9	80	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	15.9	80	46 - 121	
Naphthalene	20.0	15.7	78	31 - 110	
Phenanthrene	20.0	16.1	80	52 - 114	
Pyrene	20.0	15.7	78	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	28 - 110
2-Fluorophenol (Surr)	79	10 - 110
2,4,6-Tribromophenol (Surr)	81	22 - 120
Nitrobenzene-d5 (Surr)	66	27 - 111
Phenol-d5 (Surr)	78	10 - 110
Terphenyl-d14 (Surr)	88	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-14168

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-14168/6	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090206.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1216	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1216			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14168

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-14168/7	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090207.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1250	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1250			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14168/17	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1749	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1749			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	107	98	80 - 120	9	20		

Method Blank - Batch: 240-13725 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	MB 240-13725/1-A	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-13725	Lab File ID:	P1390116.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/01/2011 1815	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0847			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	61	35 - 137
DCB Decachlorobiphenyl	62	10 - 140

Lab Control Sample - Batch: 240-13725 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	LCS 240-13725/2-A	Analysis Batch:	240-14388	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-13725	Lab File ID:	P1390331.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1638	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0847			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.29	52	56 - 130	*
Aroclor-1260	2.50	1.40	56	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	68	35 - 137
DCB Decachlorobiphenyl	73	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-14650

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 240-14650/1-A	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14650	Lab File ID:	P1390915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0930	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/08/2011 1035			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	35 - 137
DCB Decachlorobiphenyl	73	10 - 140

Lab Control Sample - Batch: 240-14650

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 240-14650/2-A	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14650	Lab File ID:	P1390916.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0945	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/08/2011 1035			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.83	73	56 - 130	
Aroclor-1260	2.50	2.02	81	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	35 - 137
DCB Decachlorobiphenyl	71	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-13555

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-13555/5-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Water	Prep Batch:	240-13555	Lab File ID:	P6F83032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2011 0120	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0631	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13555

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-13555/6-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Water	Prep Batch:	240-13555	Lab File ID:	P6F83033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2011 0149	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13555/7-A	Analysis Batch:	240-13753	Instrument ID:	A2HP6F
Client Matrix:	Water	Prep Batch:	240-13555	Lab File ID:	P6F83038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2011 0411	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	08/29/2011 0818			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	86	87	75 - 115	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Method Blank - Batch: 240-13893

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-13893/1-A	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13893	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1451	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0954				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	ND		0.67	200
Cadmium	ND		0.66	2.0
Chromium	ND		2.2	5.0
Silver	ND		2.2	5.0
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-13893

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-13893/2-A	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13893	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1508	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0954				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2100	105	80 - 120	
Cadmium	50.0	54.8	110	80 - 120	
Chromium	200	207	103	80 - 120	
Silver	50.0	53.5	107	80 - 120	
Arsenic	2000	2010	101	80 - 120	
Lead	500	515	103	80 - 120	
Selenium	2000	2080	104	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3264-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13893

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-3264-3	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13893	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1525			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0954				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-3	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13893	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1530			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0954				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	104	105	75 - 125	1	20		
Cadmium	105	106	75 - 125	0	20		
Chromium	100	101	75 - 125	0	20		
Silver	107	109	75 - 125	2	20		
Arsenic	99	100	75 - 125	1	20		
Lead	100	100	75 - 125	1	20		
Selenium	102	103	75 - 125	1	20		

Method Blank - Batch: 240-13867

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-13867/1-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1146	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-13867

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-13867/2-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1149	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.56	91	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13867

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-3264-1	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1152			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-1	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1153			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	85	82	69 - 134	4	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3264-1

Login Number: 3264

List Source: TestAmerica North Canton

List Number: 1

Creator: Maddux, Ann

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6, 1.8, 1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3301-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/26/2011 4:54 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/26/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3301-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/27/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.4 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-128_0-2(20110825) (240-3301-1), ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4), ASB-132_2-4(20110826) (240-3301-5) and ASB-134_2-4(20110826) (240-3301-6) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/07/2011 and 09/12/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

2-Methylnaphthalene, Acenaphthene and Naphthalene exceeded the rpd limit for the MSD of sample ASB-131_2-4(20110826)MSD (240-3301-4) in batch 240-14603.

Refer to the QC report for details.

Sample ASB-134_2-4(20110826) (240-3301-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-134_2-4(20110826) (240-3301-6). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-128_0-2(20110825) (240-3301-1), ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4), ASB-132_2-4(20110826) (240-3301-5) and ASB-134_2-4(20110826) (240-3301-6) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/01/2011 and 09/08/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-13702/9-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

WI Diesel Range Organics (C10-C28) failed the recovery criteria high for LCS 240-13702/7-A. Refer to the QC report for details.

Sample ASB-134_2-4(20110826) (240-3301-6)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-DRO: The continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4).

Method(s) WI-DRO: The laboratory control sample (LCS) 13702 exceeded control limits for the following analytes: DRO. The samples reported were ND therefore, no corrective action was necessary.

Method(s) WI-DRO: The laboratory control sample (LCS) 13702 and closing CCV recovered outside acceptance limits for DRO. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.ASB-128_0-2(20110825) (240-3301-1), ASB-132_2-4(20110826) (240-3301-5), ASB-134_2-4(20110826) (240-3301-6).

Method(s) WI-DRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13702 for these samples ASB-128_0-2(20110825) (240-3301-1), ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4), ASB-132_2-4(20110826) (240-3301-5) and ASB-134_2-4(20110826) (240-3301-6).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-128_0-2(20110825) (240-3301-1), ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4), ASB-132_2-4(20110826) (240-3301-5) and ASB-134_2-4(20110826) (240-3301-6) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/01/2011.

Arsenic, Barium and Lead failed the recovery criteria low for the MS of sample ASB-128_0-2(20110825)MS (240-3301-1) in batch 240-14183.

Arsenic, Barium, Lead and Selenium failed the recovery criteria low for the MSD of sample ASB-128_0-2(20110825)MSD (240-3301-1) in batch 240-14183.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-128_0-2(20110825) (240-3301-1), ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4), ASB-132_2-4(20110826) (240-3301-5) and ASB-134_2-4(20110826) (240-3301-6) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/02/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-128_0-2(20110825) (240-3301-1), ASB-128_6-8(20110825) (240-3301-2), ASB-129_2-4(20110826) (240-3301-3), ASB-131_2-4(20110826) (240-3301-4), ASB-132_2-4(20110826) (240-3301-5) and ASB-134_2-4(20110826) (240-3301-6) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/30/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3301-1	**ASB-128_0-2(20110825)**					
Phenanthrene		8.7	J	400	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		8.7	J * B	10	mg/Kg	WI-DRO
Barium		83		23	mg/Kg	6010B
Chromium		8.5		0.57	mg/Kg	6010B
Arsenic		17		1.1	mg/Kg	6010B
Lead		10		0.34	mg/Kg	6010B
Mercury		0.019	J	0.12	mg/Kg	7471A
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-3301-2	**ASB-128_6-8(20110825)**					
WI Diesel Range Organics (C10-C28)		2.9	J B *	10	mg/Kg	WI-DRO
Barium		100		23	mg/Kg	6010B
Cadmium		0.049	J	0.23	mg/Kg	6010B
Chromium		14		0.59	mg/Kg	6010B
Arsenic		4.3		1.2	mg/Kg	6010B
Lead		9.3		0.35	mg/Kg	6010B
Mercury		0.042	J	0.076	mg/Kg	7471A
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-3301-3	**ASB-129_2-4(20110826)**					
WI Diesel Range Organics (C10-C28)		3.8	J B *	10	mg/Kg	WI-DRO
Barium		110		25	mg/Kg	6010B
Cadmium		0.11	J	0.25	mg/Kg	6010B
Chromium		18		0.62	mg/Kg	6010B
Arsenic		5.3		1.2	mg/Kg	6010B
Lead		9.4		0.37	mg/Kg	6010B
Mercury		0.029	J	0.099	mg/Kg	7471A
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-3301-4	**ASB-131_2-4(20110826)**					
WI Diesel Range Organics (C10-C28)		3.2	J B *	10	mg/Kg	WI-DRO
Barium		39		21	mg/Kg	6010B
Chromium		8.7		0.53	mg/Kg	6010B
Arsenic		5.1		1.1	mg/Kg	6010B
Lead		3.9		0.32	mg/Kg	6010B
Mercury		0.025	J	0.084	mg/Kg	7471A
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3301-5	**ASB-132_2-4(20110826)**					
Benzo[a]anthracene		12	J	370	ug/Kg	8270C
Benzo[a]pyrene		12	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		17	J	370	ug/Kg	8270C
Benzo[g,h,i]perylene		13	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		9.0	J	370	ug/Kg	8270C
Chrysene		16	J	370	ug/Kg	8270C
Fluoranthene		24	J	370	ug/Kg	8270C
Phenanthrene		11	J	370	ug/Kg	8270C
Pyrene		25	J	370	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		12	* B	10	mg/Kg	WI-DRO
Barium		47		20	mg/Kg	6010B
Chromium		10		0.50	mg/Kg	6010B
Arsenic		3.4		1.0	mg/Kg	6010B
Lead		4.6		0.30	mg/Kg	6010B
Mercury		0.024	J	0.078	mg/Kg	7471A
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-3301-6	**ASB-134_2-4(20110826)**					
Benzo[a]anthracene		140	J	2000	ug/Kg	8270C
Benzo[a]pyrene		140	J	2000	ug/Kg	8270C
Benzo[b]fluoranthene		190	J	2000	ug/Kg	8270C
Benzo[g,h,i]perylene		140	J	2000	ug/Kg	8270C
Benzo[k]fluoranthene		53	J	2000	ug/Kg	8270C
Chrysene		190	J	2000	ug/Kg	8270C
Fluoranthene		280	J	2000	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		71	J	2000	ug/Kg	8270C
Phenanthrene		110	J	2000	ug/Kg	8270C
Pyrene		260	J	2000	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		180	* B	97	mg/Kg	WI-DRO
Barium		88		22	mg/Kg	6010B
Cadmium		0.12	J	0.22	mg/Kg	6010B
Chromium		14		0.56	mg/Kg	6010B
Arsenic		4.3		1.1	mg/Kg	6010B
Lead		7.8		0.33	mg/Kg	6010B
Mercury		0.019	J	0.083	mg/Kg	7471A
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Method	Analyst	Analyst ID
SW846 8270C	Ulman, Mark	MU
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3301-1	ASB-128_0-2(20110825)	Solid	08/25/2011 1725	08/27/2011 0930
240-3301-2	ASB-128_6-8(20110825)	Solid	08/25/2011 1515	08/27/2011 0930
240-3301-3	ASB-129_2-4(20110826)	Solid	08/26/2011 0840	08/27/2011 0930
240-3301-4	ASB-131_2-4(20110826)	Solid	08/26/2011 1330	08/27/2011 0930
240-3301-5	ASB-132_2-4(20110826)	Solid	08/26/2011 1430	08/27/2011 0930
240-3301-6	ASB-134_2-4(20110826)	Solid	08/26/2011 1555	08/27/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-128_0-2(20110825)**

Lab Sample ID: 240-3301-1 Date Sampled: 08/25/2011 1725
Client Matrix: Solid % Moisture: 17.7 Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-13740	Lab File ID:	3301D1A.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Analysis Date:	09/07/2011 2221			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.0	400
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Anthracene		ND		4.0	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Fluoranthene		ND		4.0	400
Fluorene		ND		4.0	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Naphthalene		ND		4.0	400
Phenanthrene		8.7	J	4.0	400
Pyrene		ND		4.0	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	48		10 - 118
2-Fluorobiphenyl (Surr)	58		34 - 110
2-Fluorophenol (Surr)	66		26 - 110
Nitrobenzene-d5 (Surr)	63		24 - 112
Phenol-d5 (Surr)	64		28 - 110
Terphenyl-d14 (Surr)	86		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-128_6-8(20110825)**

Lab Sample ID: 240-3301-2 Date Sampled: 08/25/2011 1515
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-13740	Lab File ID:	3301D2A.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	09/07/2011 2104			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.1	410
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Anthracene		ND		4.1	410
Benzo[a]anthracene		ND		4.1	410
Benzo[a]pyrene		ND		4.1	410
Benzo[b]fluoranthene		ND		4.1	410
Benzo[g,h,i]perylene		ND		4.1	410
Benzo[k]fluoranthene		ND		4.1	410
Chrysene		ND		1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Fluoranthene		ND		4.1	410
Fluorene		ND		4.1	410
Indeno[1,2,3-cd]pyrene		ND		4.1	410
Naphthalene		ND		4.1	410
Phenanthrene		ND		4.1	410
Pyrene		ND		4.1	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	60		10 - 118
2-Fluorobiphenyl (Surr)	65		34 - 110
2-Fluorophenol (Surr)	75		26 - 110
Nitrobenzene-d5 (Surr)	68		24 - 112
Phenol-d5 (Surr)	73		28 - 110
Terphenyl-d14 (Surr)	88		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-129_2-4(20110826)**

Lab Sample ID: 240-3301-3 Date Sampled: 08/26/2011 0840
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-13740	Lab File ID:	3301D3A.D
Dilution:	1.0			Initial Weight/Volume:	29.95 g
Analysis Date:	09/07/2011 2240			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.1	410
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Anthracene		ND		4.1	410
Benzo[a]anthracene		ND		4.1	410
Benzo[a]pyrene		ND		4.1	410
Benzo[b]fluoranthene		ND		4.1	410
Benzo[g,h,i]perylene		ND		4.1	410
Benzo[k]fluoranthene		ND		4.1	410
Chrysene		ND		1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Fluoranthene		ND		4.1	410
Fluorene		ND		4.1	410
Indeno[1,2,3-cd]pyrene		ND		4.1	410
Naphthalene		ND		4.1	410
Phenanthrene		ND		4.1	410
Pyrene		ND		4.1	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	66		10 - 118
2-Fluorobiphenyl (Surr)	57		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
Nitrobenzene-d5 (Surr)	55		24 - 112
Phenol-d5 (Surr)	62		28 - 110
Terphenyl-d14 (Surr)	81		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-131_2-4(20110826)**

Lab Sample ID: 240-3301-4 Date Sampled: 08/26/2011 1330
Client Matrix: Solid % Moisture: 12.6 Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-13740	Lab File ID:	3301C4A.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	09/07/2011 2123			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.8	380
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Anthracene		ND		3.8	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Naphthalene		ND		3.8	380
Phenanthrene		ND		3.8	380
Pyrene		ND		3.8	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	51		10 - 118
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
Nitrobenzene-d5 (Surr)	58		24 - 112
Phenol-d5 (Surr)	58		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-132_2-4(20110826)**

Lab Sample ID: 240-3301-5 Date Sampled: 08/26/2011 1430
Client Matrix: Solid % Moisture: 11.9 Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15222	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-13740	Lab File ID:	3301C5A.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Analysis Date:	09/12/2011 2018			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.7	370
Acenaphthene		ND		3.7	370
Acenaphthylene		ND		3.7	370
Anthracene		ND		3.7	370
Benzo[a]anthracene		12	J	3.7	370
Benzo[a]pyrene		12	J	3.7	370
Benzo[b]fluoranthene		17	J	3.7	370
Benzo[g,h,i]perylene		13	J	3.7	370
Benzo[k]fluoranthene		9.0	J	3.7	370
Chrysene		16	J	1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Fluoranthene		24	J	3.7	370
Fluorene		ND		3.7	370
Indeno[1,2,3-cd]pyrene		ND		3.7	370
Naphthalene		ND		3.7	370
Phenanthrene		11	J	3.7	370
Pyrene		25	J	3.7	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	56		10 - 118
2-Fluorobiphenyl (Surr)	58		34 - 110
2-Fluorophenol (Surr)	66		26 - 110
Nitrobenzene-d5 (Surr)	64		24 - 112
Phenol-d5 (Surr)	69		28 - 110
Terphenyl-d14 (Surr)	76		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-134_2-4(20110826)**

Lab Sample ID: 240-3301-6 Date Sampled: 08/26/2011 1555
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-13740	Lab File ID:	3301C6A.D
Dilution:	5.0			Initial Weight/Volume:	30.11 g
Analysis Date:	09/07/2011 2318			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		20	2000
Acenaphthene		ND		20	2000
Acenaphthylene		ND		20	2000
Anthracene		ND		20	2000
Benzo[a]anthracene		140	J	20	2000
Benzo[a]pyrene		140	J	20	2000
Benzo[b]fluoranthene		190	J	20	2000
Benzo[g,h,i]perylene		140	J	20	2000
Benzo[k]fluoranthene		53	J	20	2000
Chrysene		190	J	6.8	2000
Dibenz(a,h)anthracene		ND		20	2000
Fluoranthene		280	J	20	2000
Fluorene		ND		20	2000
Indeno[1,2,3-cd]pyrene		71	J	20	2000
Naphthalene		ND		20	2000
Phenanthrene		110	J	20	2000
Pyrene		260	J	20	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64		10 - 118
2-Fluorobiphenyl (Surr)	63		34 - 110
2-Fluorophenol (Surr)	69		26 - 110
Nitrobenzene-d5 (Surr)	66		24 - 112
Phenol-d5 (Surr)	72		28 - 110
Terphenyl-d14 (Surr)	81		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-128_0-2(20110825)**

Lab Sample ID: 240-3301-1 Date Sampled: 08/25/2011 1725
Client Matrix: Solid % Moisture: 17.7 Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14612	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-13702	Lab File ID:	P6B90807.D
Dilution:	1.0			Initial Weight/Volume:	28.86 g
Analysis Date:	09/08/2011 1212			Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		8.7	J * B	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-128_6-8(20110825)**

Lab Sample ID: 240-3301-2 Date Sampled: 08/25/2011 1515
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14039	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-13702	Lab File ID:	P6B90109.D
Dilution:	1.0			Initial Weight/Volume:	28.97 g
Analysis Date:	09/01/2011 1326			Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.9	J B *	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-129_2-4(20110826)**

Lab Sample ID: 240-3301-3 Date Sampled: 08/26/2011 0840
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14039	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-13702	Lab File ID:	P6B90110.D
Dilution:	1.0			Initial Weight/Volume:	28.47 g
Analysis Date:	09/01/2011 1355			Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.8	J B *	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-131_2-4(20110826)**

Lab Sample ID: 240-3301-4 Date Sampled: 08/26/2011 1330
Client Matrix: Solid % Moisture: 12.6 Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14039	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-13702	Lab File ID:	P6B90111.D
Dilution:	1.0			Initial Weight/Volume:	27.25 g
Analysis Date:	09/01/2011 1424			Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.2	J B *	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-132_2-4(20110826)**

Lab Sample ID: 240-3301-5 Date Sampled: 08/26/2011 1430
Client Matrix: Solid % Moisture: 11.9 Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14612	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-13702	Lab File ID:	P6B90808.D
Dilution:	1.0			Initial Weight/Volume:	27.12 g
Analysis Date:	09/08/2011 1241			Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		12	* B	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-134_2-4(20110826)**

Lab Sample ID: 240-3301-6 Date Sampled: 08/26/2011 1555
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14612	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-13702	Lab File ID:	P6B90809.D
Dilution:	10			Initial Weight/Volume:	30.64 g
Analysis Date:	09/08/2011 1310			Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		180	* B	12	97

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-128_0-2(20110825)**

Lab Sample ID: 240-3301-1 Date Sampled: 08/25/2011 1725
Client Matrix: Solid % Moisture: 17.7 Date Received: 08/27/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/01/2011 1701			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		83		0.081	23
Cadmium		ND		0.041	0.23
Chromium		8.5		0.23	0.57
Silver		ND		0.11	0.57
Arsenic		17		0.34	1.1
Lead		10		0.22	0.34
Selenium		ND	L	0.52	0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	09/02/2011 1406			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-128_6-8(20110825)**

Lab Sample ID: 240-3301-2 Date Sampled: 08/25/2011 1515
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/27/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	09/01/2011 1735			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		100		0.083	23
Cadmium		0.049	J	0.042	0.23
Chromium		14		0.23	0.59
Silver		ND		0.12	0.59
Arsenic		4.3		0.35	1.2
Lead		9.3		0.22	0.35
Selenium		ND	L	0.53	0.59

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.97 g
Analysis Date:	09/02/2011 1409			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.042	J	0.011	0.076

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-129_2-4(20110826)**

Lab Sample ID: 240-3301-3 Date Sampled: 08/26/2011 0840
Client Matrix: Solid % Moisture: 18.8 Date Received: 08/27/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Analysis Date:	09/01/2011 1741			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		110		0.087	25
Cadmium		0.11	J	0.044	0.25
Chromium		18		0.25	0.62
Silver		ND		0.12	0.62
Arsenic		5.3		0.37	1.2
Lead		9.4		0.23	0.37
Selenium		ND	L	0.55	0.62

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.75 g
Analysis Date:	09/02/2011 1411			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.029	J	0.015	0.099

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-131_2-4(20110826)**

Lab Sample ID: 240-3301-4 Date Sampled: 08/26/2011 1330
Client Matrix: Solid % Moisture: 12.6 Date Received: 08/27/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	09/01/2011 1746			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		39		0.075	21
Cadmium		ND		0.038	0.21
Chromium		8.7		0.21	0.53
Silver		ND		0.11	0.53
Arsenic		5.1		0.32	1.1
Lead		3.9		0.20	0.32
Selenium		ND	L	0.48	0.53

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.82 g
Analysis Date:	09/02/2011 1412			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	J	0.013	0.084

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-132_2-4(20110826)**

Lab Sample ID: 240-3301-5 Date Sampled: 08/26/2011 1430
Client Matrix: Solid % Moisture: 11.9 Date Received: 08/27/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/01/2011 1752			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		47		0.071	20
Cadmium		ND		0.036	0.20
Chromium		10		0.20	0.50
Silver		ND		0.10	0.50
Arsenic		3.4		0.30	1.0
Lead		4.6		0.19	0.30
Selenium		ND	L	0.45	0.50

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.87 g
Analysis Date:	09/02/2011 1413			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	J	0.012	0.078

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Client Sample ID: **ASB-134_2-4(20110826)**

Lab Sample ID: 240-3301-6 Date Sampled: 08/26/2011 1555
Client Matrix: Solid % Moisture: 19.0 Date Received: 08/27/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	09/01/2011 1758			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		88		0.079	22
Cadmium		0.12	J	0.040	0.22
Chromium		14		0.22	0.56
Silver		ND		0.11	0.56
Arsenic		4.3		0.33	1.1
Lead		7.8		0.21	0.33
Selenium		ND	L	0.50	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.89 g
Analysis Date:	09/02/2011 1415			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.012	0.083

General Chemistry

Client Sample ID: **ASB-128_0-2(20110825)**

Lab Sample ID: 240-3301-1 Date Sampled: 08/25/2011 1725

Client Matrix: Solid Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-128_6-8(20110825)**

Lab Sample ID: 240-3301-2 Date Sampled: 08/25/2011 1515

Client Matrix: Solid Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-129_2-4(20110826)**

Lab Sample ID: 240-3301-3 Date Sampled: 08/26/2011 0840

Client Matrix: Solid Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-131_2-4(20110826)**

Lab Sample ID: 240-3301-4 Date Sampled: 08/26/2011 1330

Client Matrix: Solid Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-132_2-4(20110826)**

Lab Sample ID: 240-3301-5 Date Sampled: 08/26/2011 1430

Client Matrix: Solid Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-134_2-4(20110826)**

Lab Sample ID: 240-3301-6 Date Sampled: 08/26/2011 1555

Client Matrix: Solid Date Received: 08/27/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-13737	Analysis Date: 08/30/2011 0918						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	L	A negative instrument reading had an absolute value greater than the reporting limit
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-13740					
LCS 240-13740/10-A	Lab Control Sample	T	Solid	3540C	
MB 240-13740/11-A	Method Blank	T	Solid	3540C	
240-3301-1	ASB-128_0-2(20110825)	T	Solid	3540C	
240-3301-2	ASB-128_6-8(20110825)	T	Solid	3540C	
240-3301-3	ASB-129_2-4(20110826)	T	Solid	3540C	
240-3301-4	ASB-131_2-4(20110826)	T	Solid	3540C	
240-3301-4MS	Matrix Spike	T	Solid	3540C	
240-3301-4MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3301-5	ASB-132_2-4(20110826)	T	Solid	3540C	
240-3301-6	ASB-134_2-4(20110826)	T	Solid	3540C	
Analysis Batch:240-14339					
LCS 240-13740/10-A	Lab Control Sample	T	Solid	8270C	240-13740
MB 240-13740/11-A	Method Blank	T	Solid	8270C	240-13740
Analysis Batch:240-14603					
240-3301-1	ASB-128_0-2(20110825)	T	Solid	8270C	240-13740
240-3301-2	ASB-128_6-8(20110825)	T	Solid	8270C	240-13740
240-3301-3	ASB-129_2-4(20110826)	T	Solid	8270C	240-13740
240-3301-4	ASB-131_2-4(20110826)	T	Solid	8270C	240-13740
240-3301-4MS	Matrix Spike	T	Solid	8270C	240-13740
240-3301-4MSD	Matrix Spike Duplicate	T	Solid	8270C	240-13740
240-3301-6	ASB-134_2-4(20110826)	T	Solid	8270C	240-13740
Analysis Batch:240-15222					
240-3301-5	ASB-132_2-4(20110826)	T	Solid	8270C	240-13740

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13702					
LCS 240-13702/7-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-13702/8-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-13702/9-A	Method Blank	T	Solid	WI DRO PREP	
240-3301-1	ASB-128_0-2(20110825)	T	Solid	WI DRO PREP	
240-3301-2	ASB-128_6-8(20110825)	T	Solid	WI DRO PREP	
240-3301-3	ASB-129_2-4(20110826)	T	Solid	WI DRO PREP	
240-3301-4	ASB-131_2-4(20110826)	T	Solid	WI DRO PREP	
240-3301-5	ASB-132_2-4(20110826)	T	Solid	WI DRO PREP	
240-3301-6	ASB-134_2-4(20110826)	T	Solid	WI DRO PREP	
Analysis Batch:240-14039					
LCS 240-13702/7-A	Lab Control Sample	T	Solid	WI-DRO	240-13702
LCSD 240-13702/8-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-13702
MB 240-13702/9-A	Method Blank	T	Solid	WI-DRO	240-13702
240-3301-2	ASB-128_6-8(20110825)	T	Solid	WI-DRO	240-13702
240-3301-3	ASB-129_2-4(20110826)	T	Solid	WI-DRO	240-13702
240-3301-4	ASB-131_2-4(20110826)	T	Solid	WI-DRO	240-13702
Analysis Batch:240-14612					
240-3301-1	ASB-128_0-2(20110825)	T	Solid	WI-DRO	240-13702
240-3301-5	ASB-132_2-4(20110826)	T	Solid	WI-DRO	240-13702
240-3301-6	ASB-134_2-4(20110826)	T	Solid	WI-DRO	240-13702

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13875					
LCS 240-13875/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-13875/1-A	Method Blank	T	Solid	3050B	
240-3301-1	ASB-128_0-2(20110825)	T	Solid	3050B	
240-3301-1MS	Matrix Spike	T	Solid	3050B	
240-3301-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3301-2	ASB-128_6-8(20110825)	T	Solid	3050B	
240-3301-3	ASB-129_2-4(20110826)	T	Solid	3050B	
240-3301-4	ASB-131_2-4(20110826)	T	Solid	3050B	
240-3301-5	ASB-132_2-4(20110826)	T	Solid	3050B	
240-3301-6	ASB-134_2-4(20110826)	T	Solid	3050B	
Prep Batch: 240-13896					
LCS 240-13896/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-13896/1-A	Method Blank	T	Solid	7471A	
240-3301-1	ASB-128_0-2(20110825)	T	Solid	7471A	
240-3301-1MS	Matrix Spike	T	Solid	7471A	
240-3301-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3301-2	ASB-128_6-8(20110825)	T	Solid	7471A	
240-3301-3	ASB-129_2-4(20110826)	T	Solid	7471A	
240-3301-4	ASB-131_2-4(20110826)	T	Solid	7471A	
240-3301-5	ASB-132_2-4(20110826)	T	Solid	7471A	
240-3301-6	ASB-134_2-4(20110826)	T	Solid	7471A	
Analysis Batch:240-14183					
LCS 240-13875/2-A	Lab Control Sample	T	Solid	6010B	240-13875
MB 240-13875/1-A	Method Blank	T	Solid	6010B	240-13875
240-3301-1	ASB-128_0-2(20110825)	T	Solid	6010B	240-13875
240-3301-1MS	Matrix Spike	T	Solid	6010B	240-13875
240-3301-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-13875
240-3301-2	ASB-128_6-8(20110825)	T	Solid	6010B	240-13875
240-3301-3	ASB-129_2-4(20110826)	T	Solid	6010B	240-13875
240-3301-4	ASB-131_2-4(20110826)	T	Solid	6010B	240-13875
240-3301-5	ASB-132_2-4(20110826)	T	Solid	6010B	240-13875
240-3301-6	ASB-134_2-4(20110826)	T	Solid	6010B	240-13875

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-14241					
LCS 240-13896/2-A	Lab Control Sample	T	Solid	7471A	240-13896
MB 240-13896/1-A	Method Blank	T	Solid	7471A	240-13896
240-3301-1	ASB-128_0-2(20110825)	T	Solid	7471A	240-13896
240-3301-1MS	Matrix Spike	T	Solid	7471A	240-13896
240-3301-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-13896
240-3301-2	ASB-128_6-8(20110825)	T	Solid	7471A	240-13896
240-3301-3	ASB-129_2-4(20110826)	T	Solid	7471A	240-13896
240-3301-4	ASB-131_2-4(20110826)	T	Solid	7471A	240-13896
240-3301-5	ASB-132_2-4(20110826)	T	Solid	7471A	240-13896
240-3301-6	ASB-134_2-4(20110826)	T	Solid	7471A	240-13896

Report Basis
T = Total

General Chemistry					
Analysis Batch:240-13737					
240-3301-1	ASB-128_0-2(20110825)	T	Solid	Moisture	
240-3301-2	ASB-128_6-8(20110825)	T	Solid	Moisture	
240-3301-3	ASB-129_2-4(20110826)	T	Solid	Moisture	
240-3301-4	ASB-131_2-4(20110826)	T	Solid	Moisture	
240-3301-5	ASB-132_2-4(20110826)	T	Solid	Moisture	
240-3301-6	ASB-134_2-4(20110826)	T	Solid	Moisture	
240-3301-6DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3301-1	ASB-128_0-2(20110825)	48	58	66	63	64	86
240-3301-2	ASB-128_6-8(20110825)	60	65	75	68	73	88
240-3301-3	ASB-129_2-4(20110826)	66	57	63	55	62	81
240-3301-4	ASB-131_2-4(20110826)	51	55	61	58	58	78
240-3301-5	ASB-132_2-4(20110826)	56	58	66	64	69	76
240-3301-6	ASB-134_2-4(20110826)	64	63	69	66	72	81
MB 240-13740/11-A		44	46	54	49	56	63
LCS 240-13740/10-A		50	50	58	51	61	67
240-3301-4 MS	ASB-131_2-4(20110826) MS	55	59	65	60	65	81
240-3301-4 MSD	ASB-131_2-4(20110826) MSD	46	42	45	40	46	64

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Method Blank - Batch: 240-13740

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-13740/11-A	Analysis Batch:	240-14339	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-13740	Lab File ID:	MB13740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/03/2011 1611	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	44	10 - 118
2-Fluorobiphenyl (Surr)	46	34 - 110
2-Fluorophenol (Surr)	54	26 - 110
Nitrobenzene-d5 (Surr)	49	24 - 112
Phenol-d5 (Surr)	56	28 - 110
Terphenyl-d14 (Surr)	63	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Lab Control Sample - Batch: 240-13740

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-13740/10-A	Analysis Batch:	240-14339	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-13740	Lab File ID:	LCS13740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/03/2011 1631	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	366	55	46 - 110	
Acenaphthene	667	348	52	46 - 110	
Acenaphthylene	667	361	54	47 - 110	
Anthracene	667	404	61	56 - 111	
Benzo[a]anthracene	667	398	60	58 - 111	
Benzo[a]pyrene	667	367	55	44 - 115	
Benzo[b]fluoranthene	667	365	55	43 - 124	
Benzo[g,h,i]perylene	667	414	62	44 - 120	
Benzo[k]fluoranthene	667	449	67	38 - 122	
Chrysene	667	427	64	56 - 111	
Dibenz(a,h)anthracene	667	393	59	45 - 122	
Fluoranthene	667	443	66	55 - 118	
Fluorene	667	373	56	51 - 110	
Indeno[1,2,3-cd]pyrene	667	404	61	45 - 121	
Naphthalene	667	340	51	42 - 110	
Phenanthrene	667	397	59	54 - 110	
Pyrene	667	413	62	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	50	10 - 118
2-Fluorobiphenyl (Surr)	50	34 - 110
2-Fluorophenol (Surr)	58	26 - 110
Nitrobenzene-d5 (Surr)	51	24 - 112
Phenol-d5 (Surr)	61	28 - 110
Terphenyl-d14 (Surr)	67	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13740

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3301-4	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-13740	Lab File ID:	3301C4BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.12 g
Analysis Date:	09/07/2011 2142			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3301-4	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-13740	Lab File ID:	3301C4CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.93 g
Analysis Date:	09/07/2011 2202			Final Weight/Volume:	2 mL
Prep Date:	08/30/2011 0925			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	61	44	10 - 200	31	30		J F
Acenaphthene	63	45	10 - 200	34	30		J F
Acenaphthylene	61	46	10 - 200	27	30		J
Anthracene	65	49	10 - 200	27	30		J
Benzo[a]anthracene	69	55	10 - 200	21	30		
Benzo[a]pyrene	61	51	10 - 200	17	30		
Benzo[b]fluoranthene	64	55	10 - 200	16	30		
Benzo[g,h,i]perylene	73	62	10 - 200	16	30		
Benzo[k]fluoranthene	74	60	10 - 200	20	30		
Chrysene	68	59	10 - 200	14	30		
Dibenz(a,h)anthracene	69	60	10 - 200	14	30		
Fluoranthene	73	57	10 - 200	24	30		
Fluorene	61	46	10 - 187	27	30		J
Indeno[1,2,3-cd]pyrene	72	61	10 - 200	17	30		
Naphthalene	60	42	10 - 200	36	30		J F
Phenanthrene	61	48	10 - 200	24	30		J
Pyrene	71	58	10 - 200	20	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	55	46	10 - 118
2-Fluorobiphenyl (Surr)	59	42	34 - 110
2-Fluorophenol (Surr)	65	45	26 - 110
Nitrobenzene-d5 (Surr)	60	40	24 - 112
Phenol-d5 (Surr)	65	46	28 - 110
Terphenyl-d14 (Surr)	81	64	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Method Blank - Batch: 240-13702

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-13702/9-A	Analysis Batch:	240-14039	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-13702	Lab File ID:	P6B90106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/01/2011 1158	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	2.53	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13702

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-13702/7-A	Analysis Batch:	240-14039	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-13702	Lab File ID:	P6B90107.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/01/2011 1227	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13702/8-A	Analysis Batch:	240-14039	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-13702	Lab File ID:	P6B90114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/01/2011 1551	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/30/2011 0808			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	124	115	70 - 120	8	20	*	

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Method Blank - Batch: 240-13875

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-13875/1-A	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/01/2011 1650	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	ND		0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-13875

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-13875/2-A	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/01/2011 1655	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	194	97	80 - 120	
Cadmium	5.00	5.00	100	80 - 120	
Chromium	20.0	19.0	95	80 - 120	
Silver	5.00	4.98	100	80 - 120	
Arsenic	200	181	91	80 - 120	
Lead	50.0	46.9	94	80 - 120	
Selenium	200	182	91	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13875

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3301-1	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	09/01/2011 1724			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3301-1	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-13875	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	09/01/2011 1729			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 0919				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	62	54	75 - 125	10	20	F	F
Cadmium	83	75	75 - 125	10	20		
Chromium	88	89	75 - 125	1	20		
Silver	88	78	75 - 125	12	20		
Arsenic	74	67	75 - 125	9	20	F	F
Lead	70	62	75 - 125	10	20	F	F
Selenium	79	70	75 - 125	12	20		F

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Method Blank - Batch: 240-13896

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-13896/1-A	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1403	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-13896

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-13896/2-A	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1404	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.823	99	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13896

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3301-1	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	09/02/2011 1407			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3301-1	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-13896	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	09/02/2011 1408			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1315				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	103	102	11 - 192	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3301-1

Duplicate - Batch: 240-13737

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3301-6	Analysis Batch:	240-13737	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/30/2011 0918	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	81	83	2	20	
Percent Moisture	19	17	11	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3301-1

Login Number: 3301

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2/2.7/2.8/3.1/3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

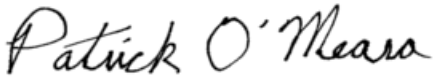
ANALYTICAL REPORT

Job Number: 240-3303-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/22/2011 4:25 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/22/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3303-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/27/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.7, 2.8, 3.1 and 3.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-128_5-10(20110825) (240-3303-1), TB-003(20110825) (240-3303-2), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/04/2011.

Methylene Chloride was detected in method blank MB 240-14331/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-128_5-10(20110825) (240-3303-1), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/01/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13717.

No difficulties were encountered during the SVOC analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-128_5-10(20110825) (240-3303-1), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/15/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-13721/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13721.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-128_5-10(20110825) (240-3303-1), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/02/2011.

The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): ASB-129_4.5-9.5(20110826) (240-3303-3).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14168.

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-128_5-10(20110825) (240-3303-1), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/01/2011 and 09/09/2011.

The laboratory control sample (LCS) for batch 13725 failed low. The associated samples were re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14650 and 13725.

Due to the initial volume used, the following sample deviated from the standard procedure: ASB-128_5-10(20110825) (240-3303-1). The reporting limits (RLs) have been adjusted proportionately.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples ASB-128_5-10(20110825) (240-3303-1), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/01/2011.

Barium was detected in method blank MB 240-13851/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

All other quality control parameters were within the acceptance limits.

No difficulties were encountered during the metals analyses.

DISSOLVED MERCURY (CVAA)

Samples ASB-128_5-10(20110825) (240-3303-1), ASB-129_4.5-9.5(20110826) (240-3303-3), ASB-130_0-5(20110826) (240-3303-4) and DUP-001 (240-3303-5) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3303-1	**ASB-128_5-10(20110825)**					
Acetone		1.6	J	10	ug/L	8260B
Toluene		0.23	J	1.0	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.38	B	0.11	mg/L	WI-DRO
Dissolved						
Barium		250	B	200	ug/L	6010B
Arsenic		23		10	ug/L	6010B
240-3303-3	**ASB-129_4.5-9.5(20110826)**					
Acetone		2.3	J	10	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.41	B	0.10	mg/L	WI-DRO
Dissolved						
Barium		190	J B	200	ug/L	6010B
240-3303-4	**ASB-130_0-5(20110826)**					
WI Diesel Range Organics (C10-C28)		0.27	B	0.10	mg/L	WI-DRO
Dissolved						
Barium		180	J B	200	ug/L	6010B
240-3303-5FD	**DUP-001**					
WI Diesel Range Organics (C10-C28)		0.41	B	0.10	mg/L	WI-DRO
Dissolved						
Barium		180	J B	200	ug/L	6010B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method	Analyst	Analyst ID
SW846 8260B	Quayle, Rick	RQ
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
SW846 8082	Kuster, Rhonda	RK
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3303-1	ASB-128_5-10(20110825)	Water	08/25/2011 1605	08/27/2011 0930
240-3303-2TB	TB-003(20110825)	Water	08/25/2011 0000	08/27/2011 0930
240-3303-3	ASB-129_4.5-9.5(20110826)	Water	08/26/2011 0930	08/27/2011 0930
240-3303-4	ASB-130_0-5(20110826)	Water	08/26/2011 1130	08/27/2011 0930
240-3303-5FD	DUP-001	Water	08/26/2011 0000	08/27/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9385.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1944			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1944				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	1.6	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9385.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1944			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1944				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	0.23	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		63 - 129
4-Bromofluorobenzene (Surr)	102		66 - 117
Toluene-d8 (Surr)	106		74 - 115
Dibromofluoromethane (Surr)	108		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **TB-003(20110825)**

Lab Sample ID: 240-3303-2TB Date Sampled: 08/25/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9386.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2006			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2006				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **TB-003(20110825)**

Lab Sample ID: 240-3303-2TB Date Sampled: 08/25/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9386.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2006			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2006				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 117
Toluene-d8 (Surr)	107		74 - 115
Dibromofluoromethane (Surr)	106		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9387.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2028			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2028				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	2.3	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9387.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2028			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2028				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 129
4-Bromofluorobenzene (Surr)	97		66 - 117
Toluene-d8 (Surr)	104		74 - 115
Dibromofluoromethane (Surr)	112		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9388.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2051			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2051				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9388.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2051			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2051				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		63 - 129
4-Bromofluorobenzene (Surr)	102		66 - 117
Toluene-d8 (Surr)	104		74 - 115
Dibromofluoromethane (Surr)	106		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9389.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2114			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2114				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9389.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 2114			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 2114				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 129
4-Bromofluorobenzene (Surr)	99		66 - 117
Toluene-d8 (Surr)	104		74 - 115
Dibromofluoromethane (Surr)	106		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-13717	Lab File ID:	0901033.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/01/2011 1839			Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0830			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.098	9.8
Acenaphthylene	ND		0.098	9.8
Anthracene	ND		0.098	9.8
Benzo[a]anthracene	ND		0.098	0.20
Benzo[b]fluoranthene	ND		0.098	9.8
Benzo[k]fluoranthene	ND		0.098	9.8
Benzo[g,h,i]perylene	ND		0.098	9.8
Benzo[a]pyrene	ND		0.098	9.8
Chrysene	ND		0.098	9.8
2-Methylnaphthalene	ND		0.098	9.8
Dibenz(a,h)anthracene	ND		0.098	9.8
Fluoranthene	ND		0.098	9.8
Fluorene	ND		0.098	9.8
Indeno[1,2,3-cd]pyrene	ND		0.098	9.8
Naphthalene	ND		0.098	9.8
Phenanthrene	ND		0.098	9.8
Pyrene	ND		0.098	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	44		28 - 110
2-Fluorophenol (Surr)	52		10 - 110
2,4,6-Tribromophenol (Surr)	58		22 - 120
Nitrobenzene-d5 (Surr)	59		27 - 111
Phenol-d5 (Surr)	51		10 - 110
Terphenyl-d14 (Surr)	37		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-13717	Lab File ID:	0901034.D
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/01/2011 1856			Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0830			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	46		28 - 110
2-Fluorophenol (Surr)	51		10 - 110
2,4,6-Tribromophenol (Surr)	57		22 - 120
Nitrobenzene-d5 (Surr)	40		27 - 111
Phenol-d5 (Surr)	48		10 - 110
Terphenyl-d14 (Surr)	39		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-13717	Lab File ID:	0901035.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	09/01/2011 1912			Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0830			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.099	9.9
Acenaphthylene	ND		0.099	9.9
Anthracene	ND		0.099	9.9
Benzo[a]anthracene	ND		0.099	0.20
Benzo[b]fluoranthene	ND		0.099	9.9
Benzo[k]fluoranthene	ND		0.099	9.9
Benzo[g,h,i]perylene	ND		0.099	9.9
Benzo[a]pyrene	ND		0.099	9.9
Chrysene	ND		0.099	9.9
2-Methylnaphthalene	ND		0.099	9.9
Dibenz(a,h)anthracene	ND		0.099	9.9
Fluoranthene	ND		0.099	9.9
Fluorene	ND		0.099	9.9
Indeno[1,2,3-cd]pyrene	ND		0.099	9.9
Naphthalene	ND		0.099	9.9
Phenanthrene	ND		0.099	9.9
Pyrene	ND		0.099	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		28 - 110
2-Fluorophenol (Surr)	54		10 - 110
2,4,6-Tribromophenol (Surr)	62		22 - 120
Nitrobenzene-d5 (Surr)	53		27 - 111
Phenol-d5 (Surr)	51		10 - 110
Terphenyl-d14 (Surr)	68		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-13717	Lab File ID:	0901036.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	09/01/2011 1929			Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0830			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.099	9.9
Acenaphthylene	ND		0.099	9.9
Anthracene	ND		0.099	9.9
Benzo[a]anthracene	ND		0.099	0.20
Benzo[b]fluoranthene	ND		0.099	9.9
Benzo[k]fluoranthene	ND		0.099	9.9
Benzo[g,h,i]perylene	ND		0.099	9.9
Benzo[a]pyrene	ND		0.099	9.9
Chrysene	ND		0.099	9.9
2-Methylnaphthalene	ND		0.099	9.9
Dibenz(a,h)anthracene	ND		0.099	9.9
Fluoranthene	ND		0.099	9.9
Fluorene	ND		0.099	9.9
Indeno[1,2,3-cd]pyrene	ND		0.099	9.9
Naphthalene	ND		0.099	9.9
Phenanthrene	ND		0.099	9.9
Pyrene	ND		0.099	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	43		28 - 110
2-Fluorophenol (Surr)	53		10 - 110
2,4,6-Tribromophenol (Surr)	50		22 - 120
Nitrobenzene-d5 (Surr)	42		27 - 111
Phenol-d5 (Surr)	51		10 - 110
Terphenyl-d14 (Surr)	53		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090212.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1536			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1536			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090213.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1609			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1609			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090214.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1642			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1642			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14168	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF090215.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1716			Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1716			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-13725	Initial Weight/Volume:	700 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/01/2011 1845			Injection Volume:	1 mL
Prep Date:	08/30/2011 0847			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	*	0.063	0.29
Aroclor-1221	ND		0.064	0.29
Aroclor-1232	ND		0.10	0.29
Aroclor-1242	ND		0.086	0.29
Aroclor-1248	ND		0.087	0.29
Aroclor-1254	ND		0.046	0.29
Aroclor-1260	ND		0.054	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	52		35 - 137
DCB Decachlorobiphenyl	11		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14650	Initial Weight/Volume:	910 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/09/2011 0801			Injection Volume:	1 mL
Prep Date:	09/08/2011 1035			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.048	0.22
Aroclor-1221	ND	H	0.049	0.22
Aroclor-1232	ND	H	0.080	0.22
Aroclor-1242	ND	H	0.066	0.22
Aroclor-1248	ND	H	0.067	0.22
Aroclor-1254	ND	H	0.035	0.22
Aroclor-1260	ND	H	0.042	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		35 - 137
DCB Decachlorobiphenyl	10		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-13725	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/01/2011 1900			Injection Volume:	1 mL
Prep Date:	08/30/2011 0847			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	*	0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	53		35 - 137
DCB Decachlorobiphenyl	12		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14650	Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/09/2011 0816			Injection Volume:	1 mL
Prep Date:	09/08/2011 1035			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.045	0.20
Aroclor-1221	ND	H	0.046	0.20
Aroclor-1232	ND	H	0.074	0.20
Aroclor-1242	ND	H	0.061	0.20
Aroclor-1248	ND	H	0.062	0.20
Aroclor-1254	ND	H	0.033	0.20
Aroclor-1260	ND	H	0.039	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		35 - 137
DCB Decachlorobiphenyl	11		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-13725	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/01/2011 1915			Injection Volume:	1 mL
Prep Date:	08/30/2011 0847			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	*	0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57		35 - 137
DCB Decachlorobiphenyl	45		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14650	Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/09/2011 0831			Injection Volume:	1 mL
Prep Date:	09/08/2011 1035			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.045	0.21
Aroclor-1221	ND	H	0.046	0.21
Aroclor-1232	ND	H	0.075	0.21
Aroclor-1242	ND	H	0.062	0.21
Aroclor-1248	ND	H	0.063	0.21
Aroclor-1254	ND	H	0.033	0.21
Aroclor-1260	ND	H	0.039	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		35 - 137
DCB Decachlorobiphenyl	70		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-13725	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/01/2011 1930			Injection Volume:	1 mL
Prep Date:	08/30/2011 0847			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	*	0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		35 - 137
DCB Decachlorobiphenyl	38		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14650	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/09/2011 0846			Injection Volume:	1 mL
Prep Date:	09/08/2011 1035			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.044	0.20
Aroclor-1221	ND	H	0.045	0.20
Aroclor-1232	ND	H	0.073	0.20
Aroclor-1242	ND	H	0.060	0.20
Aroclor-1248	ND	H	0.061	0.20
Aroclor-1254	ND	H	0.032	0.20
Aroclor-1260	ND	H	0.038	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		35 - 137
DCB Decachlorobiphenyl	16		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15494	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-13721	Lab File ID:	P6B91512.D
Dilution:	1.0			Initial Weight/Volume:	930 mL
Analysis Date:	09/15/2011 1738			Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.38	B	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15494	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-13721	Lab File ID:	P6B91513.D
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	09/15/2011 1817			Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.41	B	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15494	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-13721	Lab File ID:	P6B91514.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/15/2011 1856			Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.27	B	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15494	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-13721	Lab File ID:	P6B91515.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/15/2011 1935			Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.41	B	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-128_5-10(20110825)**

Lab Sample ID: 240-3303-1 Date Sampled: 08/25/2011 1605
Client Matrix: Water Date Received: 08/27/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 0945			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	250	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	23		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1207			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-129_4.5-9.5(20110826)**

Lab Sample ID: 240-3303-3 Date Sampled: 08/26/2011 0930
Client Matrix: Water Date Received: 08/27/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1019			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	190	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1209			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **ASB-130_0-5(20110826)**

Lab Sample ID: 240-3303-4 Date Sampled: 08/26/2011 1130
Client Matrix: Water Date Received: 08/27/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1036			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	180	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1210			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Client Sample ID: **DUP-001**

Lab Sample ID: 240-3303-5FD Date Sampled: 08/26/2011 0000
Client Matrix: Water Date Received: 08/27/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14183	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1041			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	180	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1211			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-14331					
LCS 240-14331/4	Lab Control Sample	T	Water	8260B	
MB 240-14331/5	Method Blank	T	Water	8260B	
240-3264-B-1 MS	Matrix Spike	T	Water	8260B	
240-3264-B-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-3303-1	ASB-128_5-10(20110825)	T	Water	8260B	
240-3303-2TB	TB-003(20110825)	T	Water	8260B	
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	8260B	
240-3303-4	ASB-130_0-5(20110826)	T	Water	8260B	
240-3303-5FD	DUP-001	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-13717					
LCS 240-13717/2-A	Lab Control Sample	T	Water	3520C	
MB 240-13717/1-A	Method Blank	T	Water	3520C	
240-3303-1	ASB-128_5-10(20110825)	T	Water	3520C	
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	3520C	
240-3303-4	ASB-130_0-5(20110826)	T	Water	3520C	
240-3303-5FD	DUP-001	T	Water	3520C	
Analysis Batch:240-14003					
LCS 240-13717/2-A	Lab Control Sample	T	Water	8270C	240-13717
MB 240-13717/1-A	Method Blank	T	Water	8270C	240-13717
240-3303-1	ASB-128_5-10(20110825)	T	Water	8270C	240-13717
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	8270C	240-13717
240-3303-4	ASB-130_0-5(20110826)	T	Water	8270C	240-13717
240-3303-5FD	DUP-001	T	Water	8270C	240-13717

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-14168					
LCS 240-14168/7	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-14168/17	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-14168/6	Method Blank	T	Water	WI-GRO	
240-3303-1	ASB-128_5-10(20110825)	T	Water	WI-GRO	
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	WI-GRO	
240-3303-4	ASB-130_0-5(20110826)	T	Water	WI-GRO	
240-3303-5FD	DUP-001	T	Water	WI-GRO	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-13721					
LCS 240-13721/2-A	Lab Control Sample	T	Water	3510C	
LCSD 240-13721/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-13721/1-A	Method Blank	T	Water	3510C	
240-3303-1	ASB-128_5-10(20110825)	T	Water	3510C	
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	3510C	
240-3303-4	ASB-130_0-5(20110826)	T	Water	3510C	
240-3303-5FD	DUP-001	T	Water	3510C	
Prep Batch: 240-13725					
LCS 240-13725/2-A	Lab Control Sample	T	Water	3510C	
MB 240-13725/1-A	Method Blank	T	Water	3510C	
240-3303-1	ASB-128_5-10(20110825)	T	Water	3510C	
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	3510C	
240-3303-4	ASB-130_0-5(20110826)	T	Water	3510C	
240-3303-5FD	DUP-001	T	Water	3510C	
Analysis Batch:240-14095					
MB 240-13725/1-A	Method Blank	T	Water	8082	240-13725
240-3303-1	ASB-128_5-10(20110825)	T	Water	8082	240-13725
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	8082	240-13725
240-3303-4	ASB-130_0-5(20110826)	T	Water	8082	240-13725
240-3303-5FD	DUP-001	T	Water	8082	240-13725
Analysis Batch:240-14388					
LCS 240-13725/2-A	Lab Control Sample	T	Water	8082	240-13725
Prep Batch: 240-14650					
LCS 240-14650/2-A	Lab Control Sample	T	Water	3510C	
MB 240-14650/1-A	Method Blank	T	Water	3510C	
240-3303-1	ASB-128_5-10(20110825)	T	Water	3510C	
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	3510C	
240-3303-4	ASB-130_0-5(20110826)	T	Water	3510C	
240-3303-5FD	DUP-001	T	Water	3510C	
Analysis Batch:240-14744					
LCS 240-14650/2-A	Lab Control Sample	T	Water	8082	240-14650
MB 240-14650/1-A	Method Blank	T	Water	8082	240-14650
240-3303-1	ASB-128_5-10(20110825)	T	Water	8082	240-14650
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	8082	240-14650
240-3303-4	ASB-130_0-5(20110826)	T	Water	8082	240-14650
240-3303-5FD	DUP-001	T	Water	8082	240-14650
Analysis Batch:240-14766					
LCS 240-13721/2-A	Lab Control Sample	T	Water	WI-DRO	240-13721

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-15494					
LCSD 240-13721/3-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-13721
MB 240-13721/1-A	Method Blank	T	Water	WI-DRO	240-13721
240-3303-1	ASB-128_5-10(20110825)	T	Water	WI-DRO	240-13721
240-3303-3	ASB-129_4.5-9.5(20110826)	T	Water	WI-DRO	240-13721
240-3303-4	ASB-130_0-5(20110826)	T	Water	WI-DRO	240-13721
240-3303-5FD	DUP-001	T	Water	WI-DRO	240-13721

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-13851					
LCS 240-13851/2-A	Lab Control Sample	R	Water	3005A	
MB 240-13851/1-A	Method Blank	R	Water	3005A	
240-3303-1	ASB-128_5-10(20110825)	D	Water	3005A	
240-3303-1MS	Matrix Spike	D	Water	3005A	
240-3303-1MSD	Matrix Spike Duplicate	D	Water	3005A	
240-3303-3	ASB-129_4.5-9.5(20110826)	D	Water	3005A	
240-3303-4	ASB-130_0-5(20110826)	D	Water	3005A	
240-3303-5FD	DUP-001	D	Water	3005A	
Prep Batch: 240-13867					
LCS 240-13867/2-A	Lab Control Sample	T	Water	7470A	
MB 240-13867/1-A	Method Blank	T	Water	7470A	
240-3264-F-1-B MS	Matrix Spike	D	Water	7470A	
240-3264-F-1-C MSD	Matrix Spike Duplicate	D	Water	7470A	
240-3303-1	ASB-128_5-10(20110825)	D	Water	7470A	
240-3303-3	ASB-129_4.5-9.5(20110826)	D	Water	7470A	
240-3303-4	ASB-130_0-5(20110826)	D	Water	7470A	
240-3303-5FD	DUP-001	D	Water	7470A	
Analysis Batch:240-14183					
LCS 240-13851/2-A	Lab Control Sample	R	Water	6010B	240-13851
MB 240-13851/1-A	Method Blank	R	Water	6010B	240-13851
240-3303-1	ASB-128_5-10(20110825)	D	Water	6010B	240-13851
240-3303-1MS	Matrix Spike	D	Water	6010B	240-13851
240-3303-1MSD	Matrix Spike Duplicate	D	Water	6010B	240-13851
240-3303-3	ASB-129_4.5-9.5(20110826)	D	Water	6010B	240-13851
240-3303-4	ASB-130_0-5(20110826)	D	Water	6010B	240-13851
240-3303-5FD	DUP-001	D	Water	6010B	240-13851
Analysis Batch:240-14463					
LCS 240-13867/2-A	Lab Control Sample	T	Water	7470A	240-13867
MB 240-13867/1-A	Method Blank	T	Water	7470A	240-13867
240-3264-F-1-B MS	Matrix Spike	D	Water	7470A	240-13867
240-3264-F-1-C MSD	Matrix Spike Duplicate	D	Water	7470A	240-13867
240-3303-1	ASB-128_5-10(20110825)	D	Water	7470A	240-13867
240-3303-3	ASB-129_4.5-9.5(20110826)	D	Water	7470A	240-13867
240-3303-4	ASB-130_0-5(20110826)	D	Water	7470A	240-13867
240-3303-5FD	DUP-001	D	Water	7470A	240-13867

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-3303-1	ASB-128_5-10(20110825)	105	102	106	108
240-3303-2	TB-003(20110825)	104	100	107	106
240-3303-3	ASB-129_4.5-9.5(20110826)	104	97	104	112
240-3303-4	ASB-130_0-5(20110826)	105	102	104	106
240-3303-5	DUP-001	104	99	104	106
MB 240-14331/5		102	100	110	111
LCS 240-14331/4		110	113	107	106
240-3264-B-1 MS		100	109	107	108
240-3264-B-1 MSD		99	113	106	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3303-1	ASB-128_5-10(20110825)	44	52	58	59	51	37
240-3303-3	ASB-129_4.5-9.5(20110826)	46	51	57	40	48	39
240-3303-4	ASB-130_0-5(20110826)	51	54	62	53	51	68
240-3303-5	DUP-001	43	53	50	42	51	53
MB 240-13717/1-A		59	60	40	60	59	71
LCS 240-13717/2-A		68	69	65	70	72	82

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-3303-1	ASB-128_5-10(20110825)	52		11	
240-3303-1	ASB-128_5-10(20110825)		72		10
240-3303-3	ASB-129_4.5-9.5(20110826)	53		12	
240-3303-3	ASB-129_4.5-9.5(20110826)	61		11	
240-3303-4	ASB-130_0-5(20110826)	57		45	
240-3303-4	ASB-130_0-5(20110826)		81		70
240-3303-5	DUP-001	61		38	
240-3303-5	DUP-001		74		16
MB 240-13725/1-A		61		62	
MB 240-14650/1-A			82		73
LCS 240-13725/2-A		68		73	
LCS 240-14650/2-A			69		71

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14331/5	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1534	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1534				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14331/5	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1534	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1534				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	2.0
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	0.544	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	63 - 129
4-Bromofluorobenzene (Surr)	100	66 - 117
Toluene-d8 (Surr)	110	74 - 115
Dibromofluoromethane (Surr)	111	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Lab Control Sample - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14331/4	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1511	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1511				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.66	97	72 - 116	
1,1,1-Trichloroethane	10.0	10.2	102	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	8.91	89	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.4	104	74 - 151	
1,1,2-Trichloroethane	10.0	9.21	92	80 - 112	
1,1-Dichloroethane	10.0	9.51	95	82 - 115	
1,1-Dichloroethene	10.0	10.4	104	78 - 131	
1,1-Dichloropropene	10.0	9.49	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.36	94	54 - 126	
1,2,3-Trichloropropane	10.0	8.71	87	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.06	91	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.75	98	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	8.57	86	42 - 136	
1,2-Dichlorobenzene	10.0	10.0	100	81 - 110	
1,2-Dichloroethane	10.0	9.27	93	71 - 127	
1,2-Dichloropropane	10.0	9.78	98	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.30	93	72 - 118	
1,3-Dichlorobenzene	10.0	9.44	94	80 - 110	
1,3-Dichloropropane	10.0	9.70	97	79 - 116	
1,4-Dichlorobenzene	10.0	9.77	98	82 - 110	
2,2-Dichloropropane	10.0	10.1	101	50 - 129	
2-Chlorotoluene	10.0	9.28	93	76 - 116	
2-Hexanone	20.0	19.4	97	55 - 133	
Bromobenzene	10.0	9.03	90	76 - 115	
Bromochloromethane	10.0	10.4	104	77 - 120	
4-Chlorotoluene	10.0	9.19	92	77 - 115	
p-Isopropyltoluene	10.0	10.2	102	74 - 120	
Acetone	20.0	17.1	86	43 - 136	
Benzene	10.0	9.42	94	83 - 112	
Bromoform	10.0	9.36	94	40 - 131	
Bromomethane	10.0	9.06	91	11 - 185	
Carbon disulfide	10.0	9.74	97	62 - 142	
Carbon tetrachloride	10.0	10.1	101	66 - 128	
Chlorobenzene	10.0	9.59	96	85 - 110	
Chloroethane	10.0	8.37	84	25 - 153	
Chloroform	10.0	9.95	100	79 - 117	
Chloromethane	10.0	8.77	88	44 - 126	
cis-1,2-Dichloroethene	10.0	9.36	94	80 - 113	
cis-1,3-Dichloropropene	10.0	9.61	96	61 - 115	
Cyclohexane	10.0	9.12	91	54 - 121	
Hexachlorobutadiene	10.0	8.34	83	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Lab Control Sample - Batch: 240-14331

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14331/4	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1511	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1511				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.62	96	81 - 120	
Bromodichloromethane	10.0	9.91	99	72 - 121	
Dichlorodifluoromethane	10.0	7.56	76	19 - 129	
Ethyl ether	10.0	9.59	96	53 - 135	
Ethylbenzene	10.0	9.76	98	83 - 112	
1,2-Dibromoethane	10.0	9.71	97	79 - 113	
Naphthalene	10.0	8.08	81	32 - 141	
m-Xylene & p-Xylene	20.0	19.4	97	83 - 113	
n-Butylbenzene	10.0	10.0	100	66 - 125	
Isopropylbenzene	10.0	9.75	98	75 - 114	
Methyl acetate	10.0	8.82	88	58 - 131	J
N-Propylbenzene	10.0	9.30	93	74 - 121	
2-Butanone (MEK)	20.0	17.5	88	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	19.1	96	63 - 128	
sec-Butylbenzene	10.0	9.33	93	70 - 117	
Methyl tert butyl ether	10.0	10.1	101	52 - 144	
Methylene Chloride	10.0	9.97	100	66 - 131	
o-Xylene	10.0	9.76	98	83 - 113	
Styrene	10.0	9.79	98	79 - 114	
tert-Butylbenzene	10.0	9.38	94	71 - 115	
Tetrachloroethene	10.0	9.74	97	79 - 114	
Tetrahydrofuran	10.0	9.43	94	23 - 143	
Toluene	10.0	9.60	96	84 - 111	
trans-1,2-Dichloroethene	10.0	10.1	101	83 - 117	
trans-1,3-Dichloropropene	10.0	9.80	98	58 - 117	
Trichloroethene	10.0	9.71	97	76 - 117	
Trichlorofluoromethane	10.0	9.79	98	49 - 157	
Vinyl chloride	10.0	8.91	89	53 - 127	
Methylcyclohexane	10.0	9.67	97	56 - 127	
Chlorodibromomethane	10.0	9.67	97	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	63 - 129
4-Bromofluorobenzene (Surr)	113	66 - 117
Toluene-d8 (Surr)	107	74 - 115
Dibromofluoromethane (Surr)	106	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3264-B-1 MS	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9381.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1812			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-B-1 MSD	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9382.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1835			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1835				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	92	93	64 - 118	2	30		
1,1,1-Trichloroethane	99	98	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	91	91	63 - 122	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	94	70 - 152	16	30		
1,1,2-Trichloroethane	97	92	75 - 115	5	30		
1,1-Dichloroethane	96	96	79 - 116	0	30		
1,1-Dichloroethene	101	99	74 - 135	3	30		
1,1-Dichloropropene	94	90	80 - 114	5	30		
1,2,3-Trichlorobenzene	82	82	45 - 129	0	30		
1,2,3-Trichloropropane	78	85	67 - 132	9	30		
1,2,4-Trichlorobenzene	81	84	38 - 138	4	30		
1,2,4-Trimethylbenzene	90	93	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	86	78	32 - 139	10	30		
1,2-Dichlorobenzene	93	97	75 - 111	4	30		
1,2-Dichloroethane	98	100	68 - 129	2	30		
1,2-Dichloropropane	94	95	78 - 115	1	30		
1,3,5-Trimethylbenzene	82	85	63 - 121	4	30		
1,3-Dichlorobenzene	91	91	73 - 110	0	30		
1,3-Dichloropropane	96	93	74 - 118	4	30		
1,4-Dichlorobenzene	88	92	75 - 110	4	30		
2,2-Dichloropropane	98	99	38 - 127	1	30		
2-Chlorotoluene	85	87	69 - 117	2	30		
2-Hexanone	102	104	47 - 139	2	30		
Bromobenzene	85	86	71 - 116	1	30		
Bromochloromethane	96	95	73 - 121	1	30		
4-Chlorotoluene	83	85	71 - 116	2	30		
p-Isopropyltoluene	95	98	64 - 122	3	30		
Acetone	128	126	33 - 145	2	30		
Benzene	97	92	72 - 121	1	30		
Bromoform	89	84	32 - 128	6	30		
Bromomethane	67	63	10 - 186	5	30		
Carbon disulfide	100	96	57 - 147	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3264-B-1 MS	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9381.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1812			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-B-1 MSD	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9382.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1835			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1835				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	96	93	59 - 129	3	30		
Chlorobenzene	94	96	80 - 110	2	30		
Chloroethane	82	78	21 - 165	4	30		
Chloroform	99	98	76 - 118	1	30		
Chloromethane	70	71	33 - 132	1	30		
cis-1,2-Dichloroethene	95	94	70 - 120	2	30		
cis-1,3-Dichloropropene	90	87	51 - 110	3	30		
Cyclohexane	87	80	49 - 123	3	30		
Hexachlorobutadiene	67	71	27 - 132	5	30		
Dibromomethane	94	97	77 - 121	3	30		
Bromodichloromethane	98	96	67 - 120	2	30		
Dichlorodifluoromethane	84	81	17 - 128	3	30		
Ethyl ether	98	100	63 - 136	2	30		
Ethylbenzene	95	94	75 - 116	1	30		
1,2-Dibromoethane	93	95	74 - 113	2	30		
Naphthalene	70	74	15 - 158	4	30		
m-Xylene & p-Xylene	94	96	75 - 117	2	30		
n-Butylbenzene	95	97	56 - 127	2	30		
Isopropylbenzene	99	101	68 - 116	2	30		
Methyl acetate	83	83	47 - 130	1	30	J	J
N-Propylbenzene	84	88	64 - 124	3	30		
2-Butanone (MEK)	97	94	54 - 129	3	30		
4-Methyl-2-pentanone (MIBK)	98	100	56 - 131	2	30		
sec-Butylbenzene	88	92	60 - 119	4	30		
Methyl tert butyl ether	96	98	46 - 144	2	30		
Methylene Chloride	97	94	63 - 128	3	30		
o-Xylene	100	97	76 - 116	3	30		
Styrene	96	99	71 - 117	3	30		
tert-Butylbenzene	88	90	61 - 119	2	30		
Tetrachloroethene	95	94	70 - 117	1	30		
Tetrahydrofuran	96	97	10 - 167	1	30		
Toluene	97	94	78 - 114	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14331

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3264-B-1 MS	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9381.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1812			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-B-1 MSD	Analysis Batch:	240-14331	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9382.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/04/2011 1835			Final Weight/Volume:	5 mL
Prep Date:	09/04/2011 1835				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	96	100	80 - 119	4	30		
trans-1,3-Dichloropropene	90	87	46 - 116	4	30		
Trichloroethene	94	91	66 - 120	3	30		
Trichlorofluoromethane	89	84	46 - 157	6	30		
Vinyl chloride	91	87	49 - 130	5	30		
Methylcyclohexane	100	92	49 - 127	6	30		
Chlorodibromomethane	94	90	56 - 118	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	99	63 - 129
4-Bromofluorobenzene (Surr)	109	113	66 - 117
Toluene-d8 (Surr)	107	106	74 - 115
Dibromofluoromethane (Surr)	108	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-13717

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-13717/1-A	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-13717	Lab File ID:	0901006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/01/2011 1108	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0830			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	59	28 - 110
2-Fluorophenol (Surr)	60	10 - 110
2,4,6-Tribromophenol (Surr)	40	22 - 120
Nitrobenzene-d5 (Surr)	60	27 - 111
Phenol-d5 (Surr)	59	10 - 110
Terphenyl-d14 (Surr)	71	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Lab Control Sample - Batch: 240-13717

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-13717/2-A	Analysis Batch:	240-14003	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-13717	Lab File ID:	0901007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/01/2011 1125	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0830			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	14.4	72	40 - 110	
Acenaphthylene	20.0	13.9	70	43 - 110	
Anthracene	20.0	14.5	73	54 - 114	
Benzo[a]anthracene	20.0	14.5	73	55 - 115	
Benzo[b]fluoranthene	20.0	14.5	73	43 - 122	
Benzo[k]fluoranthene	20.0	14.7	74	43 - 124	
Benzo[g,h,i]perylene	20.0	15.2	76	45 - 120	
Benzo[a]pyrene	20.0	12.5	63	43 - 116	
Chrysene	20.0	15.0	75	55 - 115	
2-Methylnaphthalene	20.0	14.5	73	35 - 110	
Dibenz(a,h)anthracene	20.0	14.5	72	46 - 122	
Fluoranthene	20.0	15.4	77	54 - 122	
Fluorene	20.0	14.4	72	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	14.6	73	46 - 121	
Naphthalene	20.0	15.1	76	31 - 110	
Phenanthrene	20.0	14.3	72	52 - 114	
Pyrene	20.0	14.7	74	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	28 - 110
2-Fluorophenol (Surr)	69	10 - 110
2,4,6-Tribromophenol (Surr)	65	22 - 120
Nitrobenzene-d5 (Surr)	70	27 - 111
Phenol-d5 (Surr)	72	10 - 110
Terphenyl-d14 (Surr)	82	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-14168

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-14168/6	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090206.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1216	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1216			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14168

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-14168/7	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090207.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1250	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1250			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14168/17	Analysis Batch:	240-14168	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF090216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/02/2011 1749	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/02/2011 1749			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	107	98	80 - 120	9	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-13725 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	MB 240-13725/1-A	Analysis Batch:	240-14095	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-13725	Lab File ID:	P1390116.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/01/2011 1815	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0847			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	61	35 - 137
DCB Decachlorobiphenyl	62	10 - 140

Lab Control Sample - Batch: 240-13725 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	LCS 240-13725/2-A	Analysis Batch:	240-14388	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-13725	Lab File ID:	P1390331.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1638	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	08/30/2011 0847			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.29	52	56 - 130	*
Aroclor-1260	2.50	1.40	56	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	68	35 - 137
DCB Decachlorobiphenyl	73	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-14650

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 240-14650/1-A	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14650	Lab File ID:	P1390915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0930	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/08/2011 1035			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	35 - 137
DCB Decachlorobiphenyl	73	10 - 140

Lab Control Sample - Batch: 240-14650

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 240-14650/2-A	Analysis Batch:	240-14744	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14650	Lab File ID:	P1390916.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 0945	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/08/2011 1035			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.83	73	56 - 130	
Aroclor-1260	2.50	2.02	81	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	35 - 137
DCB Decachlorobiphenyl	71	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-13721

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-13721/1-A	Analysis Batch:	240-15494	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-13721	Lab File ID:	P6B91511.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/15/2011 1658	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0345	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-13721

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-13721/2-A	Analysis Batch:	240-14766	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-13721	Lab File ID:	P6B90907.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/09/2011 1117	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-13721/3-A	Analysis Batch:	240-15494	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-13721	Lab File ID:	P6B91516.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/15/2011 2015	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	08/30/2011 0840			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	90	78	75 - 115	15	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-13851

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-13851/1-A	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 0934	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.918	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-13851

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-13851/2-A	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 0939	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2070	103	80 - 120	
Cadmium	50.0	52.2	104	80 - 120	
Chromium	200	202	101	80 - 120	
Silver	50.0	50.6	101	80 - 120	
Arsenic	2000	2020	101	80 - 120	
Lead	500	507	101	80 - 120	
Selenium	2000	2050	103	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13851

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-3303-1	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 0956			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3303-1	Analysis Batch:	240-14183	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-13851	Lab File ID:	I50901A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/01/2011 1002			Final Weight/Volume:	50 mL
Prep Date:	08/31/2011 0818				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	107	106	75 - 125	1	20		
Cadmium	106	106	75 - 125	1	20		
Chromium	104	103	75 - 125	1	20		
Silver	104	105	75 - 125	1	20		
Arsenic	105	104	75 - 125	0	20		
Lead	104	103	75 - 125	1	20		
Selenium	105	105	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3303-1

Method Blank - Batch: 240-13867

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-13867/1-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1146	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-13867

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-13867/2-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1149	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.56	91	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13867

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-3264-F-1-B MS	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1152			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3264-F-1-C MSD	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-13867	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1153			Final Weight/Volume:	100 mL
Prep Date:	08/31/2011 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	85	82	69 - 134	4	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3303-1

Login Number: 3303

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2/2.7/2.8/3.1/3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3396-1

Job Description: FORD TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/29/2011 4:42 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/29/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: FORD TCAP - E200572

Report Number: 240-3396-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/30/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.5 and 2.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MB-003(20110829) (240-3396-1), ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4) and ASB-138_2-4(20110829) (240-3396-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/06/2011.

Naphthalene was detected in method blank MB 240-14142/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Refer to the QC report for details.

Sample ASB-135_6-8(20110826) (240-3396-3)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14142 for these samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4), ASB-138_2-4(20110829) (240-3396-7).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4),

ASB-136_1-3(20110829) (240-3396-5) and ASB-137_2-4(20110829) (240-3396-6) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/06/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Samples ASB-135_2-4(20110826) (240-3396-2)[3X] and ASB-136_1-3(20110829) (240-3396-5)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-135_2-4(20110826) (240-3396-2), ASB-136_1-3(20110829) (240-3396-5). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4) and ASB-138_2-4(20110829) (240-3396-7) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/09/2011 and 09/12/2011.

Samples ASB-135_2-4(20110826) (240-3396-2)[10X], ASB-135_6-8(20110826) (240-3396-3)[10X] and ASB-135_8-9(20110826) (240-3396-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) Wisconsin GRO: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14601 for these samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4) and ASB-138_2-4(20110829) (240-3396-7).

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4), ASB-136_1-3(20110829) (240-3396-5), ASB-137_2-4(20110829) (240-3396-6) and ASB-138_2-4(20110829) (240-3396-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/09/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14012/16-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

Samples ASB-135_2-4(20110826) (240-3396-2)[5X] and ASB-136_1-3(20110829) (240-3396-5)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) Wisconsin DRO: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14012 for these samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4), ASB-136_1-3(20110829) (240-3396-5), ASB-137_2-4(20110829) (240-3396-6) and ASB-138_2-4(20110829) (240-3396-7).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-136_1-3(20110829) (240-3396-5), ASB-137_2-4(20110829) (240-3396-6) and ASB-138_2-4(20110829) (240-3396-7) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/02/2011.

Barium was detected in method blank MB 240-14055/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-136_1-3(20110829) (240-3396-5) and ASB-137_2-4(20110829) (240-3396-6) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/02/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-135_2-4(20110826) (240-3396-2), ASB-135_6-8(20110826) (240-3396-3), ASB-135_8-9(20110826) (240-3396-4), ASB-136_1-3(20110829) (240-3396-5), ASB-137_2-4(20110829) (240-3396-6) and ASB-138_2-4(20110829) (240-3396-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/01/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3396-2	**ASB-135_2-4(20110826)**					
1,2,4-Trimethylbenzene		33	J	240	ug/Kg	8260B
Carbon disulfide		44	J	240	ug/Kg	8260B
Ethylbenzene		36	J	240	ug/Kg	8260B
Isopropylbenzene		53	J	240	ug/Kg	8260B
Methyl acetate		130	J	470	ug/Kg	8260B
Methylcyclohexane		140	J	470	ug/Kg	8260B
m-Xylene & p-Xylene		35	J	470	ug/Kg	8260B
Naphthalene		150	J B	240	ug/Kg	8260B
n-Butylbenzene		520		240	ug/Kg	8260B
N-Propylbenzene		240		240	ug/Kg	8260B
sec-Butylbenzene		150	J	240	ug/Kg	8260B
Toluene		18	J	240	ug/Kg	8260B
2-Methylnaphthalene		43	J	920	ug/Kg	8270C
Anthracene		25	J	920	ug/Kg	8270C
Benzo[a]anthracene		32	J	920	ug/Kg	8270C
Benzo[a]pyrene		30	J	920	ug/Kg	8270C
Benzo[b]fluoranthene		33	J	920	ug/Kg	8270C
Benzo[g,h,i]perylene		29	J	920	ug/Kg	8270C
Benzo[k]fluoranthene		18	J	920	ug/Kg	8270C
Chrysene		38	J	920	ug/Kg	8270C
Fluoranthene		88	J	920	ug/Kg	8270C
Fluorene		13	J	920	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		32	J	920	ug/Kg	8270C
Naphthalene		42	J	920	ug/Kg	8270C
Phenanthrene		65	J	920	ug/Kg	8270C
Pyrene		73	J	920	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		170		120	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		100		44	mg/Kg	WI-DRO
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3396-3	**ASB-135_6-8(20110826)**					
Carbon disulfide		75	J	390	ug/Kg	8260B
Cyclohexane		610	J	790	ug/Kg	8260B
Isopropylbenzene		220	J	390	ug/Kg	8260B
Methyl acetate		310	J	790	ug/Kg	8260B
Methylcyclohexane		5600		790	ug/Kg	8260B
Naphthalene		170	J B	390	ug/Kg	8260B
n-Butylbenzene		540		390	ug/Kg	8260B
N-Propylbenzene		520		390	ug/Kg	8260B
sec-Butylbenzene		280	J	390	ug/Kg	8260B
2-Methylnaphthalene		230	J	430	ug/Kg	8270C
Chrysene		4.7	J	430	ug/Kg	8270C
Fluoranthene		8.8	J	430	ug/Kg	8270C
Naphthalene		140	J	430	ug/Kg	8270C
Phenanthrene		11	J	430	ug/Kg	8270C
Pyrene		7.9	J	430	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		450		130	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		23		11	mg/Kg	WI-DRO
Percent Solids		76		0.10	%	Moisture
Percent Moisture		24		0.10	%	Moisture
240-3396-4	**ASB-135_8-9(20110826)**					
Carbon disulfide		57	J	240	ug/Kg	8260B
Cyclohexane		240	J	480	ug/Kg	8260B
Isopropylbenzene		67	J	240	ug/Kg	8260B
Methyl acetate		88	J	480	ug/Kg	8260B
Methylcyclohexane		3000		480	ug/Kg	8260B
Naphthalene		17	J B	240	ug/Kg	8260B
n-Butylbenzene		170	J	240	ug/Kg	8260B
N-Propylbenzene		97	J	240	ug/Kg	8260B
sec-Butylbenzene		110	J	240	ug/Kg	8260B
2-Methylnaphthalene		35	J	380	ug/Kg	8270C
Benzo[a]pyrene		8.4	J	380	ug/Kg	8270C
Benzo[g,h,i]perylene		18	J	380	ug/Kg	8270C
Fluoranthene		21	J	380	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		12	J	380	ug/Kg	8270C
Naphthalene		19	J	380	ug/Kg	8270C
Phenanthrene		14	J	380	ug/Kg	8270C
Pyrene		20	J	380	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		280		110	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		32		9.6	mg/Kg	WI-DRO
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3396-5	**ASB-136_1-3(20110829)**					
2-Methylnaphthalene		190	J	7300	ug/Kg	8270C
Benzo[a]anthracene		130	J	7300	ug/Kg	8270C
Benzo[a]pyrene		140	J	7300	ug/Kg	8270C
Benzo[b]fluoranthene		200	J	7300	ug/Kg	8270C
Benzo[g,h,i]perylene		160	J	7300	ug/Kg	8270C
Benzo[k]fluoranthene		110	J	7300	ug/Kg	8270C
Chrysene		230	J	7300	ug/Kg	8270C
Fluoranthene		230	J	7300	ug/Kg	8270C
Naphthalene		94	J	7300	ug/Kg	8270C
Phenanthrene		270	J	7300	ug/Kg	8270C
Pyrene		210	J	7300	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		550		190	mg/Kg	WI-DRO
Barium		59	B	21	mg/Kg	6010B
Cadmium		0.46		0.21	mg/Kg	6010B
Chromium		7.7		0.53	mg/Kg	6010B
Arsenic		4.4		1.1	mg/Kg	6010B
Lead		47		0.32	mg/Kg	6010B
Mercury		0.065	J	0.10	mg/Kg	7471A
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.6		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3396-6	**ASB-137_2-4(20110829)**					
2-Methylnaphthalene		34	J	420	ug/Kg	8270C
Acenaphthylene		12	J	420	ug/Kg	8270C
Anthracene		17	J	420	ug/Kg	8270C
Benzo[a]anthracene		41	J	420	ug/Kg	8270C
Benzo[a]pyrene		44	J	420	ug/Kg	8270C
Benzo[b]fluoranthene		73	J	420	ug/Kg	8270C
Benzo[g,h,i]perylene		34	J	420	ug/Kg	8270C
Benzo[k]fluoranthene		25	J	420	ug/Kg	8270C
Chrysene		55	J	420	ug/Kg	8270C
Dibenz(a,h)anthracene		7.7	J	420	ug/Kg	8270C
Fluoranthene		80	J	420	ug/Kg	8270C
Fluorene		6.0	J	420	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		32	J	420	ug/Kg	8270C
Naphthalene		20	J	420	ug/Kg	8270C
Phenanthrene		72	J	420	ug/Kg	8270C
Pyrene		61	J	420	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		12		11	mg/Kg	WI-DRO
Barium		70	B	25	mg/Kg	6010B
Cadmium		0.18	J	0.25	mg/Kg	6010B
Chromium		12		0.62	mg/Kg	6010B
Arsenic		7.2		1.2	mg/Kg	6010B
Lead		14		0.37	mg/Kg	6010B
Mercury		0.061	J	0.11	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-3396-7	**ASB-138_2-4(20110829)**					
WI Diesel Range Organics (C10-C28)		6.3	J	11	mg/Kg	WI-DRO
Lead		2.1		0.36	mg/Kg	6010B
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
WI-GRO WI-GRO	Roach, Carolynne	CR
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3396-1TB	MB-003(20110829)	Solid	08/29/2011 0000	08/30/2011 0930
240-3396-2	ASB-135_2-4(20110826)	Solid	08/26/2011 1700	08/30/2011 0930
240-3396-3	ASB-135_6-8(20110826)	Solid	08/26/2011 1715	08/30/2011 0930
240-3396-4	ASB-135_8-9(20110826)	Solid	08/26/2011 1740	08/30/2011 0930
240-3396-5	ASB-136_1-3(20110829)	Solid	08/29/2011 0915	08/30/2011 0930
240-3396-6	ASB-137_2-4(20110829)	Solid	08/29/2011 1345	08/30/2011 0930
240-3396-7	ASB-138_2-4(20110829)	Solid	08/29/2011 1600	08/30/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **MB-003(20110829)**

Lab Sample ID: 240-3396-1TB Date Sampled: 08/29/2011 0000
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140663.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1348			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **MB-003(20110829)**

Lab Sample ID: 240-3396-1TB Date Sampled: 08/29/2011 0000
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140663.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1348			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		39 - 128
4-Bromofluorobenzene (Surr)	104		26 - 141
Dibromofluoromethane (Surr)	86		30 - 122
Toluene-d8 (Surr)	104		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_2-4(20110826)**

Lab Sample ID: 240-3396-2 Date Sampled: 08/26/2011 1700
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140665.D
Dilution:	1.0			Initial Weight/Volume:	26.57 g
Analysis Date:	09/06/2011 1431			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.6	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.4	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		37	240
1,1,2-Trichloroethane		ND		11	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.4	240
1,2,3-Trichlorobenzene		ND		9.4	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		6.9	240
1,2,4-Trimethylbenzene		33	J	4.7	240
1,2-Dibromo-3-Chloropropane		ND		47	470
1,2-Dibromoethane		ND		9.4	240
1,2-Dichlorobenzene		ND		8.1	240
1,2-Dichloroethane		ND		9.4	240
1,2-Dichloropropane		ND		7.7	240
1,3,5-Trimethylbenzene		ND		5.5	240
1,3-Dichlorobenzene		ND		4.5	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.5	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		40	940
2-Chlorotoluene		ND		8.5	240
2-Hexanone		ND		19	940
Allyl chloride		ND		50	470
4-Chlorotoluene		ND		9.3	240
4-Methyl-2-pentanone (MIBK)		ND		45	940
Acetone		ND		160	940
Benzene		ND		11	240
Bromobenzene		ND		12	240
Bromochloromethane		ND		12	240
Bromodichloromethane		ND		9.3	240
Bromoform		ND		18	240
Bromomethane		ND		27	240
Carbon disulfide		44	J	11	240
Carbon tetrachloride		ND		6.0	240
Chlorobenzene		ND		6.0	240
Chloroethane		ND		57	240
Chloroform		ND		8.3	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.5	240
cis-1,3-Dichloropropene		ND		7.4	240
Cyclohexane		ND		38	470
Chlorodibromomethane		ND		11	240
Dibromomethane		ND		13	240

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_2-4(20110826)**

Lab Sample ID: 240-3396-2 Date Sampled: 08/26/2011 1700
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140665.D
Dilution:	1.0			Initial Weight/Volume:	26.57 g
Analysis Date:	09/06/2011 1431			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	240
Dichlorofluoromethane		ND		24	470
Ethyl ether		ND		14	470
Ethylbenzene		36	J	5.1	240
Hexachlorobutadiene		ND		13	240
Isopropylbenzene		53	J	6.1	240
Methyl acetate		130	J	24	470
Methyl tert butyl ether		ND		6.7	940
Methylcyclohexane		140	J	11	470
Methylene Chloride		ND		72	240
m-Xylene & p-Xylene		35	J	5.8	470
Naphthalene		150	J B	6.3	240
n-Butylbenzene		520		7.5	240
N-Propylbenzene		240		13	240
o-Xylene		ND		8.0	240
p-Isopropyltoluene		ND		4.5	240
sec-Butylbenzene		150	J	4.4	240
Styrene		ND		5.3	240
tert-Butylbenzene		ND		6.1	240
Tetrachloroethene		ND		11	240
Tetrahydrofuran		ND		46	940
Toluene		18	J	16	240
trans-1,2-Dichloroethene		ND		8.7	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.1	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND		17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		39 - 128
4-Bromofluorobenzene (Surr)	98		26 - 141
Dibromofluoromethane (Surr)	81		30 - 122
Toluene-d8 (Surr)	96		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_6-8(20110826)**

Lab Sample ID: 240-3396-3 Date Sampled: 08/26/2011 1715
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140667.D
Dilution:	1.667			Initial Weight/Volume:	26.45 g
Analysis Date:	09/06/2011 1514			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		14	390
1,1,1-Trichloroethane		ND		33	390
1,1,2,2-Tetrachloroethane		ND		14	390
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		61	390
1,1,2-Trichloroethane		ND		19	390
1,1-Dichloroethane		ND		27	390
1,1-Dichloroethene		ND		28	390
1,1-Dichloropropene		ND		16	390
1,2,3-Trichlorobenzene		ND		16	390
1,2,3-Trichloropropane		ND		33	390
1,2,4-Trichlorobenzene		ND		12	390
1,2,4-Trimethylbenzene		ND		7.9	390
1,2-Dibromo-3-Chloropropane		ND		79	790
1,2-Dibromoethane		ND		16	390
1,2-Dichlorobenzene		ND		14	390
1,2-Dichloroethane		ND		16	390
1,2-Dichloropropane		ND		13	390
1,3,5-Trimethylbenzene		ND		9.1	390
1,3-Dichlorobenzene		ND		7.6	390
1,3-Dichloropropane		ND		35	390
1,4-Dichlorobenzene		ND		13	390
2,2-Dichloropropane		ND		36	390
2-Butanone (MEK)		ND		68	1600
2-Chlorotoluene		ND		14	390
2-Hexanone		ND		32	1600
Allyl chloride		ND		84	790
4-Chlorotoluene		ND		16	390
4-Methyl-2-pentanone (MIBK)		ND		76	1600
Acetone		ND		270	1600
Benzene		ND		19	390
Bromobenzene		ND		20	390
Bromochloromethane		ND		20	390
Bromodichloromethane		ND		16	390
Bromoform		ND		30	390
Bromomethane		ND		46	390
Carbon disulfide		75	J	19	390
Carbon tetrachloride		ND		10	390
Chlorobenzene		ND		10	390
Chloroethane		ND		96	390
Chloroform		ND		14	390
Chloromethane		ND		22	390
cis-1,2-Dichloroethene		ND		11	390
cis-1,3-Dichloropropene		ND		12	390
Cyclohexane		610	J	63	790
Chlorodibromomethane		ND		19	390
Dibromomethane		ND		22	390

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_6-8(20110826)**

Lab Sample ID: 240-3396-3 Date Sampled: 08/26/2011 1715
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140667.D
Dilution:	1.667			Initial Weight/Volume:	26.45 g
Analysis Date:	09/06/2011 1514			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		25	390
Dichlorofluoromethane		ND		39	790
Ethyl ether		ND		24	790
Ethylbenzene		ND		8.5	390
Hexachlorobutadiene		ND		22	390
Isopropylbenzene		220	J	10	390
Methyl acetate		310	J	39	790
Methyl tert butyl ether		ND		11	1600
Methylcyclohexane		5600		19	790
Methylene Chloride		ND		120	390
m-Xylene & p-Xylene		ND		9.8	790
Naphthalene		170	J B	11	390
n-Butylbenzene		540		13	390
N-Propylbenzene		520		22	390
o-Xylene		ND		13	390
p-Isopropyltoluene		ND		7.6	390
sec-Butylbenzene		280	J	7.4	390
Styrene		ND		8.8	390
tert-Butylbenzene		ND		10	390
Tetrachloroethene		ND		19	390
Tetrahydrofuran		ND		77	1600
Toluene		ND		27	390
trans-1,2-Dichloroethene		ND		14	390
trans-1,3-Dichloropropene		ND		32	390
Trichloroethene		ND		15	390
Trichlorofluoromethane		ND		25	390
Vinyl chloride		ND		28	390

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		39 - 128
4-Bromofluorobenzene (Surr)	88		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	90		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_8-9(20110826)**

Lab Sample ID: 240-3396-4 Date Sampled: 08/26/2011 1740
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140666.D
Dilution:	1.0			Initial Weight/Volume:	26.12 g
Analysis Date:	09/06/2011 1452			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.7	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.5	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		37	240
1,1,2-Trichloroethane		ND		11	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.6	240
1,2,3-Trichlorobenzene		ND		9.6	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		7.0	240
1,2,4-Trimethylbenzene		ND		4.8	240
1,2-Dibromo-3-Chloropropane		ND		48	480
1,2-Dibromoethane		ND		9.6	240
1,2-Dichlorobenzene		ND		8.2	240
1,2-Dichloroethane		ND		9.6	240
1,2-Dichloropropane		ND		7.8	240
1,3,5-Trimethylbenzene		ND		5.6	240
1,3-Dichlorobenzene		ND		4.6	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.7	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		41	960
2-Chlorotoluene		ND		8.6	240
2-Hexanone		ND		19	960
Allyl chloride		ND		51	480
4-Chlorotoluene		ND		9.5	240
4-Methyl-2-pentanone (MIBK)		ND		46	960
Acetone		ND		160	960
Benzene		ND		11	240
Bromobenzene		ND		12	240
Bromochloromethane		ND		12	240
Bromodichloromethane		ND		9.5	240
Bromoform		ND		18	240
Bromomethane		ND		28	240
Carbon disulfide		57	J	11	240
Carbon tetrachloride		ND		6.1	240
Chlorobenzene		ND		6.1	240
Chloroethane		ND		58	240
Chloroform		ND		8.4	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.6	240
cis-1,3-Dichloropropene		ND		7.6	240
Cyclohexane		240	J	38	480
Chlorodibromomethane		ND		11	240
Dibromomethane		ND		13	240

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_8-9(20110826)**

Lab Sample ID: 240-3396-4 Date Sampled: 08/26/2011 1740
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140666.D
Dilution:	1.0			Initial Weight/Volume:	26.12 g
Analysis Date:	09/06/2011 1452			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	240
Dichlorofluoromethane		ND		24	480
Ethyl ether		ND		14	480
Ethylbenzene		ND		5.2	240
Hexachlorobutadiene		ND		13	240
Isopropylbenzene		67	J	6.2	240
Methyl acetate		88	J	24	480
Methyl tert butyl ether		ND		6.8	960
Methylcyclohexane		3000		11	480
Methylene Chloride		ND		74	240
m-Xylene & p-Xylene		ND		5.9	480
Naphthalene		17	J B	6.4	240
n-Butylbenzene		170	J	7.7	240
N-Propylbenzene		97	J	13	240
o-Xylene		ND		8.1	240
p-Isopropyltoluene		ND		4.6	240
sec-Butylbenzene		110	J	4.5	240
Styrene		ND		5.4	240
tert-Butylbenzene		ND		6.2	240
Tetrachloroethene		ND		11	240
Tetrahydrofuran		ND		47	960
Toluene		ND		16	240
trans-1,2-Dichloroethene		ND		8.8	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.3	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND		17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		39 - 128
4-Bromofluorobenzene (Surr)	90		26 - 141
Dibromofluoromethane (Surr)	70		30 - 122
Toluene-d8 (Surr)	90		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-138_2-4(20110829)**

Lab Sample ID: 240-3396-7 Date Sampled: 08/29/2011 1600
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140664.D
Dilution:	1.0			Initial Weight/Volume:	24.33 g
Analysis Date:	09/06/2011 1410			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.4	260
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.1	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	260
1,1,2-Trichloroethane		ND		12	260
1,1-Dichloroethane		ND		17	260
1,1-Dichloroethene		ND		18	260
1,1-Dichloropropene		ND		10	260
1,2,3-Trichlorobenzene		ND		10	260
1,2,3-Trichloropropane		ND		22	260
1,2,4-Trichlorobenzene		ND		7.5	260
1,2,4-Trimethylbenzene		ND		5.1	260
1,2-Dibromo-3-Chloropropane		ND		51	510
1,2-Dibromoethane		ND		10	260
1,2-Dichlorobenzene		ND		8.8	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.4	260
1,3,5-Trimethylbenzene		ND		6.0	260
1,3-Dichlorobenzene		ND		4.9	260
1,3-Dichloropropane		ND		23	260
1,4-Dichlorobenzene		ND		8.2	260
2,2-Dichloropropane		ND		24	260
2-Butanone (MEK)		ND		44	1000
2-Chlorotoluene		ND		9.2	260
2-Hexanone		ND		21	1000
Allyl chloride		ND		54	510
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		49	1000
Acetone		ND		170	1000
Benzene		ND		12	260
Bromobenzene		ND		13	260
Bromochloromethane		ND		13	260
Bromodichloromethane		ND		10	260
Bromoform		ND		20	260
Bromomethane		ND		30	260
Carbon disulfide		ND		12	260
Carbon tetrachloride		ND		6.6	260
Chlorobenzene		ND		6.6	260
Chloroethane		ND		63	260
Chloroform		ND		9.0	260
Chloromethane		ND		14	260
cis-1,2-Dichloroethene		ND		7.1	260
cis-1,3-Dichloropropene		ND		8.1	260
Cyclohexane		ND		41	510
Chlorodibromomethane		ND		12	260
Dibromomethane		ND		14	260

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-138_2-4(20110829)**

Lab Sample ID: 240-3396-7 Date Sampled: 08/29/2011 1600
Client Matrix: Solid Date Received: 08/30/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140664.D
Dilution:	1.0			Initial Weight/Volume:	24.33 g
Analysis Date:	09/06/2011 1410			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	260
Dichlorofluoromethane		ND		26	510
Ethyl ether		ND		15	510
Ethylbenzene		ND		5.5	260
Hexachlorobutadiene		ND		14	260
Isopropylbenzene		ND		6.7	260
Methyl acetate		ND		26	510
Methyl tert butyl ether		ND		7.3	1000
Methylcyclohexane		ND		12	510
Methylene Chloride		ND		79	260
m-Xylene & p-Xylene		ND		6.4	510
Naphthalene		ND		6.9	260
n-Butylbenzene		ND		8.2	260
N-Propylbenzene		ND		14	260
o-Xylene		ND		8.7	260
p-Isopropyltoluene		ND		4.9	260
sec-Butylbenzene		ND		4.8	260
Styrene		ND		5.8	260
tert-Butylbenzene		ND		6.7	260
Tetrachloroethene		ND		12	260
Tetrahydrofuran		ND		50	1000
Toluene		ND		17	260
trans-1,2-Dichloroethene		ND		9.5	260
trans-1,3-Dichloropropene		ND		21	260
Trichloroethene		ND		10	260
Trichlorofluoromethane		ND		16	260
Vinyl chloride		ND		18	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		39 - 128
4-Bromofluorobenzene (Surr)	89		26 - 141
Dibromofluoromethane (Surr)	76		30 - 122
Toluene-d8 (Surr)	90		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_2-4(20110826)**

Lab Sample ID: 240-3396-2 Date Sampled: 08/26/2011 1700
Client Matrix: Solid % Moisture: 10.0 Date Received: 08/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14033	Lab File ID:	0906027.D
Dilution:	2.5			Initial Weight/Volume:	30.03 g
Analysis Date:	09/06/2011 2145			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		43	J	9.2	920
Acenaphthene		ND		9.2	920
Acenaphthylene		ND		9.2	920
Anthracene		25	J	9.2	920
Benzo[a]anthracene		32	J	9.2	920
Benzo[a]pyrene		30	J	9.2	920
Benzo[b]fluoranthene		33	J	9.2	920
Benzo[g,h,i]perylene		29	J	9.2	920
Benzo[k]fluoranthene		18	J	9.2	920
Chrysene		38	J	3.1	920
Dibenz(a,h)anthracene		ND		9.2	920
Fluoranthene		88	J	9.2	920
Fluorene		13	J	9.2	920
Indeno[1,2,3-cd]pyrene		32	J	9.2	920
Naphthalene		42	J	9.2	920
Phenanthrene		65	J	9.2	920
Pyrene		73	J	9.2	920

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	40		10 - 118
2-Fluorobiphenyl (Surr)	50		34 - 110
2-Fluorophenol (Surr)	53		26 - 110
Nitrobenzene-d5 (Surr)	48		24 - 112
Phenol-d5 (Surr)	52		28 - 110
Terphenyl-d14 (Surr)	63		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_6-8(20110826)**

Lab Sample ID: 240-3396-3 Date Sampled: 08/26/2011 1715
Client Matrix: Solid % Moisture: 24.0 Date Received: 08/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14033	Lab File ID:	0906023.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/06/2011 2032			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		230	J	4.3	430
Acenaphthene		ND		4.3	430
Acenaphthylene		ND		4.3	430
Anthracene		ND		4.3	430
Benzo[a]anthracene		ND		4.3	430
Benzo[a]pyrene		ND		4.3	430
Benzo[b]fluoranthene		ND		4.3	430
Benzo[g,h,i]perylene		ND		4.3	430
Benzo[k]fluoranthene		ND		4.3	430
Chrysene		4.7	J	1.4	430
Dibenz(a,h)anthracene		ND		4.3	430
Fluoranthene		8.8	J	4.3	430
Fluorene		ND		4.3	430
Indeno[1,2,3-cd]pyrene		ND		4.3	430
Naphthalene		140	J	4.3	430
Phenanthrene		11	J	4.3	430
Pyrene		7.9	J	4.3	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	57		10 - 118
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
Nitrobenzene-d5 (Surr)	53		24 - 112
Phenol-d5 (Surr)	62		28 - 110
Terphenyl-d14 (Surr)	69		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_8-9(20110826)**

Lab Sample ID: 240-3396-4 Date Sampled: 08/26/2011 1740
Client Matrix: Solid % Moisture: 13.3 Date Received: 08/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14033	Lab File ID:	0906019.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/06/2011 1918			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		35	J	3.8	380
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Anthracene		ND		3.8	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		8.4	J	3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		18	J	3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Fluoranthene		21	J	3.8	380
Fluorene		ND		3.8	380
Indeno[1,2,3-cd]pyrene		12	J	3.8	380
Naphthalene		19	J	3.8	380
Phenanthrene		14	J	3.8	380
Pyrene		20	J	3.8	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	54		10 - 118
2-Fluorobiphenyl (Surr)	48		34 - 110
2-Fluorophenol (Surr)	51		26 - 110
Nitrobenzene-d5 (Surr)	49		24 - 112
Phenol-d5 (Surr)	55		28 - 110
Terphenyl-d14 (Surr)	65		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-136_1-3(20110829)**

Lab Sample ID: 240-3396-5 Date Sampled: 08/29/2011 0915
Client Matrix: Solid % Moisture: 9.6 Date Received: 08/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14033	Lab File ID:	0906028.D
Dilution:	20			Initial Weight/Volume:	30.02 g
Analysis Date:	09/06/2011 2203			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		190	J	73	7300
Acenaphthene		ND		73	7300
Acenaphthylene		ND		73	7300
Anthracene		ND		73	7300
Benzo[a]anthracene		130	J	73	7300
Benzo[a]pyrene		140	J	73	7300
Benzo[b]fluoranthene		200	J	73	7300
Benzo[g,h,i]perylene		160	J	73	7300
Benzo[k]fluoranthene		110	J	73	7300
Chrysene		230	J	24	7300
Dibenz(a,h)anthracene		ND		73	7300
Fluoranthene		230	J	73	7300
Fluorene		ND		73	7300
Indeno[1,2,3-cd]pyrene		ND		73	7300
Naphthalene		94	J	73	7300
Phenanthrene		270	J	73	7300
Pyrene		210	J	73	7300

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43		10 - 118
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	46		26 - 110
Nitrobenzene-d5 (Surr)	44		24 - 112
Phenol-d5 (Surr)	44		28 - 110
Terphenyl-d14 (Surr)	74		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-137_2-4(20110829)**

Lab Sample ID: 240-3396-6 Date Sampled: 08/29/2011 1345
Client Matrix: Solid % Moisture: 21.1 Date Received: 08/30/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14033	Lab File ID:	0906022.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	09/06/2011 2013			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		34	J	4.2	420
Acenaphthene		ND		4.2	420
Acenaphthylene		12	J	4.2	420
Anthracene		17	J	4.2	420
Benzo[a]anthracene		41	J	4.2	420
Benzo[a]pyrene		44	J	4.2	420
Benzo[b]fluoranthene		73	J	4.2	420
Benzo[g,h,i]perylene		34	J	4.2	420
Benzo[k]fluoranthene		25	J	4.2	420
Chrysene		55	J	1.4	420
Dibenz(a,h)anthracene		7.7	J	4.2	420
Fluoranthene		80	J	4.2	420
Fluorene		6.0	J	4.2	420
Indeno[1,2,3-cd]pyrene		32	J	4.2	420
Naphthalene		20	J	4.2	420
Phenanthrene		72	J	4.2	420
Pyrene		61	J	4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	49		10 - 118
2-Fluorobiphenyl (Surr)	50		34 - 110
2-Fluorophenol (Surr)	53		26 - 110
Nitrobenzene-d5 (Surr)	45		24 - 112
Phenol-d5 (Surr)	56		28 - 110
Terphenyl-d14 (Surr)	72		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_2-4(20110826)**

Lab Sample ID: 240-3396-2 Date Sampled: 08/26/2011 1700
Client Matrix: Solid % Moisture: 10.0 Date Received: 08/30/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090907.D
Dilution:	10			Initial Weight/Volume:	22.71 g
Analysis Date:	09/09/2011 1334			Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		170		3.9	120

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_6-8(20110826)**

Lab Sample ID: 240-3396-3 Date Sampled: 08/26/2011 1715
Client Matrix: Solid % Moisture: 24.0 Date Received: 08/30/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090908.D
Dilution:	10			Initial Weight/Volume:	26.55 g
Analysis Date:	09/09/2011 1413			Final Weight/Volume:	26.6 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		450		4.2	130

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_8-9(20110826)**

Lab Sample ID: 240-3396-4 Date Sampled: 08/26/2011 1740
Client Matrix: Solid % Moisture: 13.3 Date Received: 08/30/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090909.D
Dilution:	10			Initial Weight/Volume:	25.37 g
Analysis Date:	09/09/2011 1453			Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		280		3.6	110

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-138_2-4(20110829)**

Lab Sample ID: 240-3396-7 Date Sampled: 08/29/2011 1600
Client Matrix: Solid % Moisture: 23.3 Date Received: 08/30/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-15002	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF091206.D
Dilution:	1.0			Initial Weight/Volume:	25.62 g
Analysis Date:	09/12/2011 1923			Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.41	13

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_2-4(20110826)**

Lab Sample ID: 240-3396-2 Date Sampled: 08/26/2011 1700
Client Matrix: Solid % Moisture: 10.0 Date Received: 08/30/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90907.D
Dilution:	5.0			Initial Weight/Volume:	30.18 g
Analysis Date:	09/09/2011 1117			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		100		5.5	44

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_6-8(20110826)**

Lab Sample ID: 240-3396-3 Date Sampled: 08/26/2011 1715
Client Matrix: Solid % Moisture: 24.0 Date Received: 08/30/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90908.D
Dilution:	1.0			Initial Weight/Volume:	27.98 g
Analysis Date:	09/09/2011 1146			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		23		1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-135_8-9(20110826)**

Lab Sample ID: 240-3396-4 Date Sampled: 08/26/2011 1740
Client Matrix: Solid % Moisture: 13.3 Date Received: 08/30/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90909.D
Dilution:	1.0			Initial Weight/Volume:	28.85 g
Analysis Date:	09/09/2011 1215			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		32		1.2	9.6

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-136_1-3(20110829)**

Lab Sample ID: 240-3396-5 Date Sampled: 08/29/2011 0915
Client Matrix: Solid % Moisture: 9.6 Date Received: 08/30/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90910.D
Dilution:	20			Initial Weight/Volume:	28.27 g
Analysis Date:	09/09/2011 1243			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		550		23	190

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-137_2-4(20110829)**

Lab Sample ID: 240-3396-6 Date Sampled: 08/29/2011 1345
Client Matrix: Solid % Moisture: 21.1 Date Received: 08/30/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90911.D
Dilution:	1.0			Initial Weight/Volume:	27.34 g
Analysis Date:	09/09/2011 1312			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		12		1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-138_2-4(20110829)**

Lab Sample ID: 240-3396-7 Date Sampled: 08/29/2011 1600
Client Matrix: Solid % Moisture: 23.3 Date Received: 08/30/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90912.D
Dilution:	1.0			Initial Weight/Volume:	28.23 g
Analysis Date:	09/09/2011 1341			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		6.3	J	1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-136_1-3(20110829)**

Lab Sample ID: 240-3396-5 Date Sampled: 08/29/2011 0915
Client Matrix: Solid % Moisture: 9.6 Date Received: 08/30/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	09/02/2011 1441			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		59	B	0.075	21
Cadmium		0.46		0.038	0.21
Chromium		7.7		0.21	0.53
Silver		ND		0.11	0.53
Arsenic		4.4		0.32	1.1
Lead		47		0.20	0.32
Selenium		ND		0.48	0.53

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	09/02/2011 1557			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.065	J	0.015	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-137_2-4(20110829)**

Lab Sample ID: 240-3396-6 Date Sampled: 08/29/2011 1345
Client Matrix: Solid % Moisture: 21.1 Date Received: 08/30/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	09/02/2011 1515			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		70	B	0.088	25
Cadmium		0.18	J	0.045	0.25
Chromium		12		0.25	0.62
Silver		ND		0.12	0.62
Arsenic		7.2		0.37	1.2
Lead		14		0.24	0.37
Selenium		ND		0.56	0.62

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.70 g
Analysis Date:	09/02/2011 1603			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.061	J	0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Client Sample ID: **ASB-138_2-4(20110829)**

Lab Sample ID: 240-3396-7 Date Sampled: 08/29/2011 1600
Client Matrix: Solid % Moisture: 23.3 Date Received: 08/30/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Analysis Date:	09/02/2011 1520			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		2.1		0.23	0.36

General Chemistry

Client Sample ID: **ASB-135_2-4(20110826)**

Lab Sample ID: 240-3396-2 Date Sampled: 08/26/2011 1700

Client Matrix: Solid Date Received: 08/30/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-135_6-8(20110826)**

Lab Sample ID: 240-3396-3 Date Sampled: 08/26/2011 1715

Client Matrix: Solid Date Received: 08/30/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-135_8-9(20110826)**

Lab Sample ID: 240-3396-4 Date Sampled: 08/26/2011 1740

Client Matrix: Solid Date Received: 08/30/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-136_1-3(20110829)**

Lab Sample ID: 240-3396-5 Date Sampled: 08/29/2011 0915

Client Matrix: Solid Date Received: 08/30/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	9.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-137_2-4(20110829)**

Lab Sample ID: 240-3396-6 Date Sampled: 08/29/2011 1345

Client Matrix: Solid Date Received: 08/30/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-138_2-4(20110829)**

Lab Sample ID: 240-3396-7 Date Sampled: 08/29/2011 1600

Client Matrix: Solid Date Received: 08/30/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14142					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14142/1-A	Method Blank	T	Solid	5035	
240-3396-1TB	MB-003(20110829)	T	Solid	5035	
240-3396-2	ASB-135_2-4(20110826)	T	Solid	5035	
240-3396-3	ASB-135_6-8(20110826)	T	Solid	5035	
240-3396-4	ASB-135_8-9(20110826)	T	Solid	5035	
240-3396-7	ASB-138_2-4(20110829)	T	Solid	5035	
Analysis Batch:240-14409					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	8260B	240-14142
MB 240-14142/1-A	Method Blank	T	Solid	8260B	240-14142
240-3396-1TB	MB-003(20110829)	T	Solid	8260B	240-14142
240-3396-2	ASB-135_2-4(20110826)	T	Solid	8260B	240-14142
240-3396-3	ASB-135_6-8(20110826)	T	Solid	8260B	240-14142
240-3396-4	ASB-135_8-9(20110826)	T	Solid	8260B	240-14142
240-3396-7	ASB-138_2-4(20110829)	T	Solid	8260B	240-14142

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-14033					
LCS 240-14033/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-14033/23-A	Method Blank	T	Solid	3540C	
240-3396-2	ASB-135_2-4(20110826)	T	Solid	3540C	
240-3396-3	ASB-135_6-8(20110826)	T	Solid	3540C	
240-3396-4	ASB-135_8-9(20110826)	T	Solid	3540C	
240-3396-4MS	Matrix Spike	T	Solid	3540C	
240-3396-4MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3396-5	ASB-136_1-3(20110829)	T	Solid	3540C	
240-3396-6	ASB-137_2-4(20110829)	T	Solid	3540C	
Analysis Batch:240-14459					
LCS 240-14033/24-A	Lab Control Sample	T	Solid	8270C	240-14033
MB 240-14033/23-A	Method Blank	T	Solid	8270C	240-14033
240-3396-2	ASB-135_2-4(20110826)	T	Solid	8270C	240-14033
240-3396-3	ASB-135_6-8(20110826)	T	Solid	8270C	240-14033
240-3396-4	ASB-135_8-9(20110826)	T	Solid	8270C	240-14033
240-3396-4MS	Matrix Spike	T	Solid	8270C	240-14033
240-3396-4MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14033
240-3396-5	ASB-136_1-3(20110829)	T	Solid	8270C	240-14033
240-3396-6	ASB-137_2-4(20110829)	T	Solid	8270C	240-14033

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-14601					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14601/1-A	Method Blank	T	Solid	5035	
240-3396-2	ASB-135_2-4(20110826)	T	Solid	5035	
240-3396-3	ASB-135_6-8(20110826)	T	Solid	5035	
240-3396-4	ASB-135_8-9(20110826)	T	Solid	5035	
240-3396-7	ASB-138_2-4(20110829)	T	Solid	5035	
Analysis Batch:240-14761					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14601
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14601
MB 240-14601/1-A	Method Blank	T	Solid	WI-GRO	240-14601
240-3396-2	ASB-135_2-4(20110826)	T	Solid	WI-GRO	240-14601
240-3396-3	ASB-135_6-8(20110826)	T	Solid	WI-GRO	240-14601
240-3396-4	ASB-135_8-9(20110826)	T	Solid	WI-GRO	240-14601
Analysis Batch:240-15002					
240-3396-7	ASB-138_2-4(20110829)	T	Solid	WI-GRO	240-14601

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14012					
LCS 240-14012/14-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14012/15-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14012/16-A	Method Blank	T	Solid	WI DRO PREP	
240-3396-2	ASB-135_2-4(20110826)	T	Solid	WI DRO PREP	
240-3396-3	ASB-135_6-8(20110826)	T	Solid	WI DRO PREP	
240-3396-4	ASB-135_8-9(20110826)	T	Solid	WI DRO PREP	
240-3396-5	ASB-136_1-3(20110829)	T	Solid	WI DRO PREP	
240-3396-6	ASB-137_2-4(20110829)	T	Solid	WI DRO PREP	
240-3396-7	ASB-138_2-4(20110829)	T	Solid	WI DRO PREP	
Analysis Batch:240-14373					
LCS 240-14012/14-A	Lab Control Sample	T	Solid	WI-DRO	240-14012
LCSD 240-14012/15-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14012
MB 240-14012/16-A	Method Blank	T	Solid	WI-DRO	240-14012
Analysis Batch:240-14769					
240-3396-2	ASB-135_2-4(20110826)	T	Solid	WI-DRO	240-14012
240-3396-3	ASB-135_6-8(20110826)	T	Solid	WI-DRO	240-14012
240-3396-4	ASB-135_8-9(20110826)	T	Solid	WI-DRO	240-14012
240-3396-5	ASB-136_1-3(20110829)	T	Solid	WI-DRO	240-14012
240-3396-6	ASB-137_2-4(20110829)	T	Solid	WI-DRO	240-14012
240-3396-7	ASB-138_2-4(20110829)	T	Solid	WI-DRO	240-14012

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-14055					
LCS 240-14055/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-14055/1-A	Method Blank	T	Solid	3050B	
240-3396-5	ASB-136_1-3(20110829)	T	Solid	3050B	
240-3396-5MS	Matrix Spike	T	Solid	3050B	
240-3396-5MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3396-6	ASB-137_2-4(20110829)	T	Solid	3050B	
240-3396-7	ASB-138_2-4(20110829)	T	Solid	3050B	
Prep Batch: 240-14061					
LCS 240-14061/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-14061/1-A	Method Blank	T	Solid	7471A	
240-3396-5	ASB-136_1-3(20110829)	T	Solid	7471A	
240-3396-5MS	Matrix Spike	T	Solid	7471A	
240-3396-5MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3396-6	ASB-137_2-4(20110829)	T	Solid	7471A	
Analysis Batch:240-14241					
LCS 240-14061/2-A	Lab Control Sample	T	Solid	7471A	240-14061
MB 240-14061/1-A	Method Blank	T	Solid	7471A	240-14061
240-3396-5	ASB-136_1-3(20110829)	T	Solid	7471A	240-14061
240-3396-5MS	Matrix Spike	T	Solid	7471A	240-14061
240-3396-5MSD	Matrix Spike Duplicate	T	Solid	7471A	240-14061
240-3396-6	ASB-137_2-4(20110829)	T	Solid	7471A	240-14061
Analysis Batch:240-14355					
LCS 240-14055/2-A	Lab Control Sample	T	Solid	6010B	240-14055
MB 240-14055/1-A	Method Blank	T	Solid	6010B	240-14055
240-3396-5	ASB-136_1-3(20110829)	T	Solid	6010B	240-14055
240-3396-5MS	Matrix Spike	T	Solid	6010B	240-14055
240-3396-5MSD	Matrix Spike Duplicate	T	Solid	6010B	240-14055
240-3396-6	ASB-137_2-4(20110829)	T	Solid	6010B	240-14055
240-3396-7	ASB-138_2-4(20110829)	T	Solid	6010B	240-14055

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14036					
240-3396-2	ASB-135_2-4(20110826)	T	Solid	Moisture	
240-3396-2DU	Duplicate	T	Solid	Moisture	
240-3396-3	ASB-135_6-8(20110826)	T	Solid	Moisture	
240-3396-4	ASB-135_8-9(20110826)	T	Solid	Moisture	
240-3396-5	ASB-136_1-3(20110829)	T	Solid	Moisture	
240-3396-6	ASB-137_2-4(20110829)	T	Solid	Moisture	
240-3396-7	ASB-138_2-4(20110829)	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc.

Job Number: 240-3396-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3396-1	MB-003(20110829)	103	104	86	104
240-3396-2	ASB-135_2-4(20110826)	94	98	81	96
240-3396-3	ASB-135_6-8(20110826)	86	88	71	90
240-3396-4	ASB-135_8-9(20110826)	82	90	70	90
240-3396-7	ASB-138_2-4(20110829)	85	89	76	90
MB 240-14142/1-A		89	89	75	92
LCS 240-14142/2-A		90	94	83	93

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3396-2	ASB-135_2-4(20110826)	40	50	53	48	52	63
240-3396-3	ASB-135_6-8(20110826)	57	51	61	53	62	69
240-3396-4	ASB-135_8-9(20110826)	54	48	51	49	55	65
240-3396-5	ASB-136_1-3(20110829)	43	55	46	44	44	74
240-3396-6	ASB-137_2-4(20110829)	49	50	53	45	56	72
MB 240-14033/23-A		71	72	87	72	91	100
LCS 240-14033/24-A		75	71	77	74	77	89
240-3396-4 MS	ASB-135_8-9(20110826) MS	65	64	55	54	69	87
240-3396-4 MSD	ASB-135_8-9(20110826) MSD	67	60	52	49	65	84

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	10.6	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	89	26 - 141
Dibromofluoromethane (Surr)	75	30 - 122
Toluene-d8 (Surr)	92	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Control Sample - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	420	84	27 - 121	
1,1,1-Trichloroethane	500	426	85	38 - 122	
1,1,2,2-Tetrachloroethane	500	590	118	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	462	92	48 - 151	
1,1,2-Trichloroethane	500	540	108	74 - 114	
1,1-Dichloroethane	500	470	94	63 - 117	
1,1-Dichloroethene	500	476	95	44 - 143	
1,1-Dichloropropene	500	498	100	60 - 123	
1,2,3-Trichlorobenzene	500	468	94	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	452	90	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	469	94	10 - 129	J
1,2-Dibromoethane	500	525	105	47 - 123	
1,2-Dichlorobenzene	500	498	100	68 - 118	
1,2-Dichloroethane	500	485	97	68 - 119	
1,2-Dichloropropane	500	500	100	73 - 113	
1,3,5-Trimethylbenzene	500	492	98	60 - 130	
1,3-Dichlorobenzene	500	505	101	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	493	99	65 - 119	
2,2-Dichloropropane	500	376	75	25 - 123	
2-Butanone (MEK)	1000	1080	108	10 - 199	
2-Chlorotoluene	500	515	103	68 - 122	
2-Hexanone	1000	1280	128	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1180	118	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	500	100	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	489	98	56 - 128	
Bromodichloromethane	500	394	79	28 - 123	
Bromoform	500	498	100	10 - 117	
Bromomethane	500	309	62	10 - 114	
Carbon disulfide	500	327	65	10 - 132	
Carbon tetrachloride	500	387	77	29 - 118	
Chlorobenzene	500	490	98	71 - 116	
Chloroethane	500	422	84	10 - 120	
Chloroform	500	463	93	63 - 116	
Chloromethane	500	400	80	25 - 110	
cis-1,2-Dichloroethene	500	472	94	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Control Sample - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	409	82	25 - 120	
Cyclohexane	500	470	94	40 - 120	J
Chlorodibromomethane	500	383	77	22 - 113	
Dibromomethane	500	520	104	68 - 118	
Dichlorodifluoromethane	500	314	63	10 - 110	
Ethyl ether	500	415	83	70 - 130	J
Ethylbenzene	500	489	98	66 - 119	
Hexachlorobutadiene	500	450	90	34 - 135	
Isopropylbenzene	500	481	96	61 - 123	
Methyl acetate	500	540	108	44 - 173	
Methyl tert butyl ether	500	505	101	34 - 157	J
Methylcyclohexane	500	468	94	41 - 133	J
Methylene Chloride	500	423	85	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	500	100	37 - 126	
n-Butylbenzene	500	489	98	51 - 137	
N-Propylbenzene	500	540	108	64 - 130	
o-Xylene	500	505	101	68 - 120	
p-Isopropyltoluene	500	491	98	56 - 136	
sec-Butylbenzene	500	490	98	58 - 131	
Styrene	500	456	91	60 - 120	
tert-Butylbenzene	500	500	100	58 - 128	
Tetrachloroethene	500	520	104	58 - 131	
Tetrahydrofuran	500	590	118	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	453	91	58 - 121	
trans-1,3-Dichloropropene	500	425	85	22 - 122	
Trichloroethene	500	493	99	59 - 124	
Trichlorofluoromethane	500	332	66	17 - 145	
Vinyl chloride	500	417	83	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Dibromofluoromethane (Surr)	83	30 - 122
Toluene-d8 (Surr)	93	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14033

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14033/23-A	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14033	Lab File ID:	0906003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/06/2011 1424	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71	10 - 118
2-Fluorobiphenyl (Surr)	72	34 - 110
2-Fluorophenol (Surr)	87	26 - 110
Nitrobenzene-d5 (Surr)	72	24 - 112
Phenol-d5 (Surr)	91	28 - 110
Terphenyl-d14 (Surr)	100	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Lab Control Sample - Batch: 240-14033

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14033/24-A	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14033	Lab File ID:	0906004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/06/2011 1442	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	467	70	46 - 110	
Acenaphthene	667	461	69	46 - 110	
Acenaphthylene	667	466	70	47 - 110	
Anthracene	667	496	74	56 - 111	
Benzo[a]anthracene	667	503	75	58 - 111	
Benzo[a]pyrene	667	473	71	44 - 115	
Benzo[b]fluoranthene	667	567	85	43 - 124	
Benzo[g,h,i]perylene	667	551	83	44 - 120	
Benzo[k]fluoranthene	667	481	72	38 - 122	
Chrysene	667	511	77	56 - 111	
Dibenz(a,h)anthracene	667	541	81	45 - 122	
Fluoranthene	667	519	78	55 - 118	
Fluorene	667	478	72	51 - 110	
Indeno[1,2,3-cd]pyrene	667	511	77	45 - 121	
Naphthalene	667	457	69	42 - 110	
Phenanthrene	667	481	72	54 - 110	
Pyrene	667	493	74	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	75	10 - 118
2-Fluorobiphenyl (Surr)	71	34 - 110
2-Fluorophenol (Surr)	77	26 - 110
Nitrobenzene-d5 (Surr)	74	24 - 112
Phenol-d5 (Surr)	77	28 - 110
Terphenyl-d14 (Surr)	89	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14033

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3396-4	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14033	Lab File ID:	0906020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	09/06/2011 1937			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3396-4	Analysis Batch:	240-14459	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14033	Lab File ID:	0906021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/06/2011 1955			Final Weight/Volume:	2 mL
Prep Date:	09/01/2011 0919			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	67	57	10 - 200	16	30		
Acenaphthene	70	63	10 - 200	10	30		
Acenaphthylene	70	62	10 - 200	12	30		
Anthracene	77	69	10 - 200	11	30		
Benzo[a]anthracene	80	72	10 - 200	11	30		
Benzo[a]pyrene	68	62	10 - 200	8	30		
Benzo[b]fluoranthene	86	70	10 - 200	20	30		
Benzo[g,h,i]perylene	75	63	10 - 200	16	30		
Benzo[k]fluoranthene	67	74	10 - 200	9	30		
Chrysene	75	68	10 - 200	10	30		
Dibenz(a,h)anthracene	79	70	10 - 200	12	30		
Fluoranthene	80	73	10 - 200	8	30		
Fluorene	75	68	10 - 187	10	30		
Indeno[1,2,3-cd]pyrene	70	62	10 - 200	13	30		
Naphthalene	56	47	10 - 200	18	30		J
Phenanthrene	73	65	10 - 200	11	30		
Pyrene	76	68	10 - 200	11	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	65	67	10 - 118
2-Fluorobiphenyl (Surr)	64	60	34 - 110
2-Fluorophenol (Surr)	55	52	26 - 110
Nitrobenzene-d5 (Surr)	54	49	24 - 112
Phenol-d5 (Surr)	69	65	28 - 110
Terphenyl-d14 (Surr)	87	84	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14601 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-14601/1-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1214	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14601 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14601/2-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1254	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14601/3-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/10/2011 0045	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	82	83	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14012

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14012/16-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90622.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1916	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	2.19	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14012

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14012/14-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90623.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1945	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14012/15-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/07/2011 0227	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	96	97	70 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14055

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-14055/1-A	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/02/2011 1429	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.0903	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-14055

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-14055/2-A	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/02/2011 1435	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	199	99	80 - 120	
Cadmium	5.00	5.10	102	80 - 120	
Chromium	20.0	19.7	98	80 - 120	
Silver	5.00	4.75	95	80 - 120	
Arsenic	200	192	96	80 - 120	
Lead	50.0	49.5	99	80 - 120	
Selenium	200	193	96	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14055

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3396-5	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1503			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3396-5	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1509			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	97	101	75 - 125	3	20		
Cadmium	94	94	75 - 125	0	20		
Chromium	106	111	75 - 125	4	20		
Silver	99	105	75 - 125	7	20		
Arsenic	94	95	75 - 125	1	20		
Lead	101	96	75 - 125	3	20		
Selenium	93	94	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Method Blank - Batch: 240-14061

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-14061/1-A	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1554	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-14061

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-14061/2-A	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1555	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.858	103	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14061

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3396-5	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1558			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3396-5	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1559			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	95	88	11 - 192	6	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3396-1

Duplicate - Batch: 240-14036

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3396-2	Analysis Batch:	240-14036	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/01/2011 0928	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	90	92	2	20	
Percent Moisture	10	8.3	18	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3396-1

Login Number: 3396

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3, 1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

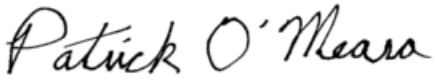
ANALYTICAL REPORT

Job Number: 240-3400-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/22/2011 4:54 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/22/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3400-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/31/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.5 and 2.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TB-004(20110829) (240-3400-1) and ASB-137_6-11(20110829) (240-3400-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/12/2011.

Several analytes were detected in method blank MB 240-14969/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

An MS/MSD was analyzed for batch 14969 but due to analyst error was not performed on a Minnesota sample.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample ASB-137_6-11(20110829) (240-3400-2) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/08/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Benzo[a]pyrene failed the recovery criteria low for the MSD of sample 240-3353-7 in batch 240-14772. Refer to the QC report for details.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Sample ASB-137_6-11(20110829) (240-3400-2) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/06/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14158/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

WI Diesel Range Organics (C10-C28) exceeded the rpd limit for LCSD 240-14158/3-A. Refer to the QC report for details.

The opening continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV - ASB-137_6-11(20110829) (240-3400-2) and W-110830-RA-04 (240-3404-4 were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the WI-DRO analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Sample ASB-137_6-11(20110829) (240-3400-2) was analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/08/2011.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14588.

No difficulties were encountered during the WI-GRO analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB-137_6-11(20110829) (240-3400-2) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/06/2011.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14171.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample ASB-137_6-11(20110829) (240-3400-2) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/06/2011.

Barium was detected in method blank MB 240-14113/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

All other quality control parameters were within the acceptance limits.

No difficulties were encountered during the metals analysis.

DISSOLVED MERCURY (CVAA)

Sample ASB-137_6-11(20110829) (240-3400-2) was analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3400-2	**ASB-137_6-11(20110829)**					
Acetone		3.5	J	10	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.068	J B *	0.097	mg/L	WI-DRO
Dissolved						
Barium		23	J B	200	ug/L	6010B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method	Analyst	Analyst ID
SW846 8260B	Quayle, Rick	RQ
SW846 8270C	Ulman, Mark	MU
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Davies, Brian	BD
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3400-1TB	TB-004(20110829)	Water	08/29/2011 0000	08/31/2011 0930
240-3400-2	ASB-137_6-11(20110829)	Water	08/29/2011 1325	08/31/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **TB-004(20110829)**

Lab Sample ID: 240-3400-1TB Date Sampled: 08/29/2011 0000
Client Matrix: Water Date Received: 08/31/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX4776.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1313			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1313				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **TB-004(20110829)**

Lab Sample ID: 240-3400-1TB Date Sampled: 08/29/2011 0000
Client Matrix: Water Date Received: 08/31/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX4776.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1313			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1313				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 129
4-Bromofluorobenzene (Surr)	91		66 - 117
Toluene-d8 (Surr)	99		74 - 115
Dibromofluoromethane (Surr)	104		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX4777.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1334			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1334				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	3.5	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX4777.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1334			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1334				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		63 - 129
4-Bromofluorobenzene (Surr)	90		66 - 117
Toluene-d8 (Surr)	96		74 - 115
Dibromofluoromethane (Surr)	102		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14603	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-13996	Lab File ID:	3400K2A.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/08/2011 0132			Final Weight/Volume:	2.00 mL
Prep Date:	09/01/2011 0744			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	62		28 - 110
2-Fluorophenol (Surr)	63		10 - 110
2,4,6-Tribromophenol (Surr)	71		22 - 120
Nitrobenzene-d5 (Surr)	73		27 - 111
Phenol-d5 (Surr)	65		10 - 110
Terphenyl-d14 (Surr)	53		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14588	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF090810.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/08/2011 1333			Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1333			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14388	Instrument ID:	A2HP13
Prep Method:	3510C	Prep Batch:	240-14171	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	2.00 mL
Analysis Date:	09/06/2011 1653			Injection Volume:	1 mL
Prep Date:	09/02/2011 0906			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.043	0.20
Aroclor-1221	ND		0.044	0.20
Aroclor-1232	ND		0.072	0.20
Aroclor-1242	ND		0.059	0.20
Aroclor-1248	ND		0.060	0.20
Aroclor-1254	ND		0.031	0.20
Aroclor-1260	ND		0.037	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		35 - 137
DCB Decachlorobiphenyl	13		10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14391	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-14158	Lab File ID:	P6B90622.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	09/06/2011 1916			Final Weight/Volume:	1.00 mL
Prep Date:	09/02/2011 0839			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.068	J B *	0.016	0.097

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Client Sample ID: **ASB-137_6-11(20110829)**

Lab Sample ID: 240-3400-2 Date Sampled: 08/29/2011 1325
Client Matrix: Water Date Received: 08/31/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-14113	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2011 1203			Final Weight/Volume:	50 mL
Prep Date:	09/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	23	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-14463	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-14120	Lab File ID:	HG10906B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1240			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 1309				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-14969					
LCS 240-14969/4	Lab Control Sample	T	Water	8260B	
MB 240-14969/5	Method Blank	T	Water	8260B	
240-3375-B-1 MS	Matrix Spike	T	Water	8260B	
240-3375-C-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-3400-1TB	TB-004(20110829)	T	Water	8260B	
240-3400-2	ASB-137_6-11(20110829)	T	Water	8260B	
GC/MS Semi VOA					
Prep Batch: 240-13996					
LCS 240-13996/24-A	Lab Control Sample	T	Water	3520C	
MB 240-13996/23-A	Method Blank	T	Water	3520C	
240-3353-K-7-A MS	Matrix Spike	T	Water	3520C	
240-3353-K-7-B MSD	Matrix Spike Duplicate	T	Water	3520C	
240-3400-2	ASB-137_6-11(20110829)	T	Water	3520C	
Analysis Batch:240-14374					
MB 240-13996/23-A	Method Blank	T	Water	8270C	240-13996
Analysis Batch:240-14603					
240-3400-2	ASB-137_6-11(20110829)	T	Water	8270C	240-13996
Analysis Batch:240-14772					
LCS 240-13996/24-A	Lab Control Sample	T	Water	8270C	240-13996
240-3353-K-7-A MS	Matrix Spike	T	Water	8270C	240-13996
240-3353-K-7-B MSD	Matrix Spike Duplicate	T	Water	8270C	240-13996
GC VOA					
Analysis Batch:240-14588					
LCS 240-14588/6	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-14588/12	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-14588/5	Method Blank	T	Water	WI-GRO	
240-3400-2	ASB-137_6-11(20110829)	T	Water	WI-GRO	

Report Basis
T = Total

Report Basis
T = Total

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14158					
LCS 240-14158/2-A	Lab Control Sample	T	Water	3510C	
LCSD 240-14158/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-14158/1-A	Method Blank	T	Water	3510C	
240-3400-2	ASB-137_6-11(20110829)	T	Water	3510C	
240-3404-AG-4-A MS	Matrix Spike	T	Water	3510C	
240-3404-AG-4-B MSD	Matrix Spike Duplicate	T	Water	3510C	
Prep Batch: 240-14171					
LCS 240-14171/2-A	Lab Control Sample	T	Water	3510C	
MB 240-14171/1-A	Method Blank	T	Water	3510C	
240-3400-2	ASB-137_6-11(20110829)	T	Water	3510C	
Analysis Batch:240-14388					
LCS 240-14171/2-A	Lab Control Sample	T	Water	8082	240-14171
MB 240-14171/1-A	Method Blank	T	Water	8082	240-14171
240-3400-2	ASB-137_6-11(20110829)	T	Water	8082	240-14171
Analysis Batch:240-14391					
LCS 240-14158/2-A	Lab Control Sample	T	Water	WI-DRO	240-14158
LCSD 240-14158/3-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-14158
MB 240-14158/1-A	Method Blank	T	Water	WI-DRO	240-14158
240-3400-2	ASB-137_6-11(20110829)	T	Water	WI-DRO	240-14158
240-3404-AG-4-A MS	Matrix Spike	T	Water	WI-DRO	240-14158
240-3404-AG-4-B MSD	Matrix Spike Duplicate	T	Water	WI-DRO	240-14158

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-14113					
LCS 240-14113/2-A	Lab Control Sample	R	Water	3005A	
MB 240-14113/1-A	Method Blank	R	Water	3005A	
240-3400-2	ASB-137_6-11(20110829)	D	Water	3005A	
240-3404-K-4-B MS	Matrix Spike	R	Water	3005A	
240-3404-K-4-C MSD	Matrix Spike Duplicate	R	Water	3005A	
Prep Batch: 240-14120					
LCS 240-14120/2-A	Lab Control Sample	T	Water	7470A	
MB 240-14120/1-A	Method Blank	T	Water	7470A	
240-3400-2	ASB-137_6-11(20110829)	D	Water	7470A	
240-3404-J-4-B MS	Matrix Spike	T	Water	7470A	
240-3404-J-4-C MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:240-14431					
LCS 240-14113/2-A	Lab Control Sample	R	Water	6010B	240-14113
MB 240-14113/1-A	Method Blank	R	Water	6010B	240-14113
240-3400-2	ASB-137_6-11(20110829)	D	Water	6010B	240-14113
240-3404-K-4-B MS	Matrix Spike	R	Water	6010B	240-14113
240-3404-K-4-C MSD	Matrix Spike Duplicate	R	Water	6010B	240-14113
Analysis Batch:240-14463					
LCS 240-14120/2-A	Lab Control Sample	T	Water	7470A	240-14120
MB 240-14120/1-A	Method Blank	T	Water	7470A	240-14120
240-3400-2	ASB-137_6-11(20110829)	D	Water	7470A	240-14120
240-3404-J-4-B MS	Matrix Spike	T	Water	7470A	240-14120
240-3404-J-4-C MSD	Matrix Spike Duplicate	T	Water	7470A	240-14120

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-3400-1	TB-004(20110829)	102	91	99	104
240-3400-2	ASB-137_6-11(20110829)	100	90	96	102
MB 240-14969/5		100	94	97	100
LCS 240-14969/4		96	101	100	100
240-3375-B-1 MS		103	96	100	101
240-3375-C-1 MSD		97	99	98	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3400-2	ASB-137_6-11(20110829)	62	63	71	73	65	53
MB 240-13996/23-A		80	79	81	68	80	100
LCS 240-13996/24-A		81	92	93	94	91	97
240-3353-K-7-A MS		72	80	74	81	79	77
240-3353-K-7-B MSD		64	72	65	74	74	68

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-3400-2	ASB-137_6-11(20110829)	60	13
MB 240-14171/1-A		65	73
LCS 240-14171/2-A		78	86

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-14969

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14969/5	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4771.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1126	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1126				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.405	J	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	0.303	J	0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-14969

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-14969/5	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4771.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1126	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1126				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	1.0
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	0.478	J	0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.667	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	63 - 129
4-Bromofluorobenzene (Surr)	94	66 - 117
Toluene-d8 (Surr)	97	74 - 115
Dibromofluoromethane (Surr)	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Lab Control Sample - Batch: 240-14969

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14969/4	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4770.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1105	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1105				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.55	96	72 - 116	
1,1,1-Trichloroethane	10.0	9.59	96	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.44	94	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.1	111	74 - 151	
1,1,2-Trichloroethane	10.0	9.17	92	80 - 112	
1,1-Dichloroethane	10.0	9.84	98	82 - 115	
1,1-Dichloroethene	10.0	10.2	102	78 - 131	
1,1-Dichloropropene	10.0	9.83	98	83 - 114	
1,2,3-Trichlorobenzene	10.0	8.77	88	54 - 126	
1,2,3-Trichloropropane	10.0	9.59	96	73 - 129	
1,2,4-Trichlorobenzene	10.0	8.80	88	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.27	93	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	10.3	103	42 - 136	
1,2-Dichlorobenzene	10.0	9.42	94	81 - 110	
1,2-Dichloroethane	10.0	9.45	95	71 - 127	
1,2-Dichloropropane	10.0	9.61	96	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.37	94	72 - 118	
1,3-Dichlorobenzene	10.0	9.28	93	80 - 110	
1,3-Dichloropropane	10.0	9.52	95	79 - 116	
1,4-Dichlorobenzene	10.0	9.14	91	82 - 110	
2,2-Dichloropropane	10.0	9.80	98	50 - 129	
2-Chlorotoluene	10.0	9.32	93	76 - 116	
2-Hexanone	20.0	19.1	96	55 - 133	
Bromobenzene	10.0	9.27	93	76 - 115	
Bromochloromethane	10.0	9.42	94	77 - 120	
4-Chlorotoluene	10.0	9.28	93	77 - 115	
p-Isopropyltoluene	10.0	9.84	98	74 - 120	
Acetone	20.0	19.0	95	43 - 136	
Benzene	10.0	9.52	95	83 - 112	
Bromoform	10.0	9.85	99	40 - 131	
Bromomethane	10.0	9.53	95	11 - 185	
Carbon disulfide	10.0	9.65	97	62 - 142	
Carbon tetrachloride	10.0	9.99	100	66 - 128	
Chlorobenzene	10.0	9.38	94	85 - 110	
Chloroethane	10.0	9.40	94	25 - 153	
Chloroform	10.0	9.86	99	79 - 117	
Chloromethane	10.0	9.72	97	44 - 126	
cis-1,2-Dichloroethene	10.0	9.28	93	80 - 113	
cis-1,3-Dichloropropene	10.0	9.20	92	61 - 115	
Cyclohexane	10.0	9.87	99	54 - 121	
Hexachlorobutadiene	10.0	8.54	85	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Lab Control Sample - Batch: 240-14969

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-14969/4	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4770.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1105	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1105				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.98	100	81 - 120	
Bromodichloromethane	10.0	9.62	96	72 - 121	
Dichlorodifluoromethane	10.0	8.87	89	19 - 129	
Ethyl ether	10.0	11.2	112	53 - 135	
Ethylbenzene	10.0	9.40	94	83 - 112	
1,2-Dibromoethane	10.0	9.44	94	79 - 113	
Naphthalene	10.0	8.53	85	32 - 141	
m-Xylene & p-Xylene	20.0	18.7	94	83 - 113	
n-Butylbenzene	10.0	9.52	95	66 - 125	
Isopropylbenzene	10.0	9.59	96	75 - 114	
Methyl acetate	10.0	8.70	87	58 - 131	J
N-Propylbenzene	10.0	9.64	96	74 - 121	
2-Butanone (MEK)	20.0	17.5	88	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	18.9	95	63 - 128	
sec-Butylbenzene	10.0	9.44	94	70 - 117	
Methyl tert butyl ether	10.0	9.81	98	52 - 144	
Methylene Chloride	10.0	10.5	105	66 - 131	
o-Xylene	10.0	9.70	97	83 - 113	
Styrene	10.0	9.42	94	79 - 114	
tert-Butylbenzene	10.0	9.17	92	71 - 115	
Tetrachloroethene	10.0	9.68	97	79 - 114	
Tetrahydrofuran	10.0	10.0	100	23 - 143	
Toluene	10.0	9.45	95	84 - 111	
trans-1,2-Dichloroethene	10.0	9.83	98	83 - 117	
trans-1,3-Dichloropropene	10.0	9.72	97	58 - 117	
Trichloroethene	10.0	9.43	94	76 - 117	
Trichlorofluoromethane	10.0	10.0	100	49 - 157	
Vinyl chloride	10.0	9.97	100	53 - 127	
Methylcyclohexane	10.0	10.2	102	56 - 127	
Chlorodibromomethane	10.0	9.56	96	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	63 - 129
4-Bromofluorobenzene (Surr)	101	66 - 117
Toluene-d8 (Surr)	100	74 - 115
Dibromofluoromethane (Surr)	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14969

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3375-B-1 MS	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4779.D
Dilution:	2.5	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1417			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1417				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3375-C-1 MSD	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4780.D
Dilution:	2.5	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1439			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1439				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	92	92	64 - 118	0	30		
1,1,1-Trichloroethane	101	101	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	96	96	63 - 122	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	122	124	70 - 152	2	30		
1,1,2-Trichloroethane	93	91	75 - 115	2	30		
1,1-Dichloroethane	102	100	79 - 116	2	30		
1,1-Dichloroethene	108	107	74 - 135	1	30		
1,1-Dichloropropene	104	104	80 - 114	0	30		
1,2,3-Trichlorobenzene	83	87	45 - 129	5	30		
1,2,3-Trichloropropane	92	93	67 - 132	1	30		
1,2,4-Trichlorobenzene	86	87	38 - 138	1	30		
1,2,4-Trimethylbenzene	93	89	67 - 124	4	30		
1,2-Dibromo-3-Chloropropane	89	90	32 - 139	1	30		
1,2-Dichlorobenzene	94	93	75 - 111	1	30		
1,2-Dichloroethane	99	98	68 - 129	1	30		
1,2-Dichloropropane	98	98	78 - 115	0	30		
1,3,5-Trimethylbenzene	94	91	63 - 121	3	30		
1,3-Dichlorobenzene	93	92	73 - 110	1	30		
1,3-Dichloropropane	94	94	74 - 118	0	30		
1,4-Dichlorobenzene	92	92	75 - 110	0	30		
2,2-Dichloropropane	99	99	38 - 127	1	30		
2-Chlorotoluene	93	94	69 - 117	1	30		
2-Hexanone	96	95	47 - 139	1	30		
Bromobenzene	94	93	71 - 116	0	30		
Bromochloromethane	98	98	73 - 121	0	30		
4-Chlorotoluene	96	96	71 - 116	0	30		
p-Isopropyltoluene	99	98	64 - 122	1	30		
Acetone	101	97	33 - 145	3	30		
Benzene	100	97	72 - 121	2	30		
Bromoform	93	92	32 - 128	0	30		
Bromomethane	87	86	10 - 186	1	30		
Carbon disulfide	103	100	57 - 147	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14969

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3375-B-1 MS	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4779.D
Dilution:	2.5	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1417			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1417				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3375-C-1 MSD	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4780.D
Dilution:	2.5	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1439			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1439				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	100	100	59 - 129	0	30		
Chlorobenzene	95	93	80 - 110	2	30		
Chloroethane	96	93	21 - 165	4	30		
Chloroform	102	101	76 - 118	1	30		
Chloromethane	98	103	33 - 132	5	30		
cis-1,2-Dichloroethene	103	99	70 - 120	4	30		
cis-1,3-Dichloropropene	89	90	51 - 110	1	30		
Cyclohexane	108	108	49 - 123	0	30		
Hexachlorobutadiene	87	85	27 - 132	3	30		
Dibromomethane	102	100	77 - 121	2	30		
Bromodichloromethane	99	95	67 - 120	4	30		
Dichlorodifluoromethane	95	95	17 - 128	0	30		
Ethyl ether	108	106	63 - 136	2	30		
Ethylbenzene	94	94	75 - 116	0	30		
1,2-Dibromoethane	91	91	74 - 113	0	30		
Naphthalene	79	83	15 - 158	5	30		
m-Xylene & p-Xylene	94	92	75 - 117	3	30		
n-Butylbenzene	96	96	56 - 127	0	30		
Isopropylbenzene	95	95	68 - 116	1	30		
Methyl acetate	89	83	47 - 130	7	30	J	J
N-Propylbenzene	97	96	64 - 124	1	30		
2-Butanone (MEK)	87	87	54 - 129	0	30		
4-Methyl-2-pentanone (MIBK)	93	96	56 - 131	3	30		
sec-Butylbenzene	95	96	60 - 119	1	30		
Methyl tert butyl ether	97	96	46 - 144	1	30		
Methylene Chloride	103	102	63 - 128	1	30		
o-Xylene	97	94	76 - 116	3	30		
Styrene	90	86	71 - 117	5	30		
tert-Butylbenzene	93	93	61 - 119	0	30		
Tetrachloroethene	97	95	70 - 117	1	30		
Tetrahydrofuran	101	98	10 - 167	3	30		
Toluene	97	93	78 - 114	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14969

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3375-B-1 MS	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4779.D
Dilution:	2.5	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1417			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1417				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3375-C-1 MSD	Analysis Batch:	240-14969	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX4780.D
Dilution:	2.5	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/12/2011 1439			Final Weight/Volume:	5 mL
Prep Date:	09/12/2011 1439				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	101	99	80 - 119	2	30		
trans-1,3-Dichloropropene	92	94	46 - 116	3	30		
Trichloroethene	94	93	66 - 120	1	30		
Trichlorofluoromethane	92	95	46 - 157	2	30		
Vinyl chloride	104	105	49 - 130	1	30		
Methylcyclohexane	110	109	49 - 127	1	30		
Chlorodibromomethane	90	91	56 - 118	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	97	63 - 129
4-Bromofluorobenzene (Surr)	96	99	66 - 117
Toluene-d8 (Surr)	100	98	74 - 115
Dibromofluoromethane (Surr)	101	101	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-13996

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-13996/23-A	Analysis Batch:	240-14374	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13996	Lab File ID:	MB13996.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 0918	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/01/2011 0744			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	80	28 - 110
2-Fluorophenol (Surr)	79	10 - 110
2,4,6-Tribromophenol (Surr)	81	22 - 120
Nitrobenzene-d5 (Surr)	68	27 - 111
Phenol-d5 (Surr)	80	10 - 110
Terphenyl-d14 (Surr)	100	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Lab Control Sample - Batch: 240-13996

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-13996/24-A	Analysis Batch:	240-14772	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13996	Lab File ID:	LCS13996.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/08/2011 1919	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/01/2011 0744			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	15.9	79	40 - 110	
Acenaphthylene	20.0	16.4	82	43 - 110	
Anthracene	20.0	16.3	81	54 - 114	
Benzo[a]anthracene	20.0	16.0	80	55 - 115	
Benzo[b]fluoranthene	20.0	16.0	80	43 - 122	
Benzo[k]fluoranthene	20.0	17.9	90	43 - 124	
Benzo[g,h,i]perylene	20.0	15.6	78	45 - 120	
Benzo[a]pyrene	20.0	13.2	66	43 - 116	
Chrysene	20.0	17.2	86	55 - 115	
2-Methylnaphthalene	20.0	17.8	89	35 - 110	
Dibenz(a,h)anthracene	20.0	13.9	69	46 - 122	
Fluoranthene	20.0	17.3	87	54 - 122	
Fluorene	20.0	16.7	84	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	14.8	74	46 - 121	
Naphthalene	20.0	16.7	83	31 - 110	
Phenanthrene	20.0	16.3	82	52 - 114	
Pyrene	20.0	16.5	82	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	81	28 - 110
2-Fluorophenol (Surr)	92	10 - 110
2,4,6-Tribromophenol (Surr)	93	22 - 120
Nitrobenzene-d5 (Surr)	94	27 - 111
Phenol-d5 (Surr)	91	10 - 110
Terphenyl-d14 (Surr)	97	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-13996

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-3353-K-7-A MS	Analysis Batch:	240-14772	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13996	Lab File ID:	3353K7AS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	525 mL
Analysis Date:	09/08/2011 2017			Final Weight/Volume:	2.00 mL
Prep Date:	09/01/2011 0744			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3353-K-7-B MSD	Analysis Batch:	240-14772	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-13996	Lab File ID:	3353K7BD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	525 mL
Analysis Date:	09/08/2011 2037			Final Weight/Volume:	2.00 mL
Prep Date:	09/01/2011 0744			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	73	64	36 - 110	13	30		
Acenaphthylene	71	64	39 - 110	11	30		
Anthracene	56	52	46 - 110	7	30		
Benzo[a]anthracene	64	58	52 - 110	10	30		
Benzo[b]fluoranthene	56	53	33 - 114	6	30		
Benzo[k]fluoranthene	72	61	32 - 121	17	30		
Benzo[g,h,i]perylene	62	51	34 - 116	19	30		
Benzo[a]pyrene	36	31	33 - 110	15	30	J	J F
Chrysene	76	66	52 - 111	14	30		
2-Methylnaphthalene	81	75	35 - 110	8	30		
Dibenz(a,h)anthracene	60	48	35 - 118	22	30		J
Fluoranthene	78	73	53 - 111	7	30		
Fluorene	75	66	43 - 110	12	30		
Indeno[1,2,3-cd]pyrene	58	50	36 - 116	15	30		
Naphthalene	78	69	32 - 110	13	30		
Phenanthrene	75	67	47 - 110	10	30		
Pyrene	75	68	54 - 115	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	72	64	28 - 110
2-Fluorophenol (Surr)	80	72	10 - 110
2,4,6-Tribromophenol (Surr)	74	65	22 - 120
Nitrobenzene-d5 (Surr)	81	74	27 - 111
Phenol-d5 (Surr)	79	74	10 - 110
Terphenyl-d14 (Surr)	77	68	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-14588

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-14588/5	Analysis Batch:	240-14588	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF090805.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/08/2011 1012	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1012			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14588

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-14588/6	Analysis Batch:	240-14588	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF090806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/08/2011 1052	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1052			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14588/12	Analysis Batch:	240-14588	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF090812.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/08/2011 1452	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1452			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	89	95	80 - 120	7	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-14171

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 240-14171/1-A	Analysis Batch:	240-14388	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14171	Lab File ID:	P1390333.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1708	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/02/2011 0906			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	65	35 - 137
DCB Decachlorobiphenyl	73	10 - 140

Lab Control Sample - Batch: 240-14171

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 240-14171/2-A	Analysis Batch:	240-14388	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-14171	Lab File ID:	P1390334.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1723	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	09/02/2011 0906			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.14	86	56 - 130	
Aroclor-1260	2.50	2.40	96	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	78	35 - 137
DCB Decachlorobiphenyl	86	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-14158

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-14158/1-A	Analysis Batch:	240-14391	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-14158	Lab File ID:	P6B90620.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1819	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	09/02/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0411	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14158

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-14158/2-A	Analysis Batch:	240-14391	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-14158	Lab File ID:	P6B90621.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/06/2011 1848	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	09/02/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 240-14158/3-A	Analysis Batch:	240-14391	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-14158	Lab File ID:	P6B90634.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/07/2011 0101	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	09/02/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	102	81	75 - 115	22	20		*

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14158

Method: WI-DRO
Preparation: 3510C

MS Lab Sample ID:	240-3404-AG-4-A MS	Analysis Batch:	240-14391	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-14158	Lab File ID:	P6B90627.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	520 mL
Analysis Date:	09/06/2011 2140			Final Weight/Volume:	1.00 mL
Prep Date:	09/02/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3404-AG-4-B MSD	Analysis Batch:	240-14391	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-14158	Lab File ID:	P6B90628.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	520 mL
Analysis Date:	09/06/2011 2209			Final Weight/Volume:	1.00 mL
Prep Date:	09/02/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	90	76	60 - 130	16	25		

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Method Blank - Batch: 240-14113

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-14113/1-A	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-14113	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2011 1002	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/02/2011 0830				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.916	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-14113

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-14113/2-A	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-14113	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2011 1008	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/02/2011 0830				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1920	96	80 - 120	
Cadmium	50.0	48.3	97	80 - 120	
Chromium	200	189	95	80 - 120	
Silver	50.0	45.9	92	80 - 120	
Arsenic	2000	1890	94	80 - 120	
Lead	500	476	95	80 - 120	
Selenium	2000	1910	96	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3400-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14113

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-3404-K-4-B MS	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-14113	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2011 1025			Final Weight/Volume:	50 mL
Prep Date:	09/02/2011 0830				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3404-K-4-C MSD	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-14113	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2011 1030			Final Weight/Volume:	50 mL
Prep Date:	09/02/2011 0830				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	93	103	75 - 125	10	20		
Cadmium	90	99	75 - 125	10	20		
Chromium	90	99	75 - 125	10	20		
Silver	90	98	75 - 125	9	20		
Arsenic	91	101	75 - 125	10	20		
Lead	90	99	75 - 125	10	20		
Selenium	92	101	75 - 125	10	20		

Method Blank - Batch: 240-14120

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-14120/1-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-14120	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1224	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 1309				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-14120

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-14120/2-A	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-14120	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1225	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 1309				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.54	91	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14120

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	240-3404-J-4-B MS	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-14120	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1228			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 1309				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3404-J-4-C MSD	Analysis Batch:	240-14463	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-14120	Lab File ID:	HG10906B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/06/2011 1229			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 1309				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	85	96	69 - 134	12	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3400-1

Login Number: 3400

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3, 1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

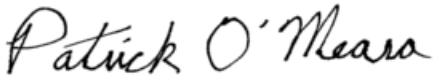
ANALYTICAL REPORT

Job Number: 240-3401-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/22/2011 5:40 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/22/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3401-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/31/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-139_6-8(20110829) (240-3401-1), ASB-140_6-8(20110829) (240-3401-2) and MB-00420110830 (240-3401-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/06/2011.

Naphthalene was detected in method blank MB 240-14142/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14142 for these samples: ASB-139_6-8(20110829) (240-3401-1), ASB-140_6-8(20110829) (240-3401-2), and MB-00420110830 (240-3401-3).

The samples were preserved as frozen encores in the Pittsburgh lab, and they were shipped to the North Canton lab for analysis. The samples thawed in transit. The samples were re-frozen in North Canton, and the re-freeze date and time was entered as the sample preservation date. The re-freeze date was past the preservation holding time, so the samples have been flagged with a holding-time violation.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-139_6-8(20110829) (240-3401-1) and ASB-140_6-8(20110829) (240-3401-2) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/12/2011.

Insufficient samples was available to perform a matrix spike / matrix spike duplicate in batch 14601.

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-139_6-8(20110829) (240-3401-1) and ASB-140_6-8(20110829) (240-3401-2) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/09/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14012/16-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Insufficient samples was available to perform a matrix spike / matrix spike duplicate in batch 14012.

Sample ASB-139_6-8(20110829) (240-3401-1) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-139_6-8(20110829) (240-3401-1) and ASB-140_6-8(20110829) (240-3401-2) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/02/2011.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-139_6-8(20110829) (240-3401-1) and ASB-140_6-8(20110829) (240-3401-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/01/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3401-1	**ASB-139_6-8(20110829)**					
1,2,4-Trimethylbenzene		150	J	280	ug/Kg	8260B
1,3,5-Trimethylbenzene		43	J	280	ug/Kg	8260B
m-Xylene & p-Xylene		23	J	550	ug/Kg	8260B
Naphthalene		820	B	280	ug/Kg	8260B
o-Xylene		16	J	280	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		8.6	J	12	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		1100		210	mg/Kg	WI-DRO
Lead		4.5		0.34	mg/Kg	6010B
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-3401-2	**ASB-140_6-8(20110829)**					
WI Diesel Range Organics (C10-C28)		8.0	J	10	mg/Kg	WI-DRO
Lead		2.6		0.35	mg/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-3401-3FB	**MB-00420110830**					
m-Xylene & p-Xylene		6.5	J	500	ug/Kg	8260B
Naphthalene		8.6	J B	250	ug/Kg	8260B
Toluene		43	J	250	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
WI-GRO WI-GRO	Roach, Carolynne	CR
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3401-1	ASB-139_6-8(20110829)	Solid	08/29/2011 1715	08/31/2011 0915
240-3401-2	ASB-140_6-8(20110829)	Solid	08/30/2011 0845	08/31/2011 0915
240-3401-3FB	MB-00420110830	Solid	08/30/2011 0000	08/31/2011 0915

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-139_6-8(20110829)**

Lab Sample ID: 240-3401-1 Date Sampled: 08/29/2011 1715
Client Matrix: Solid % Moisture: 20.8 Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140670.D
Dilution:	1.0			Initial Weight/Volume:	28.65 g
Analysis Date:	09/06/2011 1618			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		23	280
1,1,2,2-Tetrachloroethane		ND		9.8	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		23	280
1,2,4-Trichlorobenzene		ND		8.0	280
1,2,4-Trimethylbenzene		150	J	5.5	280
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.5	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.0	280
1,3,5-Trimethylbenzene		43	J	6.4	280
1,3-Dichlorobenzene		ND		5.3	280
1,3-Dichloropropane		ND		24	280
1,4-Dichlorobenzene		ND		8.8	280
2,2-Dichloropropane		ND		25	280
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.9	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	550
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		14	280
Bromochloromethane		ND		14	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.0	280
Chlorobenzene		ND		7.0	280
Chloroethane		ND		67	280
Chloroform		ND		9.7	280
Chloromethane		ND		15	280
cis-1,2-Dichloroethene		ND		7.6	280
cis-1,3-Dichloropropene		ND		8.7	280
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		15	280

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-139_6-8(20110829)**

Lab Sample ID: 240-3401-1 Date Sampled: 08/29/2011 1715
Client Matrix: Solid % Moisture: 20.8 Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140670.D
Dilution:	1.0			Initial Weight/Volume:	28.65 g
Analysis Date:	09/06/2011 1618			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	550
Ethyl ether		ND		17	550
Ethylbenzene		ND		5.9	280
Hexachlorobutadiene		ND		15	280
Isopropylbenzene		ND		7.2	280
Methyl acetate		ND		28	550
Methyl tert butyl ether		ND		7.8	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		85	280
m-Xylene & p-Xylene		23	J	6.8	550
Naphthalene		820	B	7.4	280
n-Butylbenzene		ND		8.8	280
N-Propylbenzene		ND		15	280
o-Xylene		16	J	9.4	280
p-Isopropyltoluene		ND		5.3	280
sec-Butylbenzene		ND		5.2	280
Styrene		ND		6.2	280
tert-Butylbenzene		ND		7.2	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		39 - 128
4-Bromofluorobenzene (Surr)	78		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	79		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-140_6-8(20110829)**

Lab Sample ID: 240-3401-2 Date Sampled: 08/30/2011 0845
Client Matrix: Solid % Moisture: 15.7 Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140669.D
Dilution:	1.0			Initial Weight/Volume:	25.88 g
Analysis Date:	09/06/2011 1557			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		19	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		11	290
1,2,3-Trichlorobenzene		ND		11	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.4	290
1,2,4-Trimethylbenzene		ND		5.7	290
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	290
1,2-Dichlorobenzene		ND		9.9	290
1,2-Dichloroethane		ND		11	290
1,2-Dichloropropane		ND		9.4	290
1,3,5-Trimethylbenzene		ND		6.6	290
1,3-Dichlorobenzene		ND		5.5	290
1,3-Dichloropropane		ND		25	290
1,4-Dichlorobenzene		ND		9.2	290
2,2-Dichloropropane		ND		26	290
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1100
Allyl chloride		ND		61	570
4-Chlorotoluene		ND		11	290
4-Methyl-2-pentanone (MIBK)		ND		55	1100
Acetone		ND		190	1100
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		11	290
Bromoform		ND		22	290
Bromomethane		ND		33	290
Carbon disulfide		ND		14	290
Carbon tetrachloride		ND		7.3	290
Chlorobenzene		ND		7.3	290
Chloroethane		ND		70	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		7.9	290
cis-1,3-Dichloropropene		ND		9.1	290
Cyclohexane		ND		46	570
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-140_6-8(20110829)**

Lab Sample ID: 240-3401-2 Date Sampled: 08/30/2011 0845
Client Matrix: Solid % Moisture: 15.7 Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140669.D
Dilution:	1.0			Initial Weight/Volume:	25.88 g
Analysis Date:	09/06/2011 1557			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	290
Dichlorofluoromethane		ND		29	570
Ethyl ether		ND		17	570
Ethylbenzene		ND		6.2	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.5	290
Methyl acetate		ND		29	570
Methyl tert butyl ether		ND		8.1	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		88	290
m-Xylene & p-Xylene		ND		7.1	570
Naphthalene		ND		7.7	290
n-Butylbenzene		ND		9.2	290
N-Propylbenzene		ND		16	290
o-Xylene		ND		9.7	290
p-Isopropyltoluene		ND		5.5	290
sec-Butylbenzene		ND		5.4	290
Styrene		ND		6.4	290
tert-Butylbenzene		ND		7.5	290
Tetrachloroethene		ND		14	290
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		18	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		39 - 128
4-Bromofluorobenzene (Surr)	83		26 - 141
Dibromofluoromethane (Surr)	72		30 - 122
Toluene-d8 (Surr)	85		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **MB-00420110830**

Lab Sample ID: 240-3401-3FB Date Sampled: 08/30/2011 0000
Client Matrix: Solid Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140668.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1535			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **MB-00420110830**

Lab Sample ID: 240-3401-3FB Date Sampled: 08/30/2011 0000
Client Matrix: Solid Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140668.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1535			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		6.5	J	6.2	500
Naphthalene		8.6	J B	6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		43	J	17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		39 - 128
4-Bromofluorobenzene (Surr)	95		26 - 141
Dibromofluoromethane (Surr)	83		30 - 122
Toluene-d8 (Surr)	98		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-139_6-8(20110829)**

Lab Sample ID: 240-3401-1 Date Sampled: 08/29/2011 1715
Client Matrix: Solid % Moisture: 20.8 Date Received: 08/31/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-15002	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF091207.D
Dilution:	1.0			Initial Weight/Volume:	25.61 g
Analysis Date:	09/12/2011 2001			Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		8.6	J	0.39	12

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-140_6-8(20110829)**

Lab Sample ID: 240-3401-2 Date Sampled: 08/30/2011 0845
Client Matrix: Solid % Moisture: 15.7 Date Received: 08/31/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-15002	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF091208.D
Dilution:	1.0			Initial Weight/Volume:	25.76 g
Analysis Date:	09/12/2011 2039			Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.37	12

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-139_6-8(20110829)**

Lab Sample ID: 240-3401-1 Date Sampled: 08/29/2011 1715
Client Matrix: Solid % Moisture: 20.8 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90916.D
Dilution:	20			Initial Weight/Volume:	28.97 g
Analysis Date:	09/09/2011 1537			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		1100		26	210

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-140_6-8(20110829)**

Lab Sample ID: 240-3401-2 Date Sampled: 08/30/2011 0845
Client Matrix: Solid % Moisture: 15.7 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90913.D
Dilution:	1.0			Initial Weight/Volume:	28.58 g
Analysis Date:	09/09/2011 1410			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		8.0	J	1.2	10

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-139_6-8(20110829)**

Lab Sample ID: 240-3401-1 Date Sampled: 08/29/2011 1715
Client Matrix: Solid % Moisture: 20.8 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	09/02/2011 1526			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		4.5		0.21	0.34

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Client Sample ID: **ASB-140_6-8(20110829)**

Lab Sample ID: 240-3401-2 Date Sampled: 08/30/2011 0845
Client Matrix: Solid % Moisture: 15.7 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	09/02/2011 1532			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		2.6		0.22	0.35

General Chemistry

Client Sample ID: **ASB-139_6-8(20110829)**

Lab Sample ID: 240-3401-1 Date Sampled: 08/29/2011 1715

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-140_6-8(20110829)**

Lab Sample ID: 240-3401-2 Date Sampled: 08/30/2011 0845

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14142					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14142/1-A	Method Blank	T	Solid	5035	
240-3401-1	ASB-139_6-8(20110829)	T	Solid	5035	
240-3401-2	ASB-140_6-8(20110829)	T	Solid	5035	
240-3401-3FB	MB-00420110830	T	Solid	5035	
Analysis Batch:240-14409					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	8260B	240-14142
MB 240-14142/1-A	Method Blank	T	Solid	8260B	240-14142
240-3401-1	ASB-139_6-8(20110829)	T	Solid	8260B	240-14142
240-3401-2	ASB-140_6-8(20110829)	T	Solid	8260B	240-14142
240-3401-3FB	MB-00420110830	T	Solid	8260B	240-14142

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-14601					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14601/1-A	Method Blank	T	Solid	5035	
240-3401-1	ASB-139_6-8(20110829)	T	Solid	5035	
240-3401-2	ASB-140_6-8(20110829)	T	Solid	5035	
Analysis Batch:240-14761					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14601
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14601
MB 240-14601/1-A	Method Blank	T	Solid	WI-GRO	240-14601
Analysis Batch:240-15002					
240-3401-1	ASB-139_6-8(20110829)	T	Solid	WI-GRO	240-14601
240-3401-2	ASB-140_6-8(20110829)	T	Solid	WI-GRO	240-14601

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14012					
LCS 240-14012/14-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14012/15-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14012/16-A	Method Blank	T	Solid	WI DRO PREP	
240-3401-1	ASB-139_6-8(20110829)	T	Solid	WI DRO PREP	
240-3401-2	ASB-140_6-8(20110829)	T	Solid	WI DRO PREP	
Analysis Batch:240-14373					
LCS 240-14012/14-A	Lab Control Sample	T	Solid	WI-DRO	240-14012
LCSD 240-14012/15-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14012
MB 240-14012/16-A	Method Blank	T	Solid	WI-DRO	240-14012
Analysis Batch:240-14769					
240-3401-1	ASB-139_6-8(20110829)	T	Solid	WI-DRO	240-14012
240-3401-2	ASB-140_6-8(20110829)	T	Solid	WI-DRO	240-14012

Report Basis
T = Total

Metals					
Prep Batch: 240-14055					
LCS 240-14055/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-14055/1-A	Method Blank	T	Solid	3050B	
240-3396-D-5-B MS	Matrix Spike	T	Solid	3050B	
240-3396-D-5-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3401-1	ASB-139_6-8(20110829)	T	Solid	3050B	
240-3401-2	ASB-140_6-8(20110829)	T	Solid	3050B	
Analysis Batch:240-14355					
LCS 240-14055/2-A	Lab Control Sample	T	Solid	6010B	240-14055
MB 240-14055/1-A	Method Blank	T	Solid	6010B	240-14055
240-3396-D-5-B MS	Matrix Spike	T	Solid	6010B	240-14055
240-3396-D-5-C MSD	Matrix Spike Duplicate	T	Solid	6010B	240-14055
240-3401-1	ASB-139_6-8(20110829)	T	Solid	6010B	240-14055
240-3401-2	ASB-140_6-8(20110829)	T	Solid	6010B	240-14055

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14036					
240-3401-1	ASB-139_6-8(20110829)	T	Solid	Moisture	
240-3401-2	ASB-140_6-8(20110829)	T	Solid	Moisture	
240-3402-A-4 DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3401-1	ASB-139_6-8(20110829)	79	78	69	79
240-3401-2	ASB-140_6-8(20110829)	82	83	72	85
240-3401-3	MB-00420110830	98	95	83	98
MB 240-14142/1-A		89	89	75	92
LCS 240-14142/2-A		90	94	83	93

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Method Blank - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Method Blank - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	10.6	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	89	26 - 141
Dibromofluoromethane (Surr)	75	30 - 122
Toluene-d8 (Surr)	92	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Lab Control Sample - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	420	84	27 - 121	
1,1,1-Trichloroethane	500	426	85	38 - 122	
1,1,2,2-Tetrachloroethane	500	590	118	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	462	92	48 - 151	
1,1,2-Trichloroethane	500	540	108	74 - 114	
1,1-Dichloroethane	500	470	94	63 - 117	
1,1-Dichloroethene	500	476	95	44 - 143	
1,1-Dichloropropene	500	498	100	60 - 123	
1,2,3-Trichlorobenzene	500	468	94	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	452	90	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	469	94	10 - 129	J
1,2-Dibromoethane	500	525	105	47 - 123	
1,2-Dichlorobenzene	500	498	100	68 - 118	
1,2-Dichloroethane	500	485	97	68 - 119	
1,2-Dichloropropane	500	500	100	73 - 113	
1,3,5-Trimethylbenzene	500	492	98	60 - 130	
1,3-Dichlorobenzene	500	505	101	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	493	99	65 - 119	
2,2-Dichloropropane	500	376	75	25 - 123	
2-Butanone (MEK)	1000	1080	108	10 - 199	
2-Chlorotoluene	500	515	103	68 - 122	
2-Hexanone	1000	1280	128	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1180	118	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	500	100	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	489	98	56 - 128	
Bromodichloromethane	500	394	79	28 - 123	
Bromoform	500	498	100	10 - 117	
Bromomethane	500	309	62	10 - 114	
Carbon disulfide	500	327	65	10 - 132	
Carbon tetrachloride	500	387	77	29 - 118	
Chlorobenzene	500	490	98	71 - 116	
Chloroethane	500	422	84	10 - 120	
Chloroform	500	463	93	63 - 116	
Chloromethane	500	400	80	25 - 110	
cis-1,2-Dichloroethene	500	472	94	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Lab Control Sample - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	409	82	25 - 120	
Cyclohexane	500	470	94	40 - 120	J
Chlorodibromomethane	500	383	77	22 - 113	
Dibromomethane	500	520	104	68 - 118	
Dichlorodifluoromethane	500	314	63	10 - 110	
Ethyl ether	500	415	83	70 - 130	J
Ethylbenzene	500	489	98	66 - 119	
Hexachlorobutadiene	500	450	90	34 - 135	
Isopropylbenzene	500	481	96	61 - 123	
Methyl acetate	500	540	108	44 - 173	
Methyl tert butyl ether	500	505	101	34 - 157	J
Methylcyclohexane	500	468	94	41 - 133	J
Methylene Chloride	500	423	85	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	500	100	37 - 126	
n-Butylbenzene	500	489	98	51 - 137	
N-Propylbenzene	500	540	108	64 - 130	
o-Xylene	500	505	101	68 - 120	
p-Isopropyltoluene	500	491	98	56 - 136	
sec-Butylbenzene	500	490	98	58 - 131	
Styrene	500	456	91	60 - 120	
tert-Butylbenzene	500	500	100	58 - 128	
Tetrachloroethene	500	520	104	58 - 131	
Tetrahydrofuran	500	590	118	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	453	91	58 - 121	
trans-1,3-Dichloropropene	500	425	85	22 - 122	
Trichloroethene	500	493	99	59 - 124	
Trichlorofluoromethane	500	332	66	17 - 145	
Vinyl chloride	500	417	83	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Dibromofluoromethane (Surr)	83	30 - 122
Toluene-d8 (Surr)	93	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Method Blank - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-14601/1-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1214	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14601/2-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1254	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14601/3-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/10/2011 0045	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	82	83	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Method Blank - Batch: 240-14012

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14012/16-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90622.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1916	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	2.19	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14012

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14012/14-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90623.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1945	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14012/15-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/07/2011 0227	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	96	97	70 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Method Blank - Batch: 240-14055

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-14055/1-A	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/02/2011 1429	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Lead	ND		0.19	0.30

Lab Control Sample - Batch: 240-14055

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-14055/2-A	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/02/2011 1435	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	50.0	49.5	99	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14055

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3396-D-5-B MS	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1503			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3396-D-5-C MSD	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1509			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	101	96	75 - 125	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3401-1

Duplicate - Batch: 240-14036

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3402-A-4 DU	Analysis Batch:	240-14036	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/01/2011 0928	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	83	82	0.5	20	
Percent Moisture	17	18	2	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3401-1

Login Number: 3401

List Source: TestAmerica North Canton

List Number: 1

Creator: Burns, Terry

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

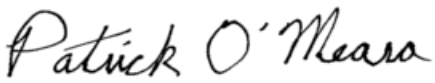
ANALYTICAL REPORT

Job Number: 240-3402-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/26/2011 10:54 AM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/26/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3402-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/31/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-144_2-4(20110830) (240-3402-5) and MB-005(20110830) (240-3402-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/06/2011.

Naphthalene was detected in method blank MB 240-14142/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14142 for these samplesASB-144_2-4(20110830) (240-3402-5), MB-005(20110830) (240-3402-6).

The samples were preserved as frozen encores in the Pittsburgh lab, and they were shipped to the North Canton lab for analysis. The samples thawed in transit. The samples were re-frozen in North Canton, and the re-freeze date and time was entered as the sample preservation date. The re-freeze date was past the preservation holding time, so the samples have been flagged for a holding-time violation.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-141_2-4(20110830) (240-3402-1), ASB-141_6-8(20110830) (240-3402-2), ASB-142_2-4(20110830) (240-3402-3), ASB-143_1-3(20110830) (240-3402-4) and ASB-144_2-4(20110830) (240-3402-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/07/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Several analytes failed the recovery criteria low for the MS of sample 240-3335-11 in batch 240-14495. 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Caprolactam and N-Nitrosodiphenylamine failed the recovery criteria low for the MSD of sample 240-3335-11 in batch 240-14495. Several analytes exceeded the rpd limit. Refer to the QC report for details.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB-144_2-4(20110830) (240-3402-5) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/08/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-144_2-4(20110830) (240-3402-5), DUH1350-06 (240-3424-6), DUH1350-06 (240-3424-6 MS), and DUH1350-06 (240-3424-6 MSD).

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-141_2-4(20110830) (240-3402-1), ASB-141_6-8(20110830) (240-3402-2), ASB-142_2-4(20110830) (240-3402-3), ASB-143_1-3(20110830) (240-3402-4) and ASB-144_2-4(20110830) (240-3402-5) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/07/2011 and 09/09/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14012/16-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Insufficient sample was available to perform a matrix spike / matrix spike duplicate (MS/MSD) for batch 14012.

The continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. ASB-141_6-8(20110830) (240-3402-2), ASB-142_2-4(20110830) (240-3402-3), ASB-144_2-4(20110830) (240-3402-5)

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-141_2-4(20110830) (240-3402-1), ASB-141_6-8(20110830) (240-3402-2), ASB-142_2-4(20110830) (240-3402-3), ASB-143_1-3(20110830) (240-3402-4) and ASB-144_2-4(20110830) (240-3402-5) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/02/2011.

Barium was detected in method blank MB 240-14055/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

A Continuing Calibration Blank (CCB) associated with ASB-144_2-4(20110830) (240-3402-5) was greater than or equal to the requested reporting limit for silver. Since the sample result was below the requested reporting limit the result was accepted.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-141_2-4(20110830) (240-3402-1), ASB-141_6-8(20110830) (240-3402-2), ASB-142_2-4(20110830) (240-3402-3), ASB-143_1-3(20110830) (240-3402-4) and ASB-144_2-4(20110830) (240-3402-5) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/02/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-141_2-4(20110830) (240-3402-1), ASB-141_6-8(20110830) (240-3402-2), ASB-142_2-4(20110830) (240-3402-3), ASB-143_1-3(20110830) (240-3402-4) and ASB-144_2-4(20110830) (240-3402-5) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/01/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3402-1	**ASB-141_2-4(20110830)**					
WI Diesel Range Organics (C10-C28)		12	B	12	mg/Kg	WI-DRO
Barium		21	J B	26	mg/Kg	6010B
Chromium		16		0.65	mg/Kg	6010B
Arsenic		3.8		1.3	mg/Kg	6010B
Lead		2.9		0.39	mg/Kg	6010B
Percent Solids		75		0.10	%	Moisture
Percent Moisture		25		0.10	%	Moisture
240-3402-2	**ASB-141_6-8(20110830)**					
WI Diesel Range Organics (C10-C28)		2.7	J B	11	mg/Kg	WI-DRO
Barium		39	B	21	mg/Kg	6010B
Chromium		24		0.52	mg/Kg	6010B
Arsenic		7.5		1.0	mg/Kg	6010B
Lead		4.1		0.31	mg/Kg	6010B
Mercury		0.035	J	0.088	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-3402-3	**ASB-142_2-4(20110830)**					
WI Diesel Range Organics (C10-C28)		3.5	J B	11	mg/Kg	WI-DRO
Barium		16	J B	22	mg/Kg	6010B
Chromium		14		0.55	mg/Kg	6010B
Arsenic		3.0		1.1	mg/Kg	6010B
Lead		3.0		0.33	mg/Kg	6010B
Mercury		0.019	J	0.089	mg/Kg	7471A
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-3402-4	**ASB-143_1-3(20110830)**					
WI Diesel Range Organics (C10-C28)		7.9	J B	10	mg/Kg	WI-DRO
Barium		23	B	21	mg/Kg	6010B
Chromium		12		0.53	mg/Kg	6010B
Arsenic		2.1		1.1	mg/Kg	6010B
Lead		3.1		0.32	mg/Kg	6010B
Mercury		0.014	J	0.095	mg/Kg	7471A
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3402-5	**ASB-144_2-4(20110830)**					
Methyl acetate		31	J	550	ug/Kg	8260B
Naphthalene		17	J B	280	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		3.8	J B	9.3	mg/Kg	WI-DRO
Barium		120	B	19	mg/Kg	6010B
Cadmium		0.28		0.19	mg/Kg	6010B
Chromium		9.1		0.48	mg/Kg	6010B
Arsenic		7.6		0.96	mg/Kg	6010B
Lead		4.8		0.29	mg/Kg	6010B
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.2		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Hula, Tom	TH
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3402-1	ASB-141_2-4(20110830)	Solid	08/30/2011 1000	08/31/2011 0915
240-3402-2	ASB-141_6-8(20110830)	Solid	08/30/2011 1015	08/31/2011 0915
240-3402-3	ASB-142_2-4(20110830)	Solid	08/30/2011 1115	08/31/2011 0915
240-3402-4	ASB-143_1-3(20110830)	Solid	08/30/2011 1155	08/31/2011 0915
240-3402-5	ASB-144_2-4(20110830)	Solid	08/30/2011 1415	08/31/2011 0915
240-3402-6FB	MB-005(20110830)	Solid	08/30/2011 0000	08/31/2011 0915

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140672.D
Dilution:	1.0			Initial Weight/Volume:	24.81 g
Analysis Date:	09/06/2011 1701			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		23	280
1,1,2,2-Tetrachloroethane		ND		9.9	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		23	280
1,2,4-Trichlorobenzene		ND		8.1	280
1,2,4-Trimethylbenzene		ND		5.5	280
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.5	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.1	280
1,3,5-Trimethylbenzene		ND		6.4	280
1,3-Dichlorobenzene		ND		5.3	280
1,3-Dichloropropane		ND		24	280
1,4-Dichlorobenzene		ND		8.9	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	550
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		14	280
Bromochloromethane		ND		14	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.1	280
Chlorobenzene		ND		7.1	280
Chloroethane		ND		68	280
Chloroform		ND		9.8	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.8	280
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140672.D
Dilution:	1.0			Initial Weight/Volume:	24.81 g
Analysis Date:	09/06/2011 1701			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	550
Ethyl ether		ND		17	550
Ethylbenzene		ND		6.0	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.2	280
Methyl acetate		31	J	28	550
Methyl tert butyl ether		ND		7.9	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		85	280
m-Xylene & p-Xylene		ND		6.9	550
Naphthalene		17	J B	7.4	280
n-Butylbenzene		ND		8.9	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.4	280
p-Isopropyltoluene		ND		5.3	280
sec-Butylbenzene		ND		5.2	280
Styrene		ND		6.2	280
tert-Butylbenzene		ND		7.2	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		39 - 128
4-Bromofluorobenzene (Surr)	98		26 - 141
Dibromofluoromethane (Surr)	84		30 - 122
Toluene-d8 (Surr)	97		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **MB-005(20110830)**

Lab Sample ID: 240-3402-6FB Date Sampled: 08/30/2011 0000
Client Matrix: Solid Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140671.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1639			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **MB-005(20110830)**

Lab Sample ID: 240-3402-6FB Date Sampled: 08/30/2011 0000
Client Matrix: Solid Date Received: 08/31/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140671.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1639			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		39 - 128
4-Bromofluorobenzene (Surr)	104		26 - 141
Dibromofluoromethane (Surr)	91		30 - 122
Toluene-d8 (Surr)	107		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-141_2-4(20110830)**

Lab Sample ID: 240-3402-1 Date Sampled: 08/30/2011 1000
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/31/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907008.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 1617			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.4	440
Acenaphthene		ND		4.4	440
Acenaphthylene		ND		4.4	440
Anthracene		ND		4.4	440
Benzo[a]anthracene		ND		4.4	440
Benzo[a]pyrene		ND		4.4	440
Benzo[b]fluoranthene		ND		4.4	440
Benzo[g,h,i]perylene		ND		4.4	440
Benzo[k]fluoranthene		ND		4.4	440
Chrysene		ND		1.5	440
Dibenz(a,h)anthracene		ND		4.4	440
Fluoranthene		ND		4.4	440
Fluorene		ND		4.4	440
Indeno[1,2,3-cd]pyrene		ND		4.4	440
Naphthalene		ND		4.4	440
Phenanthrene		ND		4.4	440
Pyrene		ND		4.4	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42		10 - 118
2-Fluorobiphenyl (Surr)	40		34 - 110
2-Fluorophenol (Surr)	50		26 - 110
Nitrobenzene-d5 (Surr)	41		24 - 112
Phenol-d5 (Surr)	48		28 - 110
Terphenyl-d14 (Surr)	62		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-141_6-8(20110830)**

Lab Sample ID: 240-3402-2 Date Sampled: 08/30/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 08/31/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907007.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/07/2011 1600			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.1	410
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Anthracene		ND		4.1	410
Benzo[a]anthracene		ND		4.1	410
Benzo[a]pyrene		ND		4.1	410
Benzo[b]fluoranthene		ND		4.1	410
Benzo[g,h,i]perylene		ND		4.1	410
Benzo[k]fluoranthene		ND		4.1	410
Chrysene		ND		1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Fluoranthene		ND		4.1	410
Fluorene		ND		4.1	410
Indeno[1,2,3-cd]pyrene		ND		4.1	410
Naphthalene		ND		4.1	410
Phenanthrene		ND		4.1	410
Pyrene		ND		4.1	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	53		10 - 118
2-Fluorobiphenyl (Surr)	56		34 - 110
2-Fluorophenol (Surr)	71		26 - 110
Nitrobenzene-d5 (Surr)	56		24 - 112
Phenol-d5 (Surr)	69		28 - 110
Terphenyl-d14 (Surr)	71		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-142_2-4(20110830)**

Lab Sample ID: 240-3402-3 Date Sampled: 08/30/2011 1115
Client Matrix: Solid % Moisture: 20.3 Date Received: 08/31/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907010.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 1650			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.1	410
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Anthracene		ND		4.1	410
Benzo[a]anthracene		ND		4.1	410
Benzo[a]pyrene		ND		4.1	410
Benzo[b]fluoranthene		ND		4.1	410
Benzo[g,h,i]perylene		ND		4.1	410
Benzo[k]fluoranthene		ND		4.1	410
Chrysene		ND		1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Fluoranthene		ND		4.1	410
Fluorene		ND		4.1	410
Indeno[1,2,3-cd]pyrene		ND		4.1	410
Naphthalene		ND		4.1	410
Phenanthrene		ND		4.1	410
Pyrene		ND		4.1	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43		10 - 118
2-Fluorobiphenyl (Surr)	49		34 - 110
2-Fluorophenol (Surr)	57		26 - 110
Nitrobenzene-d5 (Surr)	50		24 - 112
Phenol-d5 (Surr)	55		28 - 110
Terphenyl-d14 (Surr)	66		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-143_1-3(20110830)**

Lab Sample ID: 240-3402-4 Date Sampled: 08/30/2011 1155
Client Matrix: Solid % Moisture: 17.3 Date Received: 08/31/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907009.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 1633			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.0	400
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Anthracene		ND		4.0	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Fluoranthene		ND		4.0	400
Fluorene		ND		4.0	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Naphthalene		ND		4.0	400
Phenanthrene		ND		4.0	400
Pyrene		ND		4.0	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	39		10 - 118
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
Nitrobenzene-d5 (Surr)	51		24 - 112
Phenol-d5 (Surr)	59		28 - 110
Terphenyl-d14 (Surr)	70		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907006.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 1543			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	360
2,2'-oxybis[1-chloropropane]		ND		10	360
2,4,5-Trichlorophenol		ND		28	360
2,4,6-Trichlorophenol		ND		88	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND		88	1800
2,4-Dinitrotoluene		ND		30	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		30	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		88	360
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	360
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		88	1800
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		19	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		88	1800
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Acetophenone		ND		10	360
Anthracene		ND		3.6	360
Atrazine		ND		10	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		ND		21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		41	360
Carbazole		ND		30	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		18	360
Dimethyl phthalate		ND		19	360

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14178	Lab File ID:	0907006.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 1543			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	360
Di-n-octyl phthalate		ND		30	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		30	360
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		9.9	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Isophorone		ND		14	360
Naphthalene		ND		3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		30	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		88	360
Phenol		ND		30	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	37		34 - 110
2-Fluorophenol (Surr)	39		26 - 110
2,4,6-Tribromophenol (Surr)	38		10 - 118
Nitrobenzene-d5 (Surr)	35		24 - 112
Phenol-d5 (Surr)	39		28 - 110
Terphenyl-d14 (Surr)	64		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14581	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-14295	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 0918			Injection Volume:	1 mL
Prep Date:	09/03/2011 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	36
Aroclor-1221		ND		18	36
Aroclor-1232		ND		15	36
Aroclor-1242		ND		14	36
Aroclor-1248		ND		19	36
Aroclor-1254		ND		19	36
Aroclor-1260		ND		19	36

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		29 - 151
DCB Decachlorobiphenyl	85		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-141_2-4(20110830)**

Lab Sample ID: 240-3402-1 Date Sampled: 08/30/2011 1000
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90914.D
Dilution:	1.0			Initial Weight/Volume:	27.46 g
Analysis Date:	09/09/2011 1439			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		12	B	1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-141_6-8(20110830)**

Lab Sample ID: 240-3402-2 Date Sampled: 08/30/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90632.D
Dilution:	1.0			Initial Weight/Volume:	28.71 g
Analysis Date:	09/07/2011 0004			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.7	J B	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-142_2-4(20110830)**

Lab Sample ID: 240-3402-3 Date Sampled: 08/30/2011 1115
Client Matrix: Solid % Moisture: 20.3 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90633.D
Dilution:	1.0			Initial Weight/Volume:	28.28 g
Analysis Date:	09/07/2011 0033			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.5	J B	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-143_1-3(20110830)**

Lab Sample ID: 240-3402-4 Date Sampled: 08/30/2011 1155
Client Matrix: Solid % Moisture: 17.3 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14769	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90915.D
Dilution:	1.0			Initial Weight/Volume:	27.76 g
Analysis Date:	09/09/2011 1508			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		7.9	J B	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14012	Lab File ID:	P6F90635.D
Dilution:	1.0			Initial Weight/Volume:	28.27 g
Analysis Date:	09/07/2011 0130			Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.8	J B	1.2	9.3

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-141_2-4(20110830)**

Lab Sample ID: 240-3402-1 Date Sampled: 08/30/2011 1000
Client Matrix: Solid % Moisture: 25.0 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1537			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		21	J B	0.092	26
Cadmium		ND		0.047	0.26
Chromium		16		0.26	0.65
Silver		ND		0.13	0.65
Arsenic		3.8		0.39	1.3
Lead		2.9		0.25	0.39
Selenium		ND		0.58	0.65

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	09/02/2011 1604			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.019	0.13

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-141_6-8(20110830)**

Lab Sample ID: 240-3402-2 Date Sampled: 08/30/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.20 g
Analysis Date:	09/02/2011 1543			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		39	B	0.074	21
Cadmium		ND		0.038	0.21
Chromium		24		0.21	0.52
Silver		ND		0.10	0.52
Arsenic		7.5		0.31	1.0
Lead		4.1		0.20	0.31
Selenium		ND	L	0.47	0.52

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.86 g
Analysis Date:	09/02/2011 1606			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.035	J	0.013	0.088

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-142_2-4(20110830)**

Lab Sample ID: 240-3402-3 Date Sampled: 08/30/2011 1115
Client Matrix: Solid % Moisture: 20.3 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	09/02/2011 1548			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		16	J B	0.077	22
Cadmium		ND		0.039	0.22
Chromium		14		0.22	0.55
Silver		ND		0.11	0.55
Arsenic		3.0		0.33	1.1
Lead		3.0		0.21	0.33
Selenium		ND	L	0.49	0.55

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.85 g
Analysis Date:	09/02/2011 1607			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.013	0.089

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-143_1-3(20110830)**

Lab Sample ID: 240-3402-4 Date Sampled: 08/30/2011 1155
Client Matrix: Solid % Moisture: 17.3 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.13 g
Analysis Date:	09/02/2011 1554			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		23	B	0.076	21
Cadmium		ND		0.039	0.21
Chromium		12		0.21	0.53
Silver		ND		0.11	0.53
Arsenic		2.1		0.32	1.1
Lead		3.1		0.20	0.32
Selenium		ND	L	0.48	0.53

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.76 g
Analysis Date:	09/02/2011 1608			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	J	0.014	0.095

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/31/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14355	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	09/02/2011 1611			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		120	B	0.068	19
Cadmium		0.28		0.034	0.19
Chromium		9.1		0.19	0.48
Silver		ND		0.096	0.48
Arsenic		7.6		0.29	0.96
Lead		4.8		0.18	0.29
Selenium		ND		0.43	0.48

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14241	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.77 g
Analysis Date:	09/02/2011 1610			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.013	0.086

General Chemistry

Client Sample ID: **ASB-141_2-4(20110830)**

Lab Sample ID: 240-3402-1 Date Sampled: 08/30/2011 1000

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-141_6-8(20110830)**

Lab Sample ID: 240-3402-2 Date Sampled: 08/30/2011 1015

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-142_2-4(20110830)**

Lab Sample ID: 240-3402-3 Date Sampled: 08/30/2011 1115

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-143_1-3(20110830)**

Lab Sample ID: 240-3402-4 Date Sampled: 08/30/2011 1155

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-144_2-4(20110830)**

Lab Sample ID: 240-3402-5 Date Sampled: 08/30/2011 1415

Client Matrix: Solid Date Received: 08/31/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N
Percent Moisture	9.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14036	Analysis Date: 09/01/2011 0928						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	L	A negative instrument reading had an absolute value greater than the reporting limit
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14142					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14142/1-A	Method Blank	T	Solid	5035	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	5035	
240-3402-6FB	MB-005(20110830)	T	Solid	5035	
Analysis Batch:240-14409					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	8260B	240-14142
MB 240-14142/1-A	Method Blank	T	Solid	8260B	240-14142
240-3402-5	ASB-144_2-4(20110830)	T	Solid	8260B	240-14142
240-3402-6FB	MB-005(20110830)	T	Solid	8260B	240-14142

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-14178					
LCS 240-14178/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-14178/21-A	Method Blank	T	Solid	3540C	
240-3335-M-11-B MS	Matrix Spike	T	Solid	3540C	
240-3335-M-11-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3402-1	ASB-141_2-4(20110830)	T	Solid	3540C	
240-3402-2	ASB-141_6-8(20110830)	T	Solid	3540C	
240-3402-3	ASB-142_2-4(20110830)	T	Solid	3540C	
240-3402-4	ASB-143_1-3(20110830)	T	Solid	3540C	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	3540C	
Analysis Batch:240-14495					
MB 240-14178/21-A	Method Blank	T	Solid	8270C	240-14178
240-3335-M-11-B MS	Matrix Spike	T	Solid	8270C	240-14178
240-3335-M-11-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14178
240-3402-1	ASB-141_2-4(20110830)	T	Solid	8270C	240-14178
240-3402-2	ASB-141_6-8(20110830)	T	Solid	8270C	240-14178
240-3402-3	ASB-142_2-4(20110830)	T	Solid	8270C	240-14178
240-3402-4	ASB-143_1-3(20110830)	T	Solid	8270C	240-14178
240-3402-5	ASB-144_2-4(20110830)	T	Solid	8270C	240-14178
Analysis Batch:240-14947					
LCS 240-14178/22-A	Lab Control Sample	T	Solid	8270C	240-14178

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14012					
LCS 240-14012/14-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14012/15-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14012/16-A	Method Blank	T	Solid	WI DRO PREP	
240-3402-1	ASB-141_2-4(20110830)	T	Solid	WI DRO PREP	
240-3402-2	ASB-141_6-8(20110830)	T	Solid	WI DRO PREP	
240-3402-3	ASB-142_2-4(20110830)	T	Solid	WI DRO PREP	
240-3402-4	ASB-143_1-3(20110830)	T	Solid	WI DRO PREP	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	WI DRO PREP	
Prep Batch: 240-14295					
LCS 240-14295/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-14295/21-A	Method Blank	T	Solid	3540C	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	3540C	
240-3424-D-6-B MS	Matrix Spike	T	Solid	3540C	
240-3424-D-6-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-14373					
LCS 240-14012/14-A	Lab Control Sample	T	Solid	WI-DRO	240-14012
LCSD 240-14012/15-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14012
MB 240-14012/16-A	Method Blank	T	Solid	WI-DRO	240-14012
240-3402-2	ASB-141_6-8(20110830)	T	Solid	WI-DRO	240-14012
240-3402-3	ASB-142_2-4(20110830)	T	Solid	WI-DRO	240-14012
240-3402-5	ASB-144_2-4(20110830)	T	Solid	WI-DRO	240-14012
Analysis Batch:240-14579					
LCS 240-14295/22-A	Lab Control Sample	T	Solid	8082	240-14295
Analysis Batch:240-14581					
MB 240-14295/21-A	Method Blank	T	Solid	8082	240-14295
240-3402-5	ASB-144_2-4(20110830)	T	Solid	8082	240-14295
240-3424-D-6-B MS	Matrix Spike	T	Solid	8082	240-14295
240-3424-D-6-C MSD	Matrix Spike Duplicate	T	Solid	8082	240-14295
Analysis Batch:240-14769					
240-3402-1	ASB-141_2-4(20110830)	T	Solid	WI-DRO	240-14012
240-3402-4	ASB-143_1-3(20110830)	T	Solid	WI-DRO	240-14012

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-14055					
LCS 240-14055/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-14055/1-A	Method Blank	T	Solid	3050B	
240-3396-D-5-B MS	Matrix Spike	T	Solid	3050B	
240-3396-D-5-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3402-1	ASB-141_2-4(20110830)	T	Solid	3050B	
240-3402-2	ASB-141_6-8(20110830)	T	Solid	3050B	
240-3402-3	ASB-142_2-4(20110830)	T	Solid	3050B	
240-3402-4	ASB-143_1-3(20110830)	T	Solid	3050B	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	3050B	
Prep Batch: 240-14061					
LCS 240-14061/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-14061/1-A	Method Blank	T	Solid	7471A	
240-3396-D-5-E MS	Matrix Spike	T	Solid	7471A	
240-3396-D-5-F MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3402-1	ASB-141_2-4(20110830)	T	Solid	7471A	
240-3402-2	ASB-141_6-8(20110830)	T	Solid	7471A	
240-3402-3	ASB-142_2-4(20110830)	T	Solid	7471A	
240-3402-4	ASB-143_1-3(20110830)	T	Solid	7471A	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	7471A	
Analysis Batch:240-14241					
LCS 240-14061/2-A	Lab Control Sample	T	Solid	7471A	240-14061
MB 240-14061/1-A	Method Blank	T	Solid	7471A	240-14061
240-3396-D-5-E MS	Matrix Spike	T	Solid	7471A	240-14061
240-3396-D-5-F MSD	Matrix Spike Duplicate	T	Solid	7471A	240-14061
240-3402-1	ASB-141_2-4(20110830)	T	Solid	7471A	240-14061
240-3402-2	ASB-141_6-8(20110830)	T	Solid	7471A	240-14061
240-3402-3	ASB-142_2-4(20110830)	T	Solid	7471A	240-14061
240-3402-4	ASB-143_1-3(20110830)	T	Solid	7471A	240-14061
240-3402-5	ASB-144_2-4(20110830)	T	Solid	7471A	240-14061
Analysis Batch:240-14355					
LCS 240-14055/2-A	Lab Control Sample	T	Solid	6010B	240-14055
MB 240-14055/1-A	Method Blank	T	Solid	6010B	240-14055
240-3396-D-5-B MS	Matrix Spike	T	Solid	6010B	240-14055
240-3396-D-5-C MSD	Matrix Spike Duplicate	T	Solid	6010B	240-14055
240-3402-1	ASB-141_2-4(20110830)	T	Solid	6010B	240-14055
240-3402-2	ASB-141_6-8(20110830)	T	Solid	6010B	240-14055
240-3402-3	ASB-142_2-4(20110830)	T	Solid	6010B	240-14055
240-3402-4	ASB-143_1-3(20110830)	T	Solid	6010B	240-14055
240-3402-5	ASB-144_2-4(20110830)	T	Solid	6010B	240-14055

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:240-14036					
240-3402-1	ASB-141_2-4(20110830)	T	Solid	Moisture	
240-3402-2	ASB-141_6-8(20110830)	T	Solid	Moisture	
240-3402-3	ASB-142_2-4(20110830)	T	Solid	Moisture	
240-3402-4	ASB-143_1-3(20110830)	T	Solid	Moisture	
240-3402-4DU	Duplicate	T	Solid	Moisture	
240-3402-5	ASB-144_2-4(20110830)	T	Solid	Moisture	
Report Basis					
T = Total					

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3402-5	ASB-144_2-4(20110830)	97	98	84	97
240-3402-6	MB-005(20110830)	107	104	91	107
MB 240-14142/1-A		89	89	75	92
LCS 240-14142/2-A		90	94	83	93

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3402-5	ASB-144_2-4(20110830)	37	39	38	35	39	64
MB 240-14178/21-A		37	48	42	39	47	52
LCS 240-14178/22-A		58	66	63	60	67	79
240-3335-M-11-B MS		51	56	37	48	58	70
240-3335-M-11-C MSD		54	78	52	56	84	85

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3402-1	ASB-141_2-4(20110830)	42	40	50	41	48	62
240-3402-2	ASB-141_6-8(20110830)	53	56	71	56	69	71
240-3402-3	ASB-142_2-4(20110830)	43	49	57	50	55	66
240-3402-4	ASB-143_1-3(20110830)	39	51	63	51	59	70

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-3402-5	ASB-144_2-4(20110830)	78	85
MB 240-14295/21-A		93	93
LCS 240-14295/22-A		97	100
240-3424-D-6-B MS		95	94
240-3424-D-6-C MSD		95	92

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	10.6	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	89	26 - 141
Dibromofluoromethane (Surr)	75	30 - 122
Toluene-d8 (Surr)	92	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Control Sample - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	420	84	27 - 121	
1,1,1-Trichloroethane	500	426	85	38 - 122	
1,1,2,2-Tetrachloroethane	500	590	118	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	462	92	48 - 151	
1,1,2-Trichloroethane	500	540	108	74 - 114	
1,1-Dichloroethane	500	470	94	63 - 117	
1,1-Dichloroethene	500	476	95	44 - 143	
1,1-Dichloropropene	500	498	100	60 - 123	
1,2,3-Trichlorobenzene	500	468	94	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	452	90	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	469	94	10 - 129	J
1,2-Dibromoethane	500	525	105	47 - 123	
1,2-Dichlorobenzene	500	498	100	68 - 118	
1,2-Dichloroethane	500	485	97	68 - 119	
1,2-Dichloropropane	500	500	100	73 - 113	
1,3,5-Trimethylbenzene	500	492	98	60 - 130	
1,3-Dichlorobenzene	500	505	101	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	493	99	65 - 119	
2,2-Dichloropropane	500	376	75	25 - 123	
2-Butanone (MEK)	1000	1080	108	10 - 199	
2-Chlorotoluene	500	515	103	68 - 122	
2-Hexanone	1000	1280	128	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1180	118	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	500	100	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	489	98	56 - 128	
Bromodichloromethane	500	394	79	28 - 123	
Bromoform	500	498	100	10 - 117	
Bromomethane	500	309	62	10 - 114	
Carbon disulfide	500	327	65	10 - 132	
Carbon tetrachloride	500	387	77	29 - 118	
Chlorobenzene	500	490	98	71 - 116	
Chloroethane	500	422	84	10 - 120	
Chloroform	500	463	93	63 - 116	
Chloromethane	500	400	80	25 - 110	
cis-1,2-Dichloroethene	500	472	94	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Control Sample - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	409	82	25 - 120	
Cyclohexane	500	470	94	40 - 120	J
Chlorodibromomethane	500	383	77	22 - 113	
Dibromomethane	500	520	104	68 - 118	
Dichlorodifluoromethane	500	314	63	10 - 110	
Ethyl ether	500	415	83	70 - 130	J
Ethylbenzene	500	489	98	66 - 119	
Hexachlorobutadiene	500	450	90	34 - 135	
Isopropylbenzene	500	481	96	61 - 123	
Methyl acetate	500	540	108	44 - 173	
Methyl tert butyl ether	500	505	101	34 - 157	J
Methylcyclohexane	500	468	94	41 - 133	J
Methylene Chloride	500	423	85	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	500	100	37 - 126	
n-Butylbenzene	500	489	98	51 - 137	
N-Propylbenzene	500	540	108	64 - 130	
o-Xylene	500	505	101	68 - 120	
p-Isopropyltoluene	500	491	98	56 - 136	
sec-Butylbenzene	500	490	98	58 - 131	
Styrene	500	456	91	60 - 120	
tert-Butylbenzene	500	500	100	58 - 128	
Tetrachloroethene	500	520	104	58 - 131	
Tetrahydrofuran	500	590	118	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	453	91	58 - 121	
trans-1,3-Dichloropropene	500	425	85	22 - 122	
Trichloroethene	500	493	99	59 - 124	
Trichlorofluoromethane	500	332	66	17 - 145	
Vinyl chloride	500	417	83	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Dibromofluoromethane (Surr)	83	30 - 122
Toluene-d8 (Surr)	93	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14178

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14178/21-A	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/07/2011 1510	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14178

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14178/21-A	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/07/2011 1510	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	37	34 - 110
2,4,6-Tribromophenol (Surr)	42	10 - 118
2-Fluorophenol (Surr)	48	26 - 110
Nitrobenzene-d5 (Surr)	39	24 - 112
Phenol-d5 (Surr)	47	28 - 110
Terphenyl-d14 (Surr)	52	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Control Sample - Batch: 240-14178

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14178/22-A	Analysis Batch:	240-14947	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0912009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/12/2011 1051	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	403	60	50 - 130	
2,2'-oxybis[1-chloropropane]	667	395	59	36 - 116	
2,4,5-Trichlorophenol	667	455	68	42 - 110	
2,4,6-Trichlorophenol	667	449	67	37 - 110	
2,4-Dichlorophenol	667	447	67	40 - 110	
2,4-Dimethylphenol	667	377	56	28 - 110	
2,4-Dinitrophenol	667	313	47	10 - 110	J
2,4-Dinitrotoluene	667	513	77	55 - 116	
2,6-Dinitrotoluene	667	503	75	54 - 115	
2-Chloronaphthalene	667	411	62	46 - 110	
2-Chlorophenol	667	427	64	39 - 110	
2-Methylnaphthalene	667	414	62	46 - 110	
2-Methylphenol	667	407	61	36 - 110	
2-Nitroaniline	667	488	73	47 - 124	J
2-Nitrophenol	667	403	60	35 - 110	
3,3'-Dichlorobenzidine	667	317	47	31 - 110	J
3-Nitroaniline	667	441	66	44 - 110	J
4,6-Dinitro-2-methylphenol	667	415	62	21 - 110	J
4-Bromophenyl phenyl ether	667	472	71	53 - 112	
4-Chloro-3-methylphenol	667	474	71	42 - 110	
4-Chloroaniline	667	311	47	25 - 110	J
4-Chlorophenyl phenyl ether	667	454	68	53 - 110	
4-Nitroaniline	667	478	72	50 - 110	J
4-Nitrophenol	667	453	68	24 - 117	J
Acenaphthene	667	419	63	46 - 110	
Acenaphthylene	667	424	64	47 - 110	
Acetophenone	667	407	61	50 - 130	
Anthracene	667	488	73	56 - 111	
Atrazine	667	545	82	50 - 130	
Benzaldehyde	667	381	57	10 - 130	
Benzo[a]anthracene	667	482	72	58 - 111	
Benzo[a]pyrene	667	445	67	44 - 115	
Benzo[b]fluoranthene	667	491	74	43 - 124	
Benzo[g,h,i]perylene	667	513	77	44 - 120	
Benzo[k]fluoranthene	667	489	73	38 - 122	
Bis(2-chloroethoxy)methane	667	423	63	42 - 110	
Bis(2-chloroethyl)ether	667	419	63	41 - 110	
Bis(2-ethylhexyl) phthalate	667	531	80	56 - 123	
Butyl benzyl phthalate	667	504	76	57 - 121	
Caprolactam	667	439	66	50 - 130	
Carbazole	667	485	73	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Lab Control Sample - Batch: 240-14178

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14178/22-A	Analysis Batch:	240-14947	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0912009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/12/2011 1051	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	504	76	56 - 111	
Dibenz(a,h)anthracene	667	493	74	45 - 122	
Dibenzofuran	667	438	66	50 - 110	
Diethyl phthalate	667	487	73	55 - 114	
Dimethyl phthalate	667	454	68	54 - 112	
Di-n-butyl phthalate	667	517	78	57 - 119	
Di-n-octyl phthalate	667	489	73	45 - 123	
Fluoranthene	667	512	77	55 - 118	
Fluorene	667	449	67	51 - 110	
Hexachlorobenzene	667	486	73	51 - 110	
Hexachlorobutadiene	667	382	57	39 - 110	
Hexachlorocyclopentadiene	667	318	48	10 - 110	J
Hexachloroethane	667	385	58	38 - 110	
Indeno[1,2,3-cd]pyrene	667	507	76	45 - 121	
Isophorone	667	413	62	46 - 117	
Naphthalene	667	392	59	42 - 110	
Nitrobenzene	667	415	62	40 - 110	
N-Nitrosodi-n-propylamine	667	400	60	40 - 114	
N-Nitrosodiphenylamine	667	476	71	54 - 112	
Pentachlorophenol	667	480	72	10 - 110	
Phenol	667	449	67	39 - 110	
Phenanthrene	667	485	73	54 - 110	
Pyrene	667	488	73	58 - 113	
3 & 4 Methylphenol	1330	907	68	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	34 - 110
2,4,6-Tribromophenol (Surr)	63	10 - 118
2-Fluorophenol (Surr)	66	26 - 110
Nitrobenzene-d5 (Surr)	60	24 - 112
Phenol-d5 (Surr)	67	28 - 110
Terphenyl-d14 (Surr)	79	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14178

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3335-M-11-B MS	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 2028			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3335-M-11-C MSD	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 2045			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	52	58	50 - 130	10	30		
2,2'-oxybis[1-chloropropane]	51	57	25 - 124	11	30		
2,4,5-Trichlorophenol	32	59	32 - 112	57	30	J	F
2,4,6-Trichlorophenol	29	43	22 - 110	39	30	J	J F
2,4-Dichlorophenol	46	67	33 - 110	36	30	J	F
2,4-Dimethylphenol	57	72	19 - 114	23	30		
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
2,4-Dinitrotoluene	66	83	42 - 118	22	30		
2,6-Dinitrotoluene	65	81	28 - 137	22	30		
2-Chloronaphthalene	53	58	40 - 110	8	30		
2-Chlorophenol	52	76	32 - 110	37	30		F
2-Methylnaphthalene	53	58	10 - 200	8	30		
2-Methylphenol	55	96	19 - 124	55	30		F
2-Nitroaniline	64	81	31 - 141	23	30	J	J
2-Nitrophenol	49	62	17 - 110	24	30	J	
3,3'-Dichlorobenzidine	0	55	10 - 110	NC	30	F	J
3-Nitroaniline	61	78	24 - 110	25	30	J	J
4,6-Dinitro-2-methylphenol	16	0	10 - 110	NC	30	J	F
4-Bromophenyl phenyl ether	63	71	44 - 120	11	30		
4-Chloro-3-methylphenol	61	79	32 - 117	26	30		
4-Chloroaniline	48	62	11 - 110	27	30	J	
4-Chlorophenyl phenyl ether	61	69	47 - 116	11	30		
4-Nitroaniline	59	80	23 - 124	29	30	J	J
4-Nitrophenol	0	19	10 - 125	NC	30	F	J
Acenaphthene	56	61	10 - 200	9	30		
Acenaphthylene	56	63	10 - 200	12	30		
Acetophenone	53	72	50 - 130	29	30		
Anthracene	63	75	10 - 200	17	30		
Atrazine	74	94	50 - 130	24	30		
Benzaldehyde	43	55	10 - 130	25	30	J	
Benzo[a]anthracene	63	76	10 - 200	19	30		
Benzo[a]pyrene	57	69	10 - 200	19	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14178

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3335-M-11-B MS	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 2028			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3335-M-11-C MSD	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 2045			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	60	73	10 - 200	19	30		
Benzo[g,h,i]perylene	67	81	10 - 200	19	30		
Benzo[k]fluoranthene	66	80	10 - 200	19	30		
Bis(2-chloroethoxy)methane	56	70	36 - 110	22	30		
Bis(2-chloroethyl)ether	50	65	32 - 118	26	30		
Bis(2-ethylhexyl) phthalate	69	82	10 - 200	14	30		
Butyl benzyl phthalate	67	84	43 - 138	22	30		
Caprolactam	35	47	50 - 130	28	30	J F	J F
Carbazole	64	79	10 - 162	22	30		
Chrysene	65	80	10 - 200	20	30		
Dibenz(a,h)anthracene	68	83	10 - 200	20	30		
Dibenzofuran	59	67	10 - 200	12	30		
Diethyl phthalate	64	80	48 - 118	23	30		
Dimethyl phthalate	62	79	47 - 116	24	30		
Di-n-butyl phthalate	62	81	31 - 145	24	30		
Di-n-octyl phthalate	65	81	10 - 182	22	30		
Fluoranthene	66	81	10 - 200	20	30		
Fluorene	59	67	10 - 187	13	30		
Hexachlorobenzene	62	71	37 - 122	13	30		
Hexachlorobutadiene	49	46	30 - 110	7	30	J	J
Hexachlorocyclopentadiene	9	15	10 - 110	51	30	J F	J F
Hexachloroethane	48	44	13 - 110	8	30	J	J
Indeno[1,2,3-cd]pyrene	66	81	10 - 200	20	30		
Isophorone	54	69	32 - 129	24	30		
Naphthalene	48	52	10 - 200	6	30	J	
Nitrobenzene	52	59	33 - 111	12	30		
N-Nitrosodi-n-propylamine	51	73	30 - 121	35	30		F
N-Nitrosodiphenylamine	61	5	10 - 169	172	30		J F
Pentachlorophenol	23	38	10 - 182	49	30	J	J F
Phenol	54	84	10 - 144	42	30		F
Phenanthrene	61	73	10 - 200	18	30		
Pyrene	64	77	10 - 200	18	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14178

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3335-M-11-B MS	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	09/07/2011 2028			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3335-M-11-C MSD	Analysis Batch:	240-14495	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14178	Lab File ID:	0907024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/07/2011 2045			Final Weight/Volume:	2 mL
Prep Date:	09/02/2011 0920			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	57	88	27 - 116	43	30		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	51	54	34 - 110
2,4,6-Tribromophenol (Surr)	37	52	10 - 118
2-Fluorophenol (Surr)	56	78	26 - 110
Nitrobenzene-d5 (Surr)	48	56	24 - 112
Phenol-d5 (Surr)	58	84	28 - 110
Terphenyl-d14 (Surr)	70	85	41 - 119

Method Blank - Batch: 240-14295

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-14295/21-A	Analysis Batch:	240-14581	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-14295	Lab File ID:	P1090821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/08/2011 1206	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/03/2011 0940			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	93	29 - 151
DCB Decachlorobiphenyl	93	14 - 163

Lab Control Sample - Batch: 240-14295

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-14295/22-A	Analysis Batch:	240-14579	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-14295	Lab File ID:	P1090624.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/07/2011 1813	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/03/2011 0940			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	333	100	62 - 120	
Aroclor-1260	333	330	99	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	97	29 - 151
DCB Decachlorobiphenyl	100	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14295

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3424-D-6-B MS	Analysis Batch:	240-14581	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-14295	Lab File ID:	P1090819.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	09/08/2011 1135			Final Weight/Volume:	10 mL
Prep Date:	09/03/2011 0940			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3424-D-6-C MSD	Analysis Batch:	240-14581	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-14295	Lab File ID:	P1090820.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	09/08/2011 1151			Final Weight/Volume:	10 mL
Prep Date:	09/03/2011 0940			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	93	96	22 - 157	3	30		
Aroclor-1260	84	84	13 - 161	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	95	95	29 - 151
DCB Decachlorobiphenyl	94	92	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14012

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14012/16-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90622.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1916	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	2.19	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14012

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14012/14-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90623.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1945	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14012/15-A	Analysis Batch:	240-14373	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14012	Lab File ID:	P6F90637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/07/2011 0227	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/01/2011 0824			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	96	97	70 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14055

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-14055/1-A	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/02/2011 1429	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.0903	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-14055

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-14055/2-A	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/02/2011 1435	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	199	99	80 - 120	
Cadmium	5.00	5.10	102	80 - 120	
Chromium	20.0	19.7	98	80 - 120	
Silver	5.00	4.75	95	80 - 120	
Arsenic	200	192	96	80 - 120	
Lead	50.0	49.5	99	80 - 120	
Selenium	200	193	96	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14055

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3396-D-5-B MS	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1503			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3396-D-5-C MSD	Analysis Batch:	240-14355	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14055	Lab File ID:	I50902A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/02/2011 1509			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1020				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	97	101	75 - 125	3	20		
Cadmium	94	94	75 - 125	0	20		
Chromium	106	111	75 - 125	4	20		
Silver	99	105	75 - 125	7	20		
Arsenic	94	95	75 - 125	1	20		
Lead	101	96	75 - 125	3	20		
Selenium	93	94	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Method Blank - Batch: 240-14061

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-14061/1-A	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1554	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-14061

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-14061/2-A	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1555	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.858	103	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14061

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3396-D-5-E MS	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1558			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3396-D-5-F MSD	Analysis Batch:	240-14241	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14061	Lab File ID:	HG10902A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/02/2011 1559			Final Weight/Volume:	100 mL
Prep Date:	09/01/2011 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	95	88	11 - 192	6	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3402-1

Duplicate - Batch: 240-14036

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3402-4	Analysis Batch:	240-14036	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/01/2011 0928	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	83	82	0.5	20	
Percent Moisture	17	18	2	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3402-1

Login Number: 3402

List Source: TestAmerica North Canton

List Number: 1

Creator: Burns, Terry

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

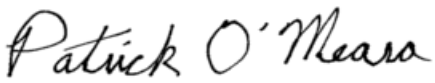
ANALYTICAL REPORT

Job Number: 240-3408-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/22/2011 5:59 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/22/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3408-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/01/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-146_6-8(20110831) (240-3408-1), ASB-146_0-2(20110831) (240-3408-2), ASB-145_6-8(20110830) (240-3408-3), ASB-147_0-2(20110831) (240-3408-4), ASB-147_6-8(20110831) (240-3408-5), ASB-148_4-6(20110831) (240-3408-6), ASB-148_0-2(20110831) (240-3408-7) and MB-006(20110831) (240-3408-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/06/2011, 09/07/2011 and 09/08/2011.

Naphthalene was detected in method blank MB 240-14142/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Samples ASB-146_6-8(20110831) (240-3408-1) and ASB-147_6-8(20110831) (240-3408-5) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14142 for these samples: ASB-145_6-8(20110830) (240-3408-3), ASB-146_0-2(20110831) (240-3408-2), ASB-147_0-2(20110831) (240-3408-4), ASB-148_4-6(20110831) (240-3408-6), and MB-006(20110831) (240-3408-8).

The samples were preserved as frozen encores in the Pittsburgh lab, and they were shipped to the North Canton lab for analysis. The samples thawed in transit. The samples were re-frozen in North Canton, and the re-freeze date and time was entered as the sample preservation date. The re-freeze date was past the preservation holding time, so the samples have been flagged with a holding-time violation.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-147_0-2(20110831) (240-3408-4), ASB-147_6-8(20110831) (240-3408-5), ASB-148_4-6(20110831) (240-3408-6) and ASB-148_0-2(20110831) (240-3408-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/09/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Dibenz(a,h)anthracene failed the recovery criteria low for the MSD of sample ASB-147_0-2(20110831)MSD (240-3408-4) in batch 240-14794. Refer to the QC report for details.

Sample ASB-147_6-8(20110831) (240-3408-5) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

o other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-146_6-8(20110831) (240-3408-1), ASB-146_0-2(20110831) (240-3408-2), ASB-145_6-8(20110830) (240-3408-3), ASB-147_0-2(20110831) (240-3408-4), ASB-147_6-8(20110831) (240-3408-5), ASB-148_4-6(20110831) (240-3408-6) and ASB-148_0-2(20110831) (240-3408-7) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/09/2011 and 09/12/2011.

Insufficient samples was available to perform a matrix spike / matrix spike duplicate in batch 14601.

Samples ASB-146_6-8(20110831) (240-3408-1) and ASB-147_6-8(20110831) (240-3408-5) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-147_0-2(20110831) (240-3408-4), ASB-147_6-8(20110831) (240-3408-5), ASB-148_4-6(20110831) (240-3408-6) and ASB-148_0-2(20110831) (240-3408-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/06/2011 and 09/12/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14154/7-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14154. WI_DRO

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-146_6-8(20110831) (240-3408-1), ASB-146_0-2(20110831) (240-3408-2) and ASB-145_6-8(20110830) (240-3408-3) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-146_6-8(20110831) (240-3408-1), ASB-146_0-2(20110831) (240-3408-2), ASB-145_6-8(20110830) (240-3408-3), ASB-147_0-2(20110831) (240-3408-4), ASB-147_6-8(20110831) (240-3408-5), ASB-148_4-6(20110831) (240-3408-6) and ASB-148_0-2(20110831) (240-3408-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/02/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3408-1	**ASB-146_6-8(20110831)**					
Cyclohexane		7800		2900	ug/Kg	8260B
Isopropylbenzene		2300		1500	ug/Kg	8260B
Methyl acetate		350	J	2900	ug/Kg	8260B
Methylcyclohexane		26000		2900	ug/Kg	8260B
Naphthalene		2800	B	1500	ug/Kg	8260B
n-Butylbenzene		20000		1500	ug/Kg	8260B
N-Propylbenzene		6200		1500	ug/Kg	8260B
sec-Butylbenzene		3500		1500	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		780		250	mg/Kg	WI-GRO
Lead		7.3		0.35	mg/Kg	6010B
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-3408-2	**ASB-146_0-2(20110831)**					
Ethylbenzene		18	J	290	ug/Kg	8260B
Methyl acetate		120	J	570	ug/Kg	8260B
m-Xylene & p-Xylene		49	J	570	ug/Kg	8260B
o-Xylene		27	J	290	ug/Kg	8260B
Tetrachloroethene		38	J	290	ug/Kg	8260B
Lead		8.8		0.36	mg/Kg	6010B
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-3408-3	**ASB-145_6-8(20110830)**					
Methyl acetate		63	J	560	ug/Kg	8260B
Lead		5.8		0.33	mg/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3408-4	**ASB-147_0-2(20110831)**					
1,2,4-Trimethylbenzene		14	J	250	ug/Kg	8260B
Carbon disulfide		51	J	250	ug/Kg	8260B
Methyl acetate		250	J	500	ug/Kg	8260B
m-Xylene & p-Xylene		9.6	J	500	ug/Kg	8260B
Naphthalene		7.3	J B	250	ug/Kg	8260B
n-Butylbenzene		14	J	250	ug/Kg	8260B
sec-Butylbenzene		5.3	J	250	ug/Kg	8260B
2-Methylnaphthalene		3.7	J	370	ug/Kg	8270C
Anthracene		4.0	J	370	ug/Kg	8270C
Benzo[a]pyrene		8.6	J	370	ug/Kg	8270C
Benzo[g,h,i]perylene		9.4	J	370	ug/Kg	8270C
Fluoranthene		25	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		14	J	370	ug/Kg	8270C
Naphthalene		9.1	J	370	ug/Kg	8270C
Phenanthrene		16	J	370	ug/Kg	8270C
Pyrene		19	J	370	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		7.3	J *	11	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		9.8	B	9.3	mg/Kg	WI-DRO
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-3408-5	**ASB-147_6-8(20110831)**					
Carbon disulfide		260	J	1300	ug/Kg	8260B
Cyclohexane		800	J	2700	ug/Kg	8260B
Isopropylbenzene		1300		1300	ug/Kg	8260B
Methyl acetate		200	J	2700	ug/Kg	8260B
Methylcyclohexane		3400		2700	ug/Kg	8260B
n-Butylbenzene		16000		1300	ug/Kg	8260B
N-Propylbenzene		3600		1300	ug/Kg	8260B
sec-Butylbenzene		3600		1300	ug/Kg	8260B
2-Methylnaphthalene		63	J	3700	ug/Kg	8270C
Acenaphthene		41	J	3700	ug/Kg	8270C
Fluoranthene		83	J	3700	ug/Kg	8270C
Fluorene		65	J	3700	ug/Kg	8270C
Phenanthrene		110	J	3700	ug/Kg	8270C
Pyrene		110	J	3700	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		3000	*	570	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		29	B	9.4	mg/Kg	WI-DRO
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3408-6	**ASB-148_4-6(20110831)**					
Ethylbenzene		14	J	240	ug/Kg	8260B
Methyl acetate		24	J	490	ug/Kg	8260B
m-Xylene & p-Xylene		21	J	490	ug/Kg	8260B
Benzo[a]pyrene		3.8	J	350	ug/Kg	8270C
Benzo[b]fluoranthene		4.9	J	350	ug/Kg	8270C
Benzo[g,h,i]perylene		4.1	J	350	ug/Kg	8270C
Fluoranthene		4.6	J	350	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		9.9	J	350	ug/Kg	8270C
Pyrene		4.0	J	350	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		7.5	J B	8.5	mg/Kg	WI-DRO
Percent Solids		95		0.10	%	Moisture
Percent Moisture		4.6		0.10	%	Moisture
240-3408-7	**ASB-148_0-2(20110831)**					
Naphthalene		8.0	J B	250	ug/Kg	8260B
Benzo[a]anthracene		7.3	J	340	ug/Kg	8270C
Benzo[a]pyrene		6.2	J	340	ug/Kg	8270C
Benzo[b]fluoranthene		9.8	J	340	ug/Kg	8270C
Benzo[g,h,i]perylene		5.1	J	340	ug/Kg	8270C
Benzo[k]fluoranthene		3.7	J	340	ug/Kg	8270C
Chrysene		7.3	J	340	ug/Kg	8270C
Fluoranthene		11	J	340	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		10	J	340	ug/Kg	8270C
Phenanthrene		4.9	J	340	ug/Kg	8270C
Pyrene		8.5	J	340	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.1	J B	8.7	mg/Kg	WI-DRO
Percent Solids		97		0.10	%	Moisture
Percent Moisture		3.1		0.10	%	Moisture
240-3408-8	**MB-006(20110831)**					
Naphthalene		8.1	J B	250	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
WI-GRO WI-GRO	Roach, Carolynne	CR
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Davies, Brian	BD
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3408-1	ASB-146_6-8(20110831)	Solid	08/31/2011 0910	09/01/2011 0915
240-3408-2	ASB-146_0-2(20110831)	Solid	08/31/2011 0855	09/01/2011 0915
240-3408-3	ASB-145_6-8(20110830)	Solid	08/30/2011 1655	09/01/2011 0915
240-3408-4	ASB-147_0-2(20110831)	Solid	08/31/2011 1045	09/01/2011 0915
240-3408-5	ASB-147_6-8(20110831)	Solid	08/31/2011 1055	09/01/2011 0915
240-3408-6	ASB-148_4-6(20110831)	Solid	08/31/2011 1240	09/01/2011 0915
240-3408-7	ASB-148_0-2(20110831)	Solid	08/31/2011 1225	09/01/2011 0915
240-3408-8	MB-006(20110831)	Solid	08/31/2011 0000	09/01/2011 0915

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_6-8(20110831)**

Lab Sample ID: 240-3408-1 Date Sampled: 08/31/2011 0910
Client Matrix: Solid % Moisture: 20.3 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14674	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140726.D
Dilution:	5.0			Initial Weight/Volume:	26.75 g
Analysis Date:	09/08/2011 1356			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		53	1500
1,1,1-Trichloroethane		ND		120	1500
1,1,2,2-Tetrachloroethane		ND		52	1500
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		230	1500
1,1,2-Trichloroethane		ND		70	1500
1,1-Dichloroethane		ND		100	1500
1,1-Dichloroethene		ND		110	1500
1,1-Dichloropropene		ND		59	1500
1,2,3-Trichlorobenzene		ND		59	1500
1,2,3-Trichloropropane		ND		120	1500
1,2,4-Trichlorobenzene		ND		43	1500
1,2,4-Trimethylbenzene		ND		29	1500
1,2-Dibromo-3-Chloropropane		ND		290	2900
1,2-Dibromoethane		ND		59	1500
1,2-Dichlorobenzene		ND		50	1500
1,2-Dichloroethane		ND		59	1500
1,2-Dichloropropane		ND		48	1500
1,3,5-Trimethylbenzene		ND		34	1500
1,3-Dichlorobenzene		ND		28	1500
1,3-Dichloropropane		ND		130	1500
1,4-Dichlorobenzene		ND		47	1500
2,2-Dichloropropane		ND		130	1500
2-Butanone (MEK)		ND		250	5900
2-Chlorotoluene		ND		53	1500
2-Hexanone		ND		120	5900
Allyl chloride		ND		310	2900
4-Chlorotoluene		ND		58	1500
4-Methyl-2-pentanone (MIBK)		ND		280	5900
Acetone		ND		1000	5900
Benzene		ND		70	1500
Bromobenzene		ND		76	1500
Bromochloromethane		ND		76	1500
Bromodichloromethane		ND		58	1500
Bromoform		ND		110	1500
Bromomethane		ND		170	1500
Carbon disulfide		ND		70	1500
Carbon tetrachloride		ND		38	1500
Chlorobenzene		ND		38	1500
Chloroethane		ND		360	1500
Chloroform		ND		52	1500
Chloromethane		ND		82	1500
cis-1,2-Dichloroethene		ND		40	1500
cis-1,3-Dichloropropene		ND		46	1500
Cyclohexane		7800		230	2900
Chlorodibromomethane		ND		70	1500
Dibromomethane		ND		82	1500

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_6-8(20110831)**

Lab Sample ID: 240-3408-1 Date Sampled: 08/31/2011 0910
Client Matrix: Solid % Moisture: 20.3 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14674	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140726.D
Dilution:	5.0			Initial Weight/Volume:	26.75 g
Analysis Date:	09/08/2011 1356			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		94	1500
Dichlorofluoromethane		ND		150	2900
Ethyl ether		ND		88	2900
Ethylbenzene		ND		32	1500
Hexachlorobutadiene		ND		82	1500
Isopropylbenzene		2300		38	1500
Methyl acetate		350	J	150	2900
Methyl tert butyl ether		ND		42	5900
Methylcyclohexane		26000		70	2900
Methylene Chloride		ND		450	1500
m-Xylene & p-Xylene		ND		36	2900
Naphthalene		2800	B	39	1500
n-Butylbenzene		20000		47	1500
N-Propylbenzene		6200		82	1500
o-Xylene		ND		50	1500
p-Isopropyltoluene		ND		28	1500
sec-Butylbenzene		3500		28	1500
Styrene		ND		33	1500
tert-Butylbenzene		ND		38	1500
Tetrachloroethene		ND		70	1500
Tetrahydrofuran		ND		290	5900
Toluene		ND		100	1500
trans-1,2-Dichloroethene		ND		54	1500
trans-1,3-Dichloropropene		ND		120	1500
Trichloroethene		ND		57	1500
Trichlorofluoromethane		ND		94	1500
Vinyl chloride		ND		110	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	100		26 - 141
Dibromofluoromethane (Surr)	66		30 - 122
Toluene-d8 (Surr)	100		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_0-2(20110831)**

Lab Sample ID: 240-3408-2 Date Sampled: 08/31/2011 0855
Client Matrix: Solid % Moisture: 20.9 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140674.D
Dilution:	1.0			Initial Weight/Volume:	27.6 g
Analysis Date:	09/06/2011 1744			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		19	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		11	290
1,2,3-Trichlorobenzene		ND		11	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.4	290
1,2,4-Trimethylbenzene		ND		5.7	290
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	290
1,2-Dichlorobenzene		ND		9.8	290
1,2-Dichloroethane		ND		11	290
1,2-Dichloropropane		ND		9.4	290
1,3,5-Trimethylbenzene		ND		6.6	290
1,3-Dichlorobenzene		ND		5.5	290
1,3-Dichloropropane		ND		25	290
1,4-Dichlorobenzene		ND		9.2	290
2,2-Dichloropropane		ND		26	290
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1100
Allyl chloride		ND		61	570
4-Chlorotoluene		ND		11	290
4-Methyl-2-pentanone (MIBK)		ND		55	1100
Acetone		ND		190	1100
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		11	290
Bromoform		ND		22	290
Bromomethane		ND		33	290
Carbon disulfide		ND		14	290
Carbon tetrachloride		ND		7.3	290
Chlorobenzene		ND		7.3	290
Chloroethane		ND		70	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		7.9	290
cis-1,3-Dichloropropene		ND		9.0	290
Cyclohexane		ND		46	570
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_0-2(20110831)**

Lab Sample ID: 240-3408-2 Date Sampled: 08/31/2011 0855
Client Matrix: Solid % Moisture: 20.9 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140674.D
Dilution:	1.0			Initial Weight/Volume:	27.6 g
Analysis Date:	09/06/2011 1744			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	290
Dichlorofluoromethane		ND		29	570
Ethyl ether		ND		17	570
Ethylbenzene		18	J	6.2	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.4	290
Methyl acetate		120	J	29	570
Methyl tert butyl ether		ND		8.1	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		88	290
m-Xylene & p-Xylene		49	J	7.1	570
Naphthalene		ND		7.7	290
n-Butylbenzene		ND		9.2	290
N-Propylbenzene		ND		16	290
o-Xylene		27	J	9.7	290
p-Isopropyltoluene		ND		5.5	290
sec-Butylbenzene		ND		5.4	290
Styrene		ND		6.4	290
tert-Butylbenzene		ND		7.4	290
Tetrachloroethene		38	J	14	290
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		18	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		39 - 128
4-Bromofluorobenzene (Surr)	77		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	82		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-145_6-8(20110830)**

Lab Sample ID: 240-3408-3 Date Sampled: 08/30/2011 1655
Client Matrix: Solid % Moisture: 15.1 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140675.D
Dilution:	1.0			Initial Weight/Volume:	26.31 g
Analysis Date:	09/06/2011 1805			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.2	280
1,2,4-Trimethylbenzene		ND		5.6	280
1,2-Dibromo-3-Chloropropane		ND		56	560
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.6	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.2	280
1,3,5-Trimethylbenzene		ND		6.5	280
1,3-Dichlorobenzene		ND		5.4	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.0	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	560
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		54	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.2	280
Chlorobenzene		ND		7.2	280
Chloroethane		ND		68	280
Chloroform		ND		9.9	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.8	280
Cyclohexane		ND		45	560
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-145_6-8(20110830)**

Lab Sample ID: 240-3408-3 Date Sampled: 08/30/2011 1655
Client Matrix: Solid % Moisture: 15.1 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140675.D
Dilution:	1.0			Initial Weight/Volume:	26.31 g
Analysis Date:	09/06/2011 1805			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	560
Ethyl ether		ND		17	560
Ethylbenzene		ND		6.0	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.3	280
Methyl acetate		63	J	28	560
Methyl tert butyl ether		ND		7.9	1100
Methylcyclohexane		ND		13	560
Methylene Chloride		ND		86	280
m-Xylene & p-Xylene		ND		6.9	560
Naphthalene		ND		7.5	280
n-Butylbenzene		ND		9.0	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.5	280
p-Isopropyltoluene		ND		5.4	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.3	280
tert-Butylbenzene		ND		7.3	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		55	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		39 - 128
4-Bromofluorobenzene (Surr)	91		26 - 141
Dibromofluoromethane (Surr)	80		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_0-2(20110831)**

Lab Sample ID: 240-3408-4 Date Sampled: 08/31/2011 1045
Client Matrix: Solid % Moisture: 10.8 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140676.D
Dilution:	1.0			Initial Weight/Volume:	27.92 g
Analysis Date:	09/06/2011 1826			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		14	J	5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		51	J	12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_0-2(20110831)**

Lab Sample ID: 240-3408-4 Date Sampled: 08/31/2011 1045
Client Matrix: Solid % Moisture: 10.8 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140676.D
Dilution:	1.0			Initial Weight/Volume:	27.92 g
Analysis Date:	09/06/2011 1826			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		250	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		9.6	J	6.2	500
Naphthalene		7.3	J B	6.7	250
n-Butylbenzene		14	J	8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		5.3	J	4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	78		26 - 141
Dibromofluoromethane (Surr)	68		30 - 122
Toluene-d8 (Surr)	80		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_6-8(20110831)**

Lab Sample ID: 240-3408-5 Date Sampled: 08/31/2011 1055
Client Matrix: Solid % Moisture: 11.6 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14518	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140695.D
Dilution:	5.0			Initial Weight/Volume:	26.2 g
Analysis Date:	09/07/2011 1209			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		49	1300
1,1,1-Trichloroethane		ND		110	1300
1,1,2,2-Tetrachloroethane		ND		48	1300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		210	1300
1,1,2-Trichloroethane		ND		65	1300
1,1-Dichloroethane		ND		92	1300
1,1-Dichloroethene		ND		97	1300
1,1-Dichloropropene		ND		54	1300
1,2,3-Trichlorobenzene		ND		54	1300
1,2,3-Trichloropropane		ND		110	1300
1,2,4-Trichlorobenzene		ND		39	1300
1,2,4-Trimethylbenzene		ND		27	1300
1,2-Dibromo-3-Chloropropane		ND		270	2700
1,2-Dibromoethane		ND		54	1300
1,2-Dichlorobenzene		ND		46	1300
1,2-Dichloroethane		ND		54	1300
1,2-Dichloropropane		ND		44	1300
1,3,5-Trimethylbenzene		ND		31	1300
1,3-Dichlorobenzene		ND		26	1300
1,3-Dichloropropane		ND		120	1300
1,4-Dichlorobenzene		ND		43	1300
2,2-Dichloropropane		ND		120	1300
2-Butanone (MEK)		ND		230	5400
2-Chlorotoluene		ND		49	1300
2-Hexanone		ND		110	5400
Allyl chloride		ND		290	2700
4-Chlorotoluene		ND		53	1300
4-Methyl-2-pentanone (MIBK)		ND		260	5400
Acetone		ND		920	5400
Benzene		ND		65	1300
Bromobenzene		ND		70	1300
Bromochloromethane		ND		70	1300
Bromodichloromethane		ND		53	1300
Bromoform		ND		100	1300
Bromomethane		ND		160	1300
Carbon disulfide		260	J	65	1300
Carbon tetrachloride		ND		35	1300
Chlorobenzene		ND		35	1300
Chloroethane		ND		330	1300
Chloroform		ND		48	1300
Chloromethane		ND		76	1300
cis-1,2-Dichloroethene		ND		37	1300
cis-1,3-Dichloropropene		ND		43	1300
Cyclohexane		800	J	220	2700
Chlorodibromomethane		ND		65	1300
Dibromomethane		ND		76	1300

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_6-8(20110831)**

Lab Sample ID: 240-3408-5 Date Sampled: 08/31/2011 1055
Client Matrix: Solid % Moisture: 11.6 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14518	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140695.D
Dilution:	5.0			Initial Weight/Volume:	26.2 g
Analysis Date:	09/07/2011 1209			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		86	1300
Dichlorofluoromethane		ND		130	2700
Ethyl ether		ND		81	2700
Ethylbenzene		ND		29	1300
Hexachlorobutadiene		ND		76	1300
Isopropylbenzene		1300		35	1300
Methyl acetate		200	J	130	2700
Methyl tert butyl ether		ND		38	5400
Methylcyclohexane		3400		65	2700
Methylene Chloride		ND		420	1300
m-Xylene & p-Xylene		ND		33	2700
Naphthalene		ND		36	1300
n-Butylbenzene		16000		43	1300
N-Propylbenzene		3600		76	1300
o-Xylene		ND		46	1300
p-Isopropyltoluene		ND		26	1300
sec-Butylbenzene		3600		25	1300
Styrene		ND		30	1300
tert-Butylbenzene		ND		35	1300
Tetrachloroethene		ND		65	1300
Tetrahydrofuran		ND		260	5400
Toluene		ND		92	1300
trans-1,2-Dichloroethene		ND		50	1300
trans-1,3-Dichloropropene		ND		110	1300
Trichloroethene		ND		52	1300
Trichlorofluoromethane		ND		86	1300
Vinyl chloride		ND		97	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		39 - 128
4-Bromofluorobenzene (Surr)	134		26 - 141
Dibromofluoromethane (Surr)	77		30 - 122
Toluene-d8 (Surr)	98		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_4-6(20110831)**

Lab Sample ID: 240-3408-6 Date Sampled: 08/31/2011 1240
Client Matrix: Solid % Moisture: 4.6 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140677.D
Dilution:	1.0			Initial Weight/Volume:	26.93 g
Analysis Date:	09/06/2011 1848			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.9	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.7	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		38	240
1,1,2-Trichloroethane		ND		12	240
1,1-Dichloroethane		ND		17	240
1,1-Dichloroethene		ND		18	240
1,1-Dichloropropene		ND		9.7	240
1,2,3-Trichlorobenzene		ND		9.7	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		7.1	240
1,2,4-Trimethylbenzene		ND		4.9	240
1,2-Dibromo-3-Chloropropane		ND		49	490
1,2-Dibromoethane		ND		9.7	240
1,2-Dichlorobenzene		ND		8.4	240
1,2-Dichloroethane		ND		9.7	240
1,2-Dichloropropane		ND		8.0	240
1,3,5-Trimethylbenzene		ND		5.6	240
1,3-Dichlorobenzene		ND		4.7	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.8	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		42	970
2-Chlorotoluene		ND		8.8	240
2-Hexanone		ND		19	970
Allyl chloride		ND		52	490
4-Chlorotoluene		ND		9.6	240
4-Methyl-2-pentanone (MIBK)		ND		47	970
Acetone		ND		170	970
Benzene		ND		12	240
Bromobenzene		ND		13	240
Bromochloromethane		ND		13	240
Bromodichloromethane		ND		9.6	240
Bromoform		ND		18	240
Bromomethane		ND		28	240
Carbon disulfide		ND		12	240
Carbon tetrachloride		ND		6.2	240
Chlorobenzene		ND		6.2	240
Chloroethane		ND		59	240
Chloroform		ND		8.6	240
Chloromethane		ND		14	240
cis-1,2-Dichloroethene		ND		6.7	240
cis-1,3-Dichloropropene		ND		7.7	240
Cyclohexane		ND		39	490
Chlorodibromomethane		ND		12	240
Dibromomethane		ND		14	240

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_4-6(20110831)**

Lab Sample ID: 240-3408-6 Date Sampled: 08/31/2011 1240
Client Matrix: Solid % Moisture: 4.6 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140677.D
Dilution:	1.0			Initial Weight/Volume:	26.93 g
Analysis Date:	09/06/2011 1848			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	240
Dichlorofluoromethane		ND		24	490
Ethyl ether		ND		15	490
Ethylbenzene		14	J	5.3	240
Hexachlorobutadiene		ND		14	240
Isopropylbenzene		ND		6.3	240
Methyl acetate		24	J	24	490
Methyl tert butyl ether		ND		6.9	970
Methylcyclohexane		ND		12	490
Methylene Chloride		ND		75	240
m-Xylene & p-Xylene		21	J	6.0	490
Naphthalene		ND		6.5	240
n-Butylbenzene		ND		7.8	240
N-Propylbenzene		ND		14	240
o-Xylene		ND		8.3	240
p-Isopropyltoluene		ND		4.7	240
sec-Butylbenzene		ND		4.6	240
Styrene		ND		5.5	240
tert-Butylbenzene		ND		6.3	240
Tetrachloroethene		ND		12	240
Tetrahydrofuran		ND		48	970
Toluene		ND		17	240
trans-1,2-Dichloroethene		ND		9.0	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.4	240
Trichlorofluoromethane		ND		16	240
Vinyl chloride		ND		18	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		39 - 128
4-Bromofluorobenzene (Surr)	95		26 - 141
Dibromofluoromethane (Surr)	78		30 - 122
Toluene-d8 (Surr)	94		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_0-2(20110831)**

Lab Sample ID: 240-3408-7 Date Sampled: 08/31/2011 1225
Client Matrix: Solid % Moisture: 3.1 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14518	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140693.D
Dilution:	1.0			Initial Weight/Volume:	25.72 g
Analysis Date:	09/07/2011 1123			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_0-2(20110831)**

Lab Sample ID: 240-3408-7 Date Sampled: 08/31/2011 1225
Client Matrix: Solid % Moisture: 3.1 Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14518	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140693.D
Dilution:	1.0			Initial Weight/Volume:	25.72 g
Analysis Date:	09/07/2011 1123			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		8.0	J B	6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		39 - 128
4-Bromofluorobenzene (Surr)	100		26 - 141
Dibromofluoromethane (Surr)	83		30 - 122
Toluene-d8 (Surr)	98		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **MB-006(20110831)**

Lab Sample ID: 240-3408-8 Date Sampled: 08/31/2011 0000
Client Matrix: Solid Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140673.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1722			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0130				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **MB-006(20110831)**

Lab Sample ID: 240-3408-8 Date Sampled: 08/31/2011 0000
Client Matrix: Solid Date Received: 09/01/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14142	Lab File ID:	140673.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1722			Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0130				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		8.1	J B	6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		39 - 128
4-Bromofluorobenzene (Surr)	98		26 - 141
Dibromofluoromethane (Surr)	86		30 - 122
Toluene-d8 (Surr)	98		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_0-2(20110831)**

Lab Sample ID: 240-3408-4 Date Sampled: 08/31/2011 1045
Client Matrix: Solid % Moisture: 10.8 Date Received: 09/01/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909029.D
Dilution:	1.0			Initial Weight/Volume:	29.95 g
Analysis Date:	09/09/2011 1907			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		3.7	J	3.7	370
Acenaphthene		ND		3.7	370
Acenaphthylene		ND		3.7	370
Anthracene		4.0	J	3.7	370
Benzo[a]anthracene		ND		3.7	370
Benzo[a]pyrene		8.6	J	3.7	370
Benzo[b]fluoranthene		ND		3.7	370
Benzo[g,h,i]perylene		9.4	J	3.7	370
Benzo[k]fluoranthene		ND		3.7	370
Chrysene		ND		1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Fluoranthene		25	J	3.7	370
Fluorene		ND		3.7	370
Indeno[1,2,3-cd]pyrene		14	J	3.7	370
Naphthalene		9.1	J	3.7	370
Phenanthrene		16	J	3.7	370
Pyrene		19	J	3.7	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	69		10 - 118
2-Fluorobiphenyl (Surr)	50		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
Nitrobenzene-d5 (Surr)	49		24 - 112
Phenol-d5 (Surr)	66		28 - 110
Terphenyl-d14 (Surr)	73		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_6-8(20110831)**

Lab Sample ID: 240-3408-5 Date Sampled: 08/31/2011 1055
Client Matrix: Solid % Moisture: 11.6 Date Received: 09/01/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909033.D
Dilution:	10			Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 2021			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		63	J	37	3700
Acenaphthene		41	J	37	3700
Acenaphthylene		ND		37	3700
Anthracene		ND		37	3700
Benzo[a]anthracene		ND		37	3700
Benzo[a]pyrene		ND		37	3700
Benzo[b]fluoranthene		ND		37	3700
Benzo[g,h,i]perylene		ND		37	3700
Benzo[k]fluoranthene		ND		37	3700
Chrysene		ND		12	3700
Dibenz(a,h)anthracene		ND		37	3700
Fluoranthene		83	J	37	3700
Fluorene		65	J	37	3700
Indeno[1,2,3-cd]pyrene		ND		37	3700
Naphthalene		ND		37	3700
Phenanthrene		110	J	37	3700
Pyrene		110	J	37	3700

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	61		10 - 118
2-Fluorobiphenyl (Surr)	80		34 - 110
2-Fluorophenol (Surr)	69		26 - 110
Nitrobenzene-d5 (Surr)	102		24 - 112
Phenol-d5 (Surr)	73		28 - 110
Terphenyl-d14 (Surr)	87		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_4-6(20110831)**

Lab Sample ID: 240-3408-6 Date Sampled: 08/31/2011 1240
Client Matrix: Solid % Moisture: 4.6 Date Received: 09/01/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909032.D
Dilution:	1.0			Initial Weight/Volume:	29.80 g
Analysis Date:	09/09/2011 2003			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.5	350
Acenaphthene		ND		3.5	350
Acenaphthylene		ND		3.5	350
Anthracene		ND		3.5	350
Benzo[a]anthracene		ND		3.5	350
Benzo[a]pyrene		3.8	J	3.5	350
Benzo[b]fluoranthene		4.9	J	3.5	350
Benzo[g,h,i]perylene		4.1	J	3.5	350
Benzo[k]fluoranthene		ND		3.5	350
Chrysene		ND		1.2	350
Dibenz(a,h)anthracene		ND		3.5	350
Fluoranthene		4.6	J	3.5	350
Fluorene		ND		3.5	350
Indeno[1,2,3-cd]pyrene		9.9	J	3.5	350
Naphthalene		ND		3.5	350
Phenanthrene		ND		3.5	350
Pyrene		4.0	J	3.5	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	29		10 - 118
2-Fluorobiphenyl (Surr)	63		34 - 110
2-Fluorophenol (Surr)	71		26 - 110
Nitrobenzene-d5 (Surr)	62		24 - 112
Phenol-d5 (Surr)	69		28 - 110
Terphenyl-d14 (Surr)	79		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_0-2(20110831)**

Lab Sample ID: 240-3408-7 Date Sampled: 08/31/2011 1225
Client Matrix: Solid % Moisture: 3.1 Date Received: 09/01/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909022.D
Dilution:	1.0			Initial Weight/Volume:	29.94 g
Analysis Date:	09/09/2011 1658			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.4	340
Acenaphthene		ND		3.4	340
Acenaphthylene		ND		3.4	340
Anthracene		ND		3.4	340
Benzo[a]anthracene		7.3	J	3.4	340
Benzo[a]pyrene		6.2	J	3.4	340
Benzo[b]fluoranthene		9.8	J	3.4	340
Benzo[g,h,i]perylene		5.1	J	3.4	340
Benzo[k]fluoranthene		3.7	J	3.4	340
Chrysene		7.3	J	1.1	340
Dibenz(a,h)anthracene		ND		3.4	340
Fluoranthene		11	J	3.4	340
Fluorene		ND		3.4	340
Indeno[1,2,3-cd]pyrene		10	J	3.4	340
Naphthalene		ND		3.4	340
Phenanthrene		4.9	J	3.4	340
Pyrene		8.5	J	3.4	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	35		10 - 118
2-Fluorobiphenyl (Surr)	44		34 - 110
2-Fluorophenol (Surr)	50		26 - 110
Nitrobenzene-d5 (Surr)	41		24 - 112
Phenol-d5 (Surr)	51		28 - 110
Terphenyl-d14 (Surr)	62		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_6-8(20110831)**

Lab Sample ID: 240-3408-1 Date Sampled: 08/31/2011 0910
Client Matrix: Solid % Moisture: 20.3 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-15002	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF091209.D
Dilution:	20			Initial Weight/Volume:	26.2 g
Analysis Date:	09/12/2011 2117			Final Weight/Volume:	26.2 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		780		8.0	250

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_0-2(20110831)**

Lab Sample ID: 240-3408-2 Date Sampled: 08/31/2011 0855
Client Matrix: Solid % Moisture: 20.9 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-15002	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF091210.D
Dilution:	1.0			Initial Weight/Volume:	26.01 g
Analysis Date:	09/12/2011 2155			Final Weight/Volume:	26.0 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.40	13

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-145_6-8(20110830)**

Lab Sample ID: 240-3408-3 Date Sampled: 08/30/2011 1655
Client Matrix: Solid % Moisture: 15.1 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090915.D
Dilution:	1.0			Initial Weight/Volume:	27.99 g
Analysis Date:	09/09/2011 1854			Final Weight/Volume:	28.0 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND	*	0.38	12

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_0-2(20110831)**

Lab Sample ID: 240-3408-4 Date Sampled: 08/31/2011 1045
Client Matrix: Solid % Moisture: 10.8 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090916.D
Dilution:	1.0			Initial Weight/Volume:	26.94 g
Analysis Date:	09/09/2011 1935			Final Weight/Volume:	26.9 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		7.3	J *	0.36	11

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_6-8(20110831)**

Lab Sample ID: 240-3408-5 Date Sampled: 08/31/2011 1055
Client Matrix: Solid % Moisture: 11.6 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090917.D
Dilution:	50			Initial Weight/Volume:	27 g
Analysis Date:	09/09/2011 2014			Final Weight/Volume:	27.0 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		3000	*	18	570

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_4-6(20110831)**

Lab Sample ID: 240-3408-6 Date Sampled: 08/31/2011 1240
Client Matrix: Solid % Moisture: 4.6 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-15002	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF091211.D
Dilution:	1.0			Initial Weight/Volume:	26.12 g
Analysis Date:	09/12/2011 2233			Final Weight/Volume:	26.1 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.34	10

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_0-2(20110831)**

Lab Sample ID: 240-3408-7 Date Sampled: 08/31/2011 1225
Client Matrix: Solid % Moisture: 3.1 Date Received: 09/01/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090919.D
Dilution:	1.0			Initial Weight/Volume:	26.45 g
Analysis Date:	09/09/2011 2132			Final Weight/Volume:	26.5 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND	*	0.33	10

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_0-2(20110831)**

Lab Sample ID: 240-3408-4 Date Sampled: 08/31/2011 1045
Client Matrix: Solid % Moisture: 10.8 Date Received: 09/01/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14154	Lab File ID:	P5090622.D
Dilution:	1.0			Initial Weight/Volume:	29.04 g
Analysis Date:	09/06/2011 2007			Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		9.8	B	1.2	9.3

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-147_6-8(20110831)**

Lab Sample ID: 240-3408-5 Date Sampled: 08/31/2011 1055
Client Matrix: Solid % Moisture: 11.6 Date Received: 09/01/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15000	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14154	Lab File ID:	P5091221.D
Dilution:	1.0			Initial Weight/Volume:	28.79 g
Analysis Date:	09/12/2011 2055			Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		29	B	1.2	9.4

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_4-6(20110831)**

Lab Sample ID: 240-3408-6 Date Sampled: 08/31/2011 1240
Client Matrix: Solid % Moisture: 4.6 Date Received: 09/01/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15000	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14154	Lab File ID:	P5091222.D
Dilution:	1.0			Initial Weight/Volume:	29.45 g
Analysis Date:	09/12/2011 2124			Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		7.5	J B	1.1	8.5

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-148_0-2(20110831)**

Lab Sample ID: 240-3408-7 Date Sampled: 08/31/2011 1225
Client Matrix: Solid % Moisture: 3.1 Date Received: 09/01/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14154	Lab File ID:	P5090625.D
Dilution:	1.0			Initial Weight/Volume:	28.55 g
Analysis Date:	09/06/2011 2133			Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.1	J B	1.1	8.7

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_6-8(20110831)**

Lab Sample ID: 240-3408-1 Date Sampled: 08/31/2011 0910
Client Matrix: Solid % Moisture: 20.3 Date Received: 09/01/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	09/06/2011 1749			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		7.3		0.22	0.35

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-146_0-2(20110831)**

Lab Sample ID: 240-3408-2 Date Sampled: 08/31/2011 0855
Client Matrix: Solid % Moisture: 20.9 Date Received: 09/01/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/06/2011 1823			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		8.8		0.23	0.36

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Client Sample ID: **ASB-145_6-8(20110830)**

Lab Sample ID: 240-3408-3 Date Sampled: 08/30/2011 1655
Client Matrix: Solid % Moisture: 15.1 Date Received: 09/01/2011 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/06/2011 1828			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		5.8		0.21	0.33

General Chemistry

Client Sample ID: **ASB-146_6-8(20110831)**

Lab Sample ID: 240-3408-1 Date Sampled: 08/31/2011 0910

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-146_0-2(20110831)**

Lab Sample ID: 240-3408-2 Date Sampled: 08/31/2011 0855

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-145_6-8(20110830)**

Lab Sample ID: 240-3408-3 Date Sampled: 08/30/2011 1655

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-147_0-2(20110831)**

Lab Sample ID: 240-3408-4 Date Sampled: 08/31/2011 1045

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-147_6-8(20110831)**

Lab Sample ID: 240-3408-5 Date Sampled: 08/31/2011 1055

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-148_4-6(20110831)**

Lab Sample ID: 240-3408-6 Date Sampled: 08/31/2011 1240

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	4.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-148_0-2(20110831)**

Lab Sample ID: 240-3408-7 Date Sampled: 08/31/2011 1225

Client Matrix: Solid Date Received: 09/01/2011 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	97		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N
Percent Moisture	3.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14163	Analysis Date: 09/02/2011 0856						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14142					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14142/1-A	Method Blank	T	Solid	5035	
240-3408-1	ASB-146_6-8(20110831)	T	Solid	5035	
240-3408-2	ASB-146_0-2(20110831)	T	Solid	5035	
240-3408-3	ASB-145_6-8(20110830)	T	Solid	5035	
240-3408-4	ASB-147_0-2(20110831)	T	Solid	5035	
240-3408-5	ASB-147_6-8(20110831)	T	Solid	5035	
240-3408-6	ASB-148_4-6(20110831)	T	Solid	5035	
240-3408-7	ASB-148_0-2(20110831)	T	Solid	5035	
240-3408-8	MB-006(20110831)	T	Solid	5035	
Analysis Batch:240-14409					
LCS 240-14142/2-A	Lab Control Sample	T	Solid	8260B	240-14142
MB 240-14142/1-A	Method Blank	T	Solid	8260B	240-14142
240-3408-2	ASB-146_0-2(20110831)	T	Solid	8260B	240-14142
240-3408-3	ASB-145_6-8(20110830)	T	Solid	8260B	240-14142
240-3408-4	ASB-147_0-2(20110831)	T	Solid	8260B	240-14142
240-3408-6	ASB-148_4-6(20110831)	T	Solid	8260B	240-14142
240-3408-8	MB-006(20110831)	T	Solid	8260B	240-14142
Analysis Batch:240-14518					
240-3408-5	ASB-147_6-8(20110831)	T	Solid	8260B	240-14142
240-3408-7	ASB-148_0-2(20110831)	T	Solid	8260B	240-14142
Analysis Batch:240-14674					
240-3408-1	ASB-146_6-8(20110831)	T	Solid	8260B	240-14142

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-14528					
LCS 240-14528/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-14528/17-A	Method Blank	T	Solid	3540C	
240-3408-4	ASB-147_0-2(20110831)	T	Solid	3540C	
240-3408-4MS	Matrix Spike	T	Solid	3540C	
240-3408-4MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3408-5	ASB-147_6-8(20110831)	T	Solid	3540C	
240-3408-6	ASB-148_4-6(20110831)	T	Solid	3540C	
240-3408-7	ASB-148_0-2(20110831)	T	Solid	3540C	
Analysis Batch:240-14794					
LCS 240-14528/18-A	Lab Control Sample	T	Solid	8270C	240-14528
MB 240-14528/17-A	Method Blank	T	Solid	8270C	240-14528
240-3408-4	ASB-147_0-2(20110831)	T	Solid	8270C	240-14528
240-3408-4MS	Matrix Spike	T	Solid	8270C	240-14528
240-3408-4MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14528
240-3408-5	ASB-147_6-8(20110831)	T	Solid	8270C	240-14528
240-3408-6	ASB-148_4-6(20110831)	T	Solid	8270C	240-14528
240-3408-7	ASB-148_0-2(20110831)	T	Solid	8270C	240-14528

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-14601					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14601/1-A	Method Blank	T	Solid	5035	
240-3408-1	ASB-146_6-8(20110831)	T	Solid	5035	
240-3408-2	ASB-146_0-2(20110831)	T	Solid	5035	
240-3408-3	ASB-145_6-8(20110830)	T	Solid	5035	
240-3408-4	ASB-147_0-2(20110831)	T	Solid	5035	
240-3408-5	ASB-147_6-8(20110831)	T	Solid	5035	
240-3408-6	ASB-148_4-6(20110831)	T	Solid	5035	
240-3408-7	ASB-148_0-2(20110831)	T	Solid	5035	
Analysis Batch:240-14761					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14601
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14601
MB 240-14601/1-A	Method Blank	T	Solid	WI-GRO	240-14601
240-3408-3	ASB-145_6-8(20110830)	T	Solid	WI-GRO	240-14601
240-3408-4	ASB-147_0-2(20110831)	T	Solid	WI-GRO	240-14601
240-3408-5	ASB-147_6-8(20110831)	T	Solid	WI-GRO	240-14601
240-3408-7	ASB-148_0-2(20110831)	T	Solid	WI-GRO	240-14601
Analysis Batch:240-15002					
240-3408-1	ASB-146_6-8(20110831)	T	Solid	WI-GRO	240-14601
240-3408-2	ASB-146_0-2(20110831)	T	Solid	WI-GRO	240-14601
240-3408-6	ASB-148_4-6(20110831)	T	Solid	WI-GRO	240-14601

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14154					
LCS 240-14154/5-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14154/6-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14154/7-A	Method Blank	T	Solid	WI DRO PREP	
240-3408-4	ASB-147_0-2(20110831)	T	Solid	WI DRO PREP	
240-3408-5	ASB-147_6-8(20110831)	T	Solid	WI DRO PREP	
240-3408-6	ASB-148_4-6(20110831)	T	Solid	WI DRO PREP	
240-3408-7	ASB-148_0-2(20110831)	T	Solid	WI DRO PREP	
Analysis Batch:240-14400					
LCS 240-14154/5-A	Lab Control Sample	T	Solid	WI-DRO	240-14154
LCSD 240-14154/6-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14154
MB 240-14154/7-A	Method Blank	T	Solid	WI-DRO	240-14154
240-3408-4	ASB-147_0-2(20110831)	T	Solid	WI-DRO	240-14154
240-3408-7	ASB-148_0-2(20110831)	T	Solid	WI-DRO	240-14154
Analysis Batch:240-15000					
240-3408-5	ASB-147_6-8(20110831)	T	Solid	WI-DRO	240-14154
240-3408-6	ASB-148_4-6(20110831)	T	Solid	WI-DRO	240-14154

Report Basis
T = Total

Metals					
Prep Batch: 240-14187					
LCS 240-14187/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-14187/1-A	Method Blank	T	Solid	3050B	
240-3408-1	ASB-146_6-8(20110831)	T	Solid	3050B	
240-3408-1MS	Matrix Spike	T	Solid	3050B	
240-3408-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3408-2	ASB-146_0-2(20110831)	T	Solid	3050B	
240-3408-3	ASB-145_6-8(20110830)	T	Solid	3050B	
Analysis Batch:240-14431					
LCS 240-14187/2-A	Lab Control Sample	T	Solid	6010B	240-14187
MB 240-14187/1-A	Method Blank	T	Solid	6010B	240-14187
240-3408-1	ASB-146_6-8(20110831)	T	Solid	6010B	240-14187
240-3408-1MS	Matrix Spike	T	Solid	6010B	240-14187
240-3408-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-14187
240-3408-2	ASB-146_0-2(20110831)	T	Solid	6010B	240-14187
240-3408-3	ASB-145_6-8(20110830)	T	Solid	6010B	240-14187

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14163					
240-3408-1	ASB-146_6-8(20110831)	T	Solid	Moisture	
240-3408-2	ASB-146_0-2(20110831)	T	Solid	Moisture	
240-3408-3	ASB-145_6-8(20110830)	T	Solid	Moisture	
240-3408-4	ASB-147_0-2(20110831)	T	Solid	Moisture	
240-3408-5	ASB-147_6-8(20110831)	T	Solid	Moisture	
240-3408-6	ASB-148_4-6(20110831)	T	Solid	Moisture	
240-3408-7	ASB-148_0-2(20110831)	T	Solid	Moisture	
240-3433-A-10 DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3408-1	ASB-146_6-8(20110831)	76	100	66	100
240-3408-2	ASB-146_0-2(20110831)	80	77	69	82
240-3408-3	ASB-145_6-8(20110830)	91	91	80	93
240-3408-4	ASB-147_0-2(20110831)	81	78	68	80
240-3408-5	ASB-147_6-8(20110831)	88	134	77	98
240-3408-6	ASB-148_4-6(20110831)	93	95	78	94
240-3408-7	ASB-148_0-2(20110831)	96	100	83	98
240-3408-8	MB-006(20110831)	100	98	86	98
MB 240-14142/1-A		89	89	75	92
LCS 240-14142/2-A		90	94	83	93

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3408-4	ASB-147_0-2(20110831)	69	50	61	49	66	73
240-3408-5	ASB-147_6-8(20110831)	61	80	69	102	73	87
240-3408-6	ASB-148_4-6(20110831)	29	63	71	62	69	79
240-3408-7	ASB-148_0-2(20110831)	35	44	50	41	51	62
MB 240-14528/17-A		69	63	77	64	79	89
LCS 240-14528/18-A		79	81	97	84	99	100
240-3408-4 MS	ASB-147_0-2(20110831) MS	67	54	64	52	67	75
240-3408-4 MSD	ASB-147_0-2(20110831) MSD	66	56	67	56	72	80

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method Blank - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method Blank - Batch: 240-14142

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-14142/1-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140661.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1305	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	10.6	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	39 - 128
4-Bromofluorobenzene (Surr)	89	26 - 141
Dibromofluoromethane (Surr)	75	30 - 122
Toluene-d8 (Surr)	92	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Control Sample - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	420	84	27 - 121	
1,1,1-Trichloroethane	500	426	85	38 - 122	
1,1,2,2-Tetrachloroethane	500	590	118	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	462	92	48 - 151	
1,1,2-Trichloroethane	500	540	108	74 - 114	
1,1-Dichloroethane	500	470	94	63 - 117	
1,1-Dichloroethene	500	476	95	44 - 143	
1,1-Dichloropropene	500	498	100	60 - 123	
1,2,3-Trichlorobenzene	500	468	94	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	452	90	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	469	94	10 - 129	J
1,2-Dibromoethane	500	525	105	47 - 123	
1,2-Dichlorobenzene	500	498	100	68 - 118	
1,2-Dichloroethane	500	485	97	68 - 119	
1,2-Dichloropropane	500	500	100	73 - 113	
1,3,5-Trimethylbenzene	500	492	98	60 - 130	
1,3-Dichlorobenzene	500	505	101	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	493	99	65 - 119	
2,2-Dichloropropane	500	376	75	25 - 123	
2-Butanone (MEK)	1000	1080	108	10 - 199	
2-Chlorotoluene	500	515	103	68 - 122	
2-Hexanone	1000	1280	128	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1180	118	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	500	100	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	489	98	56 - 128	
Bromodichloromethane	500	394	79	28 - 123	
Bromoform	500	498	100	10 - 117	
Bromomethane	500	309	62	10 - 114	
Carbon disulfide	500	327	65	10 - 132	
Carbon tetrachloride	500	387	77	29 - 118	
Chlorobenzene	500	490	98	71 - 116	
Chloroethane	500	422	84	10 - 120	
Chloroform	500	463	93	63 - 116	
Chloromethane	500	400	80	25 - 110	
cis-1,2-Dichloroethene	500	472	94	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Control Sample - Batch: 240-14142 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-14142/2-A	Analysis Batch:	240-14409	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14142	Lab File ID:	140660.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1244	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/02/2011 0051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	409	82	25 - 120	
Cyclohexane	500	470	94	40 - 120	J
Chlorodibromomethane	500	383	77	22 - 113	
Dibromomethane	500	520	104	68 - 118	
Dichlorodifluoromethane	500	314	63	10 - 110	
Ethyl ether	500	415	83	70 - 130	J
Ethylbenzene	500	489	98	66 - 119	
Hexachlorobutadiene	500	450	90	34 - 135	
Isopropylbenzene	500	481	96	61 - 123	
Methyl acetate	500	540	108	44 - 173	
Methyl tert butyl ether	500	505	101	34 - 157	J
Methylcyclohexane	500	468	94	41 - 133	J
Methylene Chloride	500	423	85	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	500	100	37 - 126	
n-Butylbenzene	500	489	98	51 - 137	
N-Propylbenzene	500	540	108	64 - 130	
o-Xylene	500	505	101	68 - 120	
p-Isopropyltoluene	500	491	98	56 - 136	
sec-Butylbenzene	500	490	98	58 - 131	
Styrene	500	456	91	60 - 120	
tert-Butylbenzene	500	500	100	58 - 128	
Tetrachloroethene	500	520	104	58 - 131	
Tetrahydrofuran	500	590	118	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	453	91	58 - 121	
trans-1,3-Dichloropropene	500	425	85	22 - 122	
Trichloroethene	500	493	99	59 - 124	
Trichlorofluoromethane	500	332	66	17 - 145	
Vinyl chloride	500	417	83	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Dibromofluoromethane (Surr)	83	30 - 122
Toluene-d8 (Surr)	93	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method Blank - Batch: 240-14528

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14528/17-A	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 1048	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	69	10 - 118
2-Fluorobiphenyl (Surr)	63	34 - 110
2-Fluorophenol (Surr)	77	26 - 110
Nitrobenzene-d5 (Surr)	64	24 - 112
Phenol-d5 (Surr)	79	28 - 110
Terphenyl-d14 (Surr)	89	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Lab Control Sample - Batch: 240-14528

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14528/18-A	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 1106	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	573	86	46 - 110	
Acenaphthene	667	575	86	46 - 110	
Acenaphthylene	667	591	89	47 - 110	
Anthracene	667	611	92	56 - 111	
Benzo[a]anthracene	667	593	89	58 - 111	
Benzo[a]pyrene	667	563	84	44 - 115	
Benzo[b]fluoranthene	667	592	89	43 - 124	
Benzo[g,h,i]perylene	667	673	101	44 - 120	
Benzo[k]fluoranthene	667	625	94	38 - 122	
Chrysene	667	615	92	56 - 111	
Dibenz(a,h)anthracene	667	673	101	45 - 122	
Fluoranthene	667	651	98	55 - 118	
Fluorene	667	601	90	51 - 110	
Indeno[1,2,3-cd]pyrene	667	616	92	45 - 121	
Naphthalene	667	529	79	42 - 110	
Phenanthrene	667	587	88	54 - 110	
Pyrene	667	602	90	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79	10 - 118
2-Fluorobiphenyl (Surr)	81	34 - 110
2-Fluorophenol (Surr)	97	26 - 110
Nitrobenzene-d5 (Surr)	84	24 - 112
Phenol-d5 (Surr)	99	28 - 110
Terphenyl-d14 (Surr)	100	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14528

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3408-4	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1926			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3408-4	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1944			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	66	68	10 - 200	3	30		
Acenaphthene	62	65	10 - 200	4	30		
Acenaphthylene	63	65	10 - 200	3	30		
Anthracene	68	72	10 - 200	7	30		
Benzo[a]anthracene	67	72	10 - 200	7	30		
Benzo[a]pyrene	62	64	10 - 200	4	30		
Benzo[b]fluoranthene	76	78	10 - 200	2	30		
Benzo[g,h,i]perylene	69	71	10 - 200	3	30		
Benzo[k]fluoranthene	65	67	10 - 200	4	30		
Chrysene	67	75	10 - 200	11	30		
Dibenz(a,h)anthracene	72	0	10 - 200	NC	30		F
Fluoranthene	76	79	10 - 200	3	30		
Fluorene	68	71	10 - 187	4	30		
Indeno[1,2,3-cd]pyrene	66	68	10 - 200	3	30		
Naphthalene	59	59	10 - 200	1	30		
Phenanthrene	65	69	10 - 200	6	30		
Pyrene	68	74	10 - 200	8	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	67	66	10 - 118
2-Fluorobiphenyl (Surr)	54	56	34 - 110
2-Fluorophenol (Surr)	64	67	26 - 110
Nitrobenzene-d5 (Surr)	52	56	24 - 112
Phenol-d5 (Surr)	67	72	28 - 110
Terphenyl-d14 (Surr)	75	80	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method Blank - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-14601/1-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1214	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14601/2-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1254	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14601/3-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/10/2011 0045	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	82	83	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method Blank - Batch: 240-14154

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14154/7-A	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-14154	Lab File ID:	P5090620.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/06/2011 1910	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	1.64	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14154

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14154/5-A	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-14154	Lab File ID:	P5090621.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/06/2011 1939	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14154/6-A	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-14154	Lab File ID:	P5090626.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/06/2011 2202	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/02/2011 0820			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	84	90	70 - 120	7	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Method Blank - Batch: 240-14187

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-14187/1-A	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/06/2011 1737	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Lead	ND		0.19	0.30

Lab Control Sample - Batch: 240-14187

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-14187/2-A	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/06/2011 1743	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	50.0	47.6	95	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14187

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3408-1	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	09/06/2011 1800			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3408-1	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14187	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	09/06/2011 1817			Final Weight/Volume:	100 mL
Prep Date:	09/02/2011 0943				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	88	88	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3408-1

Duplicate - Batch: 240-14163

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3433-A-10 DU	Analysis Batch:	240-14163	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/02/2011 0856	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	73	77	5	20	
Percent Moisture	27	23	14	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3408-1

Login Number: 3408

List Source: TestAmerica North Canton

List Number: 1

Creator: Maddux, Ann

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

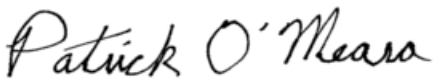
ANALYTICAL REPORT

Job Number: 240-3454-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
9/22/2011 6:55 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/22/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3454-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/02/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0, 2.9 and 3.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-145_0-2(20110830) (240-3454-1), ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-149_0-2(20110831) (240-3454-12), ASB-157_0-2(20110901) (240-3454-13) and MB-007(20110901) (240-3454-14) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/12/2011.

Samples ASB-145_7-12(20110830) (240-3454-7) and TB-005(20110901) (240-3454-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/13/2011.

Naphthalene was detected in method blank MB 240-14890/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Methylene Chloride was detected in method blank MB 240-15099/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14890 for these samples ASB-145_0-2(20110830) (240-3454-1), ASB-149_0-2(20110831) (240-3454-12), ASB-150_2-4(20110831) (240-3454-4), ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-153_2-4(20110901) (240-3454-9), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-157_0-2(20110901) (240-3454-13), and MB-007(20110901) (240-3454-14).

Methylcyclohexane failed the recovery criteria low for the MS/MSD of sample ASB-145_7-12(20110830) (240-3454-7) in batch

240-15099. 1,1,2-Trichloroethane failed the recovery criteria high.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Sample ASB-145_7-12(20110830) (240-3454-7) had methylcyclohexane that just exceeded the calibration range and an MS/MSD was prepared at the time of sample preparation as well; therefore, there was insufficient sample for reanalysis of this sample at a dilution.

Samples ASB-154_1-3(20110901) (240-3454-10) and ASB-133_2-4(20110901) Were received with low methanol volume. Since the sample methanol appeared to have leaked from the bottles, sample integrity was compromised and the analyses were cancelled.

Sample ASB-155_0-2(20110901) appeared to be leaking when the sample was being prepared for screening. The bottle methanol volume appeared to be correct, but the sample integrity may have been compromised. The sample was analyzed and reported.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-133_2-4(20110901) (240-3454-11), ASB-149_0-2(20110831) (240-3454-12) and ASB-157_0-2(20110901) (240-3454-13) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/09/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate, Caprolactam and Di-n-butyl phthalate were detected in method blank MB 240-14528/17-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol failed the recovery criteria low for LCS 240-14528/18-A. Refer to the QC report for details.

2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Caprolactam and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample 240-3408-4 in batch 240-14794.

Several analytes failed the recovery criteria low for the MSD of sample 240-3408-4 in batch 240-14794. Caprolactam exceeded the rpd limit. Refer to the QC report for details.

The following sample(s) was diluted due to the nature of the sample matrix: ASB-149_0-2(20110831) (240-3454-12), ASB-151_0-2(20110831) (240-3454-2), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-145_0-2(20110830) (240-3454-1), sample ASB-145_7-12(20110830) (240-3454-7), and ASB-157_0-2(20110901) (240-3454-13) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/08/2011, 09/09/2011, and 09/10/2011.

Insufficient sample was available to perform a matrix spike / matrix spike duplicate for batches 14588 and 14601.

Sample ASB-145_7-12(20110830) (240-3454-7) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-133_2-4(20110901) (240-3454-11) and ASB-149_0-2(20110831) (240-3454-12) were

analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/08/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-3454-11 MS), (240-3454-11 MSD), ASB-133_2-4(20110901) (240-3454-11), ASB-149_0-2(20110831) (240-3454-12), ASB-150_2-4(20110831) (240-3454-4), ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), and ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6).

The closing continuing calibration verification (CCV) for associated with batch 14434 recovered above the upper control limit. The following samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. (240-3454-11 MS), (240-3454-11 MSD), ASB-133_2-4(20110901) (240-3454-11), ASB-149_0-2(20110831) (240-3454-12), ASB-150_2-4(20110831) (240-3454-4), ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-155_0-2(20110901) (240-3454-5), and ASB-156_0-2(20110901) (240-3454-6)

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-133_2-4(20110901) (240-3454-11), ASB-149_0-2(20110831) (240-3454-12) and ASB-157_0-2(20110901) (240-3454-13) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/06/2011 and 09/12/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14286/11-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for LCS 240-14286/12-A. WI Diesel Range Organics (C10-C28) exceeded the rpd limit for LCSD 240-14286/13-A. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 14286.

Refer to the QC report for details.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-145_0-2(20110830) (240-3454-1), ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-133_2-4(20110901) (240-3454-11) and ASB-149_0-2(20110831) (240-3454-12) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/06/2011.

Barium was detected in method blank MB 240-14392/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Chromium and Lead failed the recovery criteria high for the MS of sample ASB-145_0-2(20110830)MS (240-3454-1) in batch 240-14431. Chromium failed the recovery criteria high for the MSD of sample ASB-145_0-2(20110830)MSD (240-3454-1) in batch 240-14431. Lead exceeded the rpd limit. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample ASB-145_7-12(20110830) (240-3454-7) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/07/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-133_2-4(20110901) (240-3454-11) and ASB-149_0-2(20110831) (240-3454-12) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-145_0-2(20110830) (240-3454-1), ASB-151_0-2(20110831) (240-3454-2), ASB-152_4-6(20110831) (240-3454-3), ASB-150_2-4(20110831) (240-3454-4), ASB-155_0-2(20110901) (240-3454-5), ASB-156_0-2(20110901) (240-3454-6), ASB-153_2-4(20110901) (240-3454-9), ASB-154_1-3(20110901) (240-3454-10), ASB-133_2-4(20110901) (240-3454-11), ASB-149_0-2(20110831) (240-3454-12) and ASB-157_0-2(20110901) (240-3454-13) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/06/2011.

Percent Moisture exceeded the rpd limit for the duplicate of sample ASB-156_0-2(20110901)DU (240-3454-6). Percent Moisture exceeded the rpd limit for the duplicate of sample 240-3478-10. Refer to the QC report for details.

No other difficulties were encountered during the % solids analyses.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3454-1	**ASB-145_0-2(20110830)**					
1,2,4-Trimethylbenzene		84	J	330	ug/Kg	8260B
1,3,5-Trimethylbenzene		28	J	330	ug/Kg	8260B
Cyclohexane		98	J	660	ug/Kg	8260B
Ethylbenzene		29	J	330	ug/Kg	8260B
Isopropylbenzene		10	J	330	ug/Kg	8260B
Methyl acetate		890		660	ug/Kg	8260B
Methylcyclohexane		280	J	660	ug/Kg	8260B
m-Xylene & p-Xylene		220	J	660	ug/Kg	8260B
Naphthalene		230	J B	330	ug/Kg	8260B
n-Butylbenzene		14	J	330	ug/Kg	8260B
o-Xylene		200	J	330	ug/Kg	8260B
p-Isopropyltoluene		7.3	J	330	ug/Kg	8260B
Toluene		170	J	330	ug/Kg	8260B
Lead		51		0.30	mg/Kg	6010B
Percent Solids		94		0.10	%	Moisture
Percent Moisture		6.2		0.10	%	Moisture
240-3454-2	**ASB-151_0-2(20110831)**					
Methyl acetate		27	J	470	ug/Kg	8260B
Naphthalene		11	J B	240	ug/Kg	8260B
Toluene		21	J	240	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		3.8	J * B	8.9	mg/Kg	WI-DRO
Barium		19	B	19	mg/Kg	6010B
Chromium		11		0.49	mg/Kg	6010B
Arsenic		2.1		0.97	mg/Kg	6010B
Lead		6.1		0.29	mg/Kg	6010B
Mercury		0.031	J	0.10	mg/Kg	7471A
Percent Solids		93		0.10	%	Moisture
Percent Moisture		6.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3454-3	**ASB-152_4-6(20110831)**					
Methyl acetate		70	J	490	ug/Kg	8260B
m-Xylene & p-Xylene		6.5	J	490	ug/Kg	8260B
Naphthalene		9.2	J B	250	ug/Kg	8260B
Toluene		42	J	250	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		21	J B	360	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.7	J B *	9.4	mg/Kg	WI-DRO
Barium		21	B	19	mg/Kg	6010B
Chromium		12		0.48	mg/Kg	6010B
Arsenic		5.0		0.96	mg/Kg	6010B
Lead		4.5		0.29	mg/Kg	6010B
Selenium		0.45	J	0.48	mg/Kg	6010B
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.5		0.10	%	Moisture
240-3454-4	**ASB-150_2-4(20110831)**					
Methyl acetate		78	J	550	ug/Kg	8260B
m-Xylene & p-Xylene		10	J	550	ug/Kg	8260B
Naphthalene		9.4	J B	280	ug/Kg	8260B
Toluene		47	J	280	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		30	J B	390	ug/Kg	8270C
Di-n-butyl phthalate		18	J B	390	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.3	J B *	10	mg/Kg	WI-DRO
Barium		23	B	21	mg/Kg	6010B
Chromium		14		0.51	mg/Kg	6010B
Arsenic		2.2		1.0	mg/Kg	6010B
Lead		4.3		0.31	mg/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-3454-5	**ASB-155_0-2(20110901)**					
Methyl acetate		34	J	560	ug/Kg	8260B
Toluene		39	J	280	ug/Kg	8260B
Benzo[a]anthracene		9.8	J	930	ug/Kg	8270C
Chrysene		29	J	930	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		18	B *	9.5	mg/Kg	WI-DRO
Barium		25	B	17	mg/Kg	6010B
Chromium		7.4		0.43	mg/Kg	6010B
Arsenic		1.5		0.86	mg/Kg	6010B
Lead		3.0		0.26	mg/Kg	6010B
Mercury		0.012	J	0.076	mg/Kg	7471A
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3454-6	**ASB-156_0-2(20110901)**					
Methyl acetate		26	J	460	ug/Kg	8260B
Toluene		30	J	230	ug/Kg	8260B
Phenanthrene		11	J	880	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		17	B *	8.9	mg/Kg	WI-DRO
Barium		24	B	19	mg/Kg	6010B
Chromium		8.5		0.48	mg/Kg	6010B
Silver		0.13	J	0.48	mg/Kg	6010B
Arsenic		1.5		0.97	mg/Kg	6010B
Lead		2.6		0.29	mg/Kg	6010B
Percent Solids		93		0.10	%	Moisture
Percent Moisture		6.8		0.10	%	Moisture
240-3454-7	**ASB-145_7-12(20110830)**					
Acetone		1.7	J	10	ug/L	8260B
Cyclohexane		7.2		1.0	ug/L	8260B
Ethylbenzene		0.19	J	1.0	ug/L	8260B
m-Xylene & p-Xylene		0.37	J	2.0	ug/L	8260B
n-Butylbenzene		0.61	J	1.0	ug/L	8260B
Isopropylbenzene		2.5		1.0	ug/L	8260B
N-Propylbenzene		2.8		1.0	ug/L	8260B
2-Butanone (MEK)		0.59	J	10	ug/L	8260B
sec-Butylbenzene		0.84	J	1.0	ug/L	8260B
tert-Butylbenzene		0.20	J	1.0	ug/L	8260B
Methylcyclohexane		41	E	1.0	ug/L	8260B
WI Gasoline Range Organics (C6-C10)		510		200	ug/L	WI-GRO
240-3454-8TB	**TB-005(20110901)**					
Methylcyclohexane		0.14	J	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3454-9	**ASB-153_2-4(20110901)**					
Methyl acetate		300	J	550	ug/Kg	8260B
m-Xylene & p-Xylene		7.4	J	550	ug/Kg	8260B
Toluene		32	J	270	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		40	J B	380	ug/Kg	8270C
Di-n-butyl phthalate		32	J B	380	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.2	J B *	9.9	mg/Kg	WI-DRO
Barium		53	B	21	mg/Kg	6010B
Chromium		11		0.53	mg/Kg	6010B
Arsenic		4.6		1.1	mg/Kg	6010B
Lead		4.4		0.32	mg/Kg	6010B
Mercury		0.034	J	0.089	mg/Kg	7471A
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-3454-10	**ASB-154_1-3(20110901)**					
Bis(2-ethylhexyl) phthalate		32	J B	360	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.1	J B *	9.3	mg/Kg	WI-DRO
Barium		27	B	20	mg/Kg	6010B
Chromium		6.6		0.50	mg/Kg	6010B
Arsenic		1.7		1.0	mg/Kg	6010B
Lead		2.6		0.30	mg/Kg	6010B
Mercury		0.028	J	0.070	mg/Kg	7471A
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.0		0.10	%	Moisture
240-3454-11	**ASB-133_2-4(20110901)**					
Bis(2-ethylhexyl) phthalate		22	J B	360	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.8	J B *	9.3	mg/Kg	WI-DRO
Barium		14	J B	18	mg/Kg	6010B
Chromium		4.1		0.44	mg/Kg	6010B
Arsenic		1.1		0.88	mg/Kg	6010B
Lead		1.2		0.26	mg/Kg	6010B
Selenium		0.49		0.44	mg/Kg	6010B
Mercury		0.023	J	0.087	mg/Kg	7471A
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3454-12	**ASB-149_0-2(20110831)**					
Chrysene		12	J	870	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.9	J * B	8.7	mg/Kg	WI-DRO
Barium		23	B	19	mg/Kg	6010B
Chromium		8.6		0.48	mg/Kg	6010B
Silver		0.25	J	0.48	mg/Kg	6010B
Arsenic		2.2		0.96	mg/Kg	6010B
Lead		2.2		0.29	mg/Kg	6010B
Percent Solids		94		0.10	%	Moisture
Percent Moisture		5.7		0.10	%	Moisture
240-3454-13	**ASB-157_0-2(20110901)**					
Methyl acetate		35	J	480	ug/Kg	8260B
Toluene		18	J	240	ug/Kg	8260B
Benzo[a]anthracene		23	J	350	ug/Kg	8270C
Benzo[a]pyrene		22	J	350	ug/Kg	8270C
Benzo[b]fluoranthene		34	J	350	ug/Kg	8270C
Benzo[g,h,i]perylene		16	J	350	ug/Kg	8270C
Benzo[k]fluoranthene		12	J	350	ug/Kg	8270C
Chrysene		27	J	350	ug/Kg	8270C
Dibenz(a,h)anthracene		4.6	J	350	ug/Kg	8270C
Fluoranthene		43	J	350	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		19	J	350	ug/Kg	8270C
Phenanthrene		20	J	350	ug/Kg	8270C
Pyrene		32	J	350	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.0	J B *	9.2	mg/Kg	WI-DRO
Percent Solids		96		0.10	%	Moisture
Percent Moisture		4.2		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method	Analyst	Analyst ID
SW846 8260B	Evans, Laura	LE
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-GRO WI-GRO	Roach, Carolynne	CR
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Davies, Brian	BD
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3454-1	ASB-145_0-2(20110830)	Solid	08/30/2011 1620	09/02/2011 0930
240-3454-2	ASB-151_0-2(20110831)	Solid	08/31/2011 1615	09/02/2011 0930
240-3454-3	ASB-152_4-6(20110831)	Solid	08/31/2011 1710	09/02/2011 0930
240-3454-4	ASB-150_2-4(20110831)	Solid	08/31/2011 1540	09/02/2011 0930
240-3454-5	ASB-155_0-2(20110901)	Solid	09/01/2011 0950	09/02/2011 0930
240-3454-6	ASB-156_0-2(20110901)	Solid	09/01/2011 1040	09/02/2011 0930
240-3454-7	ASB-145_7-12(20110830)	Water	08/30/2011 1645	09/02/2011 0930
240-3454-8TB	TB-005(20110901)	Water	09/01/2011 0000	09/02/2011 0930
240-3454-9	ASB-153_2-4(20110901)	Solid	09/01/2011 0820	09/02/2011 0930
240-3454-10	ASB-154_1-3(20110901)	Solid	09/01/2011 0910	09/02/2011 0930
240-3454-11	ASB-133_2-4(20110901)	Solid	09/01/2011 1215	09/02/2011 0930
240-3454-12	ASB-149_0-2(20110831)	Solid	08/31/2011 1450	09/02/2011 0930
240-3454-13	ASB-157_0-2(20110901)	Solid	09/01/2011 1455	09/02/2011 0930
240-3454-14	MB-007(20110901)	Solid	09/01/2011 0000	09/02/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_0-2(20110830)**

Lab Sample ID: 240-3454-1 Date Sampled: 08/30/2011 1620
Client Matrix: Solid % Moisture: 6.2 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140827.D
Dilution:	1.0			Initial Weight/Volume:	20.24 g
Analysis Date:	09/12/2011 1331			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	330
1,1,1-Trichloroethane		ND		28	330
1,1,2,2-Tetrachloroethane		ND		12	330
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		51	330
1,1,2-Trichloroethane		ND		16	330
1,1-Dichloroethane		ND		22	330
1,1-Dichloroethene		ND		24	330
1,1-Dichloropropene		ND		13	330
1,2,3-Trichlorobenzene		ND		13	330
1,2,3-Trichloropropane		ND		28	330
1,2,4-Trichlorobenzene		ND		9.6	330
1,2,4-Trimethylbenzene		84	J	6.6	330
1,2-Dibromo-3-Chloropropane		ND		66	660
1,2-Dibromoethane		ND		13	330
1,2-Dichlorobenzene		ND		11	330
1,2-Dichloroethane		ND		13	330
1,2-Dichloropropane		ND		11	330
1,3,5-Trimethylbenzene		28	J	7.6	330
1,3-Dichlorobenzene		ND		6.3	330
1,3-Dichloropropane		ND		29	330
1,4-Dichlorobenzene		ND		11	330
2,2-Dichloropropane		ND		30	330
2-Butanone (MEK)		ND		57	1300
2-Chlorotoluene		ND		12	330
2-Hexanone		ND		26	1300
Allyl chloride		ND		70	660
4-Chlorotoluene		ND		13	330
4-Methyl-2-pentanone (MIBK)		ND		63	1300
Acetone		ND		220	1300
Benzene		ND		16	330
Bromobenzene		ND		17	330
Bromochloromethane		ND		17	330
Bromodichloromethane		ND		13	330
Bromoform		ND		25	330
Bromomethane		ND		38	330
Carbon disulfide		ND		16	330
Carbon tetrachloride		ND		8.4	330
Chlorobenzene		ND		8.4	330
Chloroethane		ND		80	330
Chloroform		ND		12	330
Chloromethane		ND		18	330
cis-1,2-Dichloroethene		ND		9.1	330
cis-1,3-Dichloropropene		ND		10	330
Cyclohexane		98	J	53	660
Chlorodibromomethane		ND		16	330
Dibromomethane		ND		18	330

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_0-2(20110830)**

Lab Sample ID: 240-3454-1 Date Sampled: 08/30/2011 1620
Client Matrix: Solid % Moisture: 6.2 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140827.D
Dilution:	1.0			Initial Weight/Volume:	20.24 g
Analysis Date:	09/12/2011 1331			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		21	330
Dichlorofluoromethane		ND		33	660
Ethyl ether		ND		20	660
Ethylbenzene		29	J	7.1	330
Hexachlorobutadiene		ND		18	330
Isopropylbenzene		10	J	8.6	330
Methyl acetate		890		33	660
Methyl tert butyl ether		ND		9.4	1300
Methylcyclohexane		280	J	16	660
Methylene Chloride		ND		100	330
m-Xylene & p-Xylene		220	J	8.2	660
Naphthalene		230	J B	8.8	330
n-Butylbenzene		14	J	11	330
N-Propylbenzene		ND		18	330
o-Xylene		200	J	11	330
p-Isopropyltoluene		7.3	J	6.3	330
sec-Butylbenzene		ND		6.2	330
Styrene		ND		7.4	330
tert-Butylbenzene		ND		8.6	330
Tetrachloroethene		ND		16	330
Tetrahydrofuran		ND		65	1300
Toluene		170	J	22	330
trans-1,2-Dichloroethene		ND		12	330
trans-1,3-Dichloropropene		ND		26	330
Trichloroethene		ND		13	330
Trichlorofluoromethane		ND		21	330
Vinyl chloride		ND		24	330

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		39 - 128
4-Bromofluorobenzene (Surr)	122		26 - 141
Dibromofluoromethane (Surr)	104		30 - 122
Toluene-d8 (Surr)	123		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140828.D
Dilution:	1.0			Initial Weight/Volume:	28.31 g
Analysis Date:	09/12/2011 1352			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.6	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.4	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		37	240
1,1,2-Trichloroethane		ND		11	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.5	240
1,2,3-Trichlorobenzene		ND		9.5	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		6.9	240
1,2,4-Trimethylbenzene		ND		4.7	240
1,2-Dibromo-3-Chloropropane		ND		47	470
1,2-Dibromoethane		ND		9.5	240
1,2-Dichlorobenzene		ND		8.1	240
1,2-Dichloroethane		ND		9.5	240
1,2-Dichloropropane		ND		7.8	240
1,3,5-Trimethylbenzene		ND		5.5	240
1,3-Dichlorobenzene		ND		4.5	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.6	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		41	950
2-Chlorotoluene		ND		8.5	240
2-Hexanone		ND		19	950
Allyl chloride		ND		50	470
4-Chlorotoluene		ND		9.4	240
4-Methyl-2-pentanone (MIBK)		ND		45	950
Acetone		ND		160	950
Benzene		ND		11	240
Bromobenzene		ND		12	240
Bromochloromethane		ND		12	240
Bromodichloromethane		ND		9.4	240
Bromoform		ND		18	240
Bromomethane		ND		27	240
Carbon disulfide		ND		11	240
Carbon tetrachloride		ND		6.1	240
Chlorobenzene		ND		6.1	240
Chloroethane		ND		58	240
Chloroform		ND		8.3	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.5	240
cis-1,3-Dichloropropene		ND		7.5	240
Cyclohexane		ND		38	470
Chlorodibromomethane		ND		11	240
Dibromomethane		ND		13	240

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140828.D
Dilution:	1.0			Initial Weight/Volume:	28.31 g
Analysis Date:	09/12/2011 1352			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	240
Dichlorofluoromethane		ND		24	470
Ethyl ether		ND		14	470
Ethylbenzene		ND		5.1	240
Hexachlorobutadiene		ND		13	240
Isopropylbenzene		ND		6.2	240
Methyl acetate		27	J	24	470
Methyl tert butyl ether		ND		6.7	950
Methylcyclohexane		ND		11	470
Methylene Chloride		ND		73	240
m-Xylene & p-Xylene		ND		5.9	470
Naphthalene		11	J B	6.3	240
n-Butylbenzene		ND		7.6	240
N-Propylbenzene		ND		13	240
o-Xylene		ND		8.0	240
p-Isopropyltoluene		ND		4.5	240
sec-Butylbenzene		ND		4.5	240
Styrene		ND		5.3	240
tert-Butylbenzene		ND		6.2	240
Tetrachloroethene		ND		11	240
Tetrahydrofuran		ND		46	950
Toluene		21	J	16	240
trans-1,2-Dichloroethene		ND		8.7	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.2	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND		17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		39 - 128
4-Bromofluorobenzene (Surr)	82		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	84		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140829.D
Dilution:	1.0			Initial Weight/Volume:	27.43 g
Analysis Date:	09/12/2011 1414			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.0	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.8	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		38	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		9.9	250
1,2,3-Trichlorobenzene		ND		9.9	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.2	250
1,2,4-Trimethylbenzene		ND		4.9	250
1,2-Dibromo-3-Chloropropane		ND		49	490
1,2-Dibromoethane		ND		9.9	250
1,2-Dichlorobenzene		ND		8.5	250
1,2-Dichloroethane		ND		9.9	250
1,2-Dichloropropane		ND		8.1	250
1,3,5-Trimethylbenzene		ND		5.7	250
1,3-Dichlorobenzene		ND		4.7	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		7.9	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		42	990
2-Chlorotoluene		ND		8.9	250
2-Hexanone		ND		20	990
Allyl chloride		ND		52	490
4-Chlorotoluene		ND		9.8	250
4-Methyl-2-pentanone (MIBK)		ND		47	990
Acetone		ND		170	990
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.8	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.3	250
Chlorobenzene		ND		6.3	250
Chloroethane		ND		60	250
Chloroform		ND		8.7	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.8	250
cis-1,3-Dichloropropene		ND		7.8	250
Cyclohexane		ND		39	490
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140829.D
Dilution:	1.0			Initial Weight/Volume:	27.43 g
Analysis Date:	09/12/2011 1414			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	490
Ethyl ether		ND		15	490
Ethylbenzene		ND		5.3	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.4	250
Methyl acetate		70	J	25	490
Methyl tert butyl ether		ND		7.0	990
Methylcyclohexane		ND		12	490
Methylene Chloride		ND		76	250
m-Xylene & p-Xylene		6.5	J	6.1	490
Naphthalene		9.2	J B	6.6	250
n-Butylbenzene		ND		7.9	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.4	250
p-Isopropyltoluene		ND		4.7	250
sec-Butylbenzene		ND		4.6	250
Styrene		ND		5.5	250
tert-Butylbenzene		ND		6.4	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		48	990
Toluene		42	J	17	250
trans-1,2-Dichloroethene		ND		9.1	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.6	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		39 - 128
4-Bromofluorobenzene (Surr)	91		26 - 141
Dibromofluoromethane (Surr)	74		30 - 122
Toluene-d8 (Surr)	92		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140830.D
Dilution:	1.0			Initial Weight/Volume:	26.88 g
Analysis Date:	09/12/2011 1435			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		23	280
1,1,2,2-Tetrachloroethane		ND		9.8	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		23	280
1,2,4-Trichlorobenzene		ND		8.0	280
1,2,4-Trimethylbenzene		ND		5.5	280
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.5	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.0	280
1,3,5-Trimethylbenzene		ND		6.4	280
1,3-Dichlorobenzene		ND		5.3	280
1,3-Dichloropropane		ND		24	280
1,4-Dichlorobenzene		ND		8.8	280
2,2-Dichloropropane		ND		25	280
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.9	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	550
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		14	280
Bromochloromethane		ND		14	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.0	280
Chlorobenzene		ND		7.0	280
Chloroethane		ND		67	280
Chloroform		ND		9.7	280
Chloromethane		ND		15	280
cis-1,2-Dichloroethene		ND		7.6	280
cis-1,3-Dichloropropene		ND		8.7	280
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		15	280

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140830.D
Dilution:	1.0			Initial Weight/Volume:	26.88 g
Analysis Date:	09/12/2011 1435			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	550
Ethyl ether		ND		17	550
Ethylbenzene		ND		5.9	280
Hexachlorobutadiene		ND		15	280
Isopropylbenzene		ND		7.2	280
Methyl acetate		78	J	28	550
Methyl tert butyl ether		ND		7.8	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		85	280
m-Xylene & p-Xylene		10	J	6.8	550
Naphthalene		9.4	J B	7.4	280
n-Butylbenzene		ND		8.8	280
N-Propylbenzene		ND		15	280
o-Xylene		ND		9.4	280
p-Isopropyltoluene		ND		5.3	280
sec-Butylbenzene		ND		5.2	280
Styrene		ND		6.2	280
tert-Butylbenzene		ND		7.2	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		54	1100
Toluene		47	J	19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	84		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	79		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140831.D
Dilution:	1.0			Initial Weight/Volume:	24.95 g
Analysis Date:	09/12/2011 1457			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.2	280
1,2,4-Trimethylbenzene		ND		5.6	280
1,2-Dibromo-3-Chloropropane		ND		56	560
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.6	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.2	280
1,3,5-Trimethylbenzene		ND		6.5	280
1,3-Dichlorobenzene		ND		5.4	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.0	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	560
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		54	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.2	280
Chlorobenzene		ND		7.2	280
Chloroethane		ND		68	280
Chloroform		ND		9.9	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.9	280
Cyclohexane		ND		45	560
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140831.D
Dilution:	1.0			Initial Weight/Volume:	24.95 g
Analysis Date:	09/12/2011 1457			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	560
Ethyl ether		ND		17	560
Ethylbenzene		ND		6.0	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.3	280
Methyl acetate		34	J	28	560
Methyl tert butyl ether		ND		8.0	1100
Methylcyclohexane		ND		13	560
Methylene Chloride		ND		86	280
m-Xylene & p-Xylene		ND		6.9	560
Naphthalene		ND		7.5	280
n-Butylbenzene		ND		9.0	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.5	280
p-Isopropyltoluene		ND		5.4	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.3	280
tert-Butylbenzene		ND		7.3	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		55	1100
Toluene		39	J	19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		39 - 128
4-Bromofluorobenzene (Surr)	91		26 - 141
Dibromofluoromethane (Surr)	72		30 - 122
Toluene-d8 (Surr)	89		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140832.D
Dilution:	1.0			Initial Weight/Volume:	28.87 g
Analysis Date:	09/12/2011 1518			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.5	230
1,1,1-Trichloroethane		ND		20	230
1,1,2,2-Tetrachloroethane		ND		8.3	230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		36	230
1,1,2-Trichloroethane		ND		11	230
1,1-Dichloroethane		ND		16	230
1,1-Dichloroethene		ND		17	230
1,1-Dichloropropene		ND		9.3	230
1,2,3-Trichlorobenzene		ND		9.3	230
1,2,3-Trichloropropane		ND		20	230
1,2,4-Trichlorobenzene		ND		6.8	230
1,2,4-Trimethylbenzene		ND		4.6	230
1,2-Dibromo-3-Chloropropane		ND		46	460
1,2-Dibromoethane		ND		9.3	230
1,2-Dichlorobenzene		ND		8.0	230
1,2-Dichloroethane		ND		9.3	230
1,2-Dichloropropane		ND		7.6	230
1,3,5-Trimethylbenzene		ND		5.4	230
1,3-Dichlorobenzene		ND		4.5	230
1,3-Dichloropropane		ND		20	230
1,4-Dichlorobenzene		ND		7.4	230
2,2-Dichloropropane		ND		21	230
2-Butanone (MEK)		ND		40	930
2-Chlorotoluene		ND		8.4	230
2-Hexanone		ND		19	930
Allyl chloride		ND		49	460
4-Chlorotoluene		ND		9.2	230
4-Methyl-2-pentanone (MIBK)		ND		45	930
Acetone		ND		160	930
Benzene		ND		11	230
Bromobenzene		ND		12	230
Bromochloromethane		ND		12	230
Bromodichloromethane		ND		9.2	230
Bromoform		ND		18	230
Bromomethane		ND		27	230
Carbon disulfide		ND		11	230
Carbon tetrachloride		ND		5.9	230
Chlorobenzene		ND		5.9	230
Chloroethane		ND		57	230
Chloroform		ND		8.2	230
Chloromethane		ND		13	230
cis-1,2-Dichloroethene		ND		6.4	230
cis-1,3-Dichloropropene		ND		7.3	230
Cyclohexane		ND		37	460
Chlorodibromomethane		ND		11	230
Dibromomethane		ND		13	230

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140832.D
Dilution:	1.0			Initial Weight/Volume:	28.87 g
Analysis Date:	09/12/2011 1518			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	230
Dichlorofluoromethane		ND		23	460
Ethyl ether		ND		14	460
Ethylbenzene		ND		5.0	230
Hexachlorobutadiene		ND		13	230
Isopropylbenzene		ND		6.0	230
Methyl acetate		26	J	23	460
Methyl tert butyl ether		ND		6.6	930
Methylcyclohexane		ND		11	460
Methylene Chloride		ND		72	230
m-Xylene & p-Xylene		ND		5.8	460
Naphthalene		ND		6.2	230
n-Butylbenzene		ND		7.4	230
N-Propylbenzene		ND		13	230
o-Xylene		ND		7.9	230
p-Isopropyltoluene		ND		4.5	230
sec-Butylbenzene		ND		4.4	230
Styrene		ND		5.2	230
tert-Butylbenzene		ND		6.0	230
Tetrachloroethene		ND		11	230
Tetrahydrofuran		ND		46	930
Toluene		30	J	16	230
trans-1,2-Dichloroethene		ND		8.5	230
trans-1,3-Dichloropropene		ND		19	230
Trichloroethene		ND		9.0	230
Trichlorofluoromethane		ND		15	230
Vinyl chloride		ND		17	230

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_7-12(20110830)**

Lab Sample ID: 240-3454-7 Date Sampled: 08/30/2011 1645
Client Matrix: Water Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9524.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1430			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	1.7	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	7.2		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_7-12(20110830)**

Lab Sample ID: 240-3454-7 Date Sampled: 08/30/2011 1645
Client Matrix: Water Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9524.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1430			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	0.19	J	0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	0.37	J	0.24	2.0
n-Butylbenzene	0.61	J	0.12	1.0
Isopropylbenzene	2.5		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	2.8		0.14	1.0
2-Butanone (MEK)	0.59	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	0.84	J	0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	0.20	J	0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	41	E	0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 129
4-Bromofluorobenzene (Surr)	106		66 - 117
Toluene-d8 (Surr)	115		74 - 115
Dibromofluoromethane (Surr)	99		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **TB-005(20110901)**

Lab Sample ID: 240-3454-8TB Date Sampled: 09/01/2011 0000
Client Matrix: Water Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9525.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1453			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1453				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **TB-005(20110901)**

Lab Sample ID: 240-3454-8TB Date Sampled: 09/01/2011 0000
Client Matrix: Water Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9525.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1453			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1453				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	0.14	J	0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 129
4-Bromofluorobenzene (Surr)	94		66 - 117
Toluene-d8 (Surr)	102		74 - 115
Dibromofluoromethane (Surr)	104		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140833.D
Dilution:	1.0			Initial Weight/Volume:	26.5 g
Analysis Date:	09/12/2011 1539			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.9	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.7	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		19	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		8.0	270
1,2,4-Trimethylbenzene		ND		5.5	270
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.4	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		9.0	270
1,3,5-Trimethylbenzene		ND		6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.8	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	550
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		190	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		32	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		67	270
Chloroform		ND		9.6	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140833.D
Dilution:	1.0			Initial Weight/Volume:	26.5 g
Analysis Date:	09/12/2011 1539			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	550
Ethyl ether		ND		16	550
Ethylbenzene		ND		5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.1	270
Methyl acetate		300	J	27	550
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		84	270
m-Xylene & p-Xylene		7.4	J	6.8	550
Naphthalene		ND		7.3	270
n-Butylbenzene		ND		8.7	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.3	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		32	J	19	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	82		26 - 141
Dibromofluoromethane (Surr)	66		30 - 122
Toluene-d8 (Surr)	81		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140834.D
Dilution:	1.0			Initial Weight/Volume:	25.61 g
Analysis Date:	09/12/2011 1601			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.4	260
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.2	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	260
1,1,2-Trichloroethane		ND		12	260
1,1-Dichloroethane		ND		18	260
1,1-Dichloroethene		ND		19	260
1,1-Dichloropropene		ND		10	260
1,2,3-Trichlorobenzene		ND		10	260
1,2,3-Trichloropropane		ND		22	260
1,2,4-Trichlorobenzene		ND		7.6	260
1,2,4-Trimethylbenzene		ND		5.2	260
1,2-Dibromo-3-Chloropropane		ND		52	520
1,2-Dibromoethane		ND		10	260
1,2-Dichlorobenzene		ND		8.9	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.5	260
1,3,5-Trimethylbenzene		ND		6.0	260
1,3-Dichlorobenzene		ND		5.0	260
1,3-Dichloropropane		ND		23	260
1,4-Dichlorobenzene		ND		8.3	260
2,2-Dichloropropane		ND		24	260
2-Butanone (MEK)		ND		45	1000
2-Chlorotoluene		ND		9.3	260
2-Hexanone		ND		21	1000
Allyl chloride		ND		55	520
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		50	1000
Acetone		ND		180	1000
Benzene		ND		12	260
Bromobenzene		ND		13	260
Bromochloromethane		ND		13	260
Bromodichloromethane		ND		10	260
Bromoform		ND		20	260
Bromomethane		ND		30	260
Carbon disulfide		ND		12	260
Carbon tetrachloride		ND		6.6	260
Chlorobenzene		ND		6.6	260
Chloroethane		ND		63	260
Chloroform		ND		9.1	260
Chloromethane		ND		14	260
cis-1,2-Dichloroethene		ND		7.1	260
cis-1,3-Dichloropropene		ND		8.2	260
Cyclohexane		ND		41	520
Chlorodibromomethane		ND		12	260
Dibromomethane		ND		14	260

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140834.D
Dilution:	1.0			Initial Weight/Volume:	25.61 g
Analysis Date:	09/12/2011 1601			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	260
Dichlorofluoromethane		ND		26	520
Ethyl ether		ND		16	520
Ethylbenzene		ND		5.6	260
Hexachlorobutadiene		ND		14	260
Isopropylbenzene		ND		6.7	260
Methyl acetate		ND		26	520
Methyl tert butyl ether		ND		7.4	1000
Methylcyclohexane		ND		12	520
Methylene Chloride		ND		80	260
m-Xylene & p-Xylene		ND		6.4	520
Naphthalene		ND		6.9	260
n-Butylbenzene		ND		8.3	260
N-Propylbenzene		ND		14	260
o-Xylene		ND		8.8	260
p-Isopropyltoluene		ND		5.0	260
sec-Butylbenzene		ND		4.9	260
Styrene		ND		5.8	260
tert-Butylbenzene		ND		6.7	260
Tetrachloroethene		ND		12	260
Tetrahydrofuran		ND		51	1000
Toluene		ND		18	260
trans-1,2-Dichloroethene		ND		9.5	260
trans-1,3-Dichloropropene		ND		21	260
Trichloroethene		ND		10	260
Trichlorofluoromethane		ND		17	260
Vinyl chloride		ND		19	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		39 - 128
4-Bromofluorobenzene (Surr)	91		26 - 141
Dibromofluoromethane (Surr)	78		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-157_0-2(20110901)**

Lab Sample ID: 240-3454-13 Date Sampled: 09/01/2011 1455
Client Matrix: Solid % Moisture: 4.2 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140835.D
Dilution:	1.0			Initial Weight/Volume:	26.93 g
Analysis Date:	09/12/2011 1622			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.8	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.6	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		38	240
1,1,2-Trichloroethane		ND		12	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.7	240
1,2,3-Trichlorobenzene		ND		9.7	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		7.1	240
1,2,4-Trimethylbenzene		ND		4.8	240
1,2-Dibromo-3-Chloropropane		ND		48	480
1,2-Dibromoethane		ND		9.7	240
1,2-Dichlorobenzene		ND		8.3	240
1,2-Dichloroethane		ND		9.7	240
1,2-Dichloropropane		ND		7.9	240
1,3,5-Trimethylbenzene		ND		5.6	240
1,3-Dichlorobenzene		ND		4.7	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.8	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		42	970
2-Chlorotoluene		ND		8.7	240
2-Hexanone		ND		19	970
Allyl chloride		ND		51	480
4-Chlorotoluene		ND		9.6	240
4-Methyl-2-pentanone (MIBK)		ND		47	970
Acetone		ND		160	970
Benzene		ND		12	240
Bromobenzene		ND		13	240
Bromochloromethane		ND		13	240
Bromodichloromethane		ND		9.6	240
Bromoform		ND		18	240
Bromomethane		ND		28	240
Carbon disulfide		ND		12	240
Carbon tetrachloride		ND		6.2	240
Chlorobenzene		ND		6.2	240
Chloroethane		ND		59	240
Chloroform		ND		8.5	240
Chloromethane		ND		14	240
cis-1,2-Dichloroethene		ND		6.7	240
cis-1,3-Dichloropropene		ND		7.7	240
Cyclohexane		ND		39	480
Chlorodibromomethane		ND		12	240
Dibromomethane		ND		14	240

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-157_0-2(20110901)**

Lab Sample ID: 240-3454-13 Date Sampled: 09/01/2011 1455
Client Matrix: Solid % Moisture: 4.2 Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140835.D
Dilution:	1.0			Initial Weight/Volume:	26.93 g
Analysis Date:	09/12/2011 1622			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	240
Dichlorofluoromethane		ND		24	480
Ethyl ether		ND		15	480
Ethylbenzene		ND		5.2	240
Hexachlorobutadiene		ND		14	240
Isopropylbenzene		ND		6.3	240
Methyl acetate		35	J	24	480
Methyl tert butyl ether		ND		6.9	970
Methylcyclohexane		ND		12	480
Methylene Chloride		ND		75	240
m-Xylene & p-Xylene		ND		6.0	480
Naphthalene		ND		6.5	240
n-Butylbenzene		ND		7.8	240
N-Propylbenzene		ND		14	240
o-Xylene		ND		8.2	240
p-Isopropyltoluene		ND		4.7	240
sec-Butylbenzene		ND		4.6	240
Styrene		ND		5.4	240
tert-Butylbenzene		ND		6.3	240
Tetrachloroethene		ND		12	240
Tetrahydrofuran		ND		47	970
Toluene		18	J	16	240
trans-1,2-Dichloroethene		ND		8.9	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.4	240
Trichlorofluoromethane		ND		16	240
Vinyl chloride		ND		17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		39 - 128
4-Bromofluorobenzene (Surr)	90		26 - 141
Dibromofluoromethane (Surr)	76		30 - 122
Toluene-d8 (Surr)	91		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **MB-007(20110901)**

Lab Sample ID: 240-3454-14 Date Sampled: 09/01/2011 0000
Client Matrix: Solid Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140836.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1643			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **MB-007(20110901)**

Lab Sample ID: 240-3454-14 Date Sampled: 09/01/2011 0000
Client Matrix: Solid Date Received: 09/02/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140836.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1643			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		39 - 128
4-Bromofluorobenzene (Surr)	96		26 - 141
Dibromofluoromethane (Surr)	80		30 - 122
Toluene-d8 (Surr)	98		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909034.D
Dilution:	2.5			Initial Weight/Volume:	30.18 g
Analysis Date:	09/09/2011 2040			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		72	880
2,2'-oxybis[1-chloropropane]		ND		25	880
2,4,5-Trichlorophenol		ND		67	880
2,4,6-Trichlorophenol		ND		210	880
2,4-Dichlorophenol		ND		53	880
2,4-Dimethylphenol		ND		53	880
2,4-Dinitrophenol		ND	*	210	4300
2,4-Dinitrotoluene		ND		72	880
2,6-Dinitrotoluene		ND		56	880
2-Chloronaphthalene		ND		8.8	880
2-Chlorophenol		ND		72	880
2-Methylnaphthalene		ND		8.8	880
2-Methylphenol		ND		210	880
2-Nitroaniline		ND		24	4300
2-Nitrophenol		ND		72	880
3,3'-Dichlorobenzidine		ND		48	4300
3-Nitroaniline		ND		43	4300
4,6-Dinitro-2-methylphenol		ND	*	210	4300
4-Bromophenyl phenyl ether		ND		35	880
4-Chloro-3-methylphenol		ND		56	880
4-Chloroaniline		ND		45	880
4-Chlorophenyl phenyl ether		ND		35	880
4-Nitroaniline		ND		69	4300
4-Nitrophenol		ND		210	4300
Acenaphthene		ND		8.8	880
Acenaphthylene		ND		8.8	880
Acetophenone		ND		25	880
Anthracene		ND		8.8	880
Atrazine		ND		24	880
Benzaldehyde		ND		32	880
Benzo[a]anthracene		ND		8.8	880
Benzo[a]pyrene		ND		8.8	880
Benzo[b]fluoranthene		ND		8.8	880
Benzo[g,h,i]perylene		ND		8.8	880
Benzo[k]fluoranthene		ND		8.8	880
Bis(2-chloroethoxy)methane		ND		59	880
Bis(2-chloroethyl)ether		ND		5.3	880
Bis(2-ethylhexyl) phthalate		ND		51	880
Butyl benzyl phthalate		ND		27	880
Caprolactam		ND		99	880
Carbazole		ND		72	880
Chrysene		ND		2.9	880
Dibenz(a,h)anthracene		ND		8.8	880
Dibenzofuran		ND		8.8	880
Diethyl phthalate		ND		43	880
Dimethyl phthalate		ND		45	880

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909034.D
Dilution:	2.5			Initial Weight/Volume:	30.18 g
Analysis Date:	09/09/2011 2040			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		40	880
Di-n-octyl phthalate		ND		72	880
Fluoranthene		ND		8.8	880
Fluorene		ND		8.8	880
Hexachlorobenzene		ND		5.6	880
Hexachlorobutadiene		ND		72	880
Hexachlorocyclopentadiene		ND		72	4300
Hexachloroethane		ND		24	880
Indeno[1,2,3-cd]pyrene		ND		8.8	880
Isophorone		ND		35	880
Naphthalene		ND		8.8	880
Nitrobenzene		ND		5.9	880
N-Nitrosodi-n-propylamine		ND		72	880
N-Nitrosodiphenylamine		ND		56	880
Pentachlorophenol		ND		210	880
Phenol		ND		72	880
Phenanthrene		ND		8.8	880
Pyrene		ND		8.8	880
3 & 4 Methylphenol		ND		53	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		34 - 110
2-Fluorophenol (Surr)	68		26 - 110
2,4,6-Tribromophenol (Surr)	30		10 - 118
Nitrobenzene-d5 (Surr)	57		24 - 112
Phenol-d5 (Surr)	71		28 - 110
Terphenyl-d14 (Surr)	77		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909023.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/09/2011 1716			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		29	360
2,2'-oxybis[1-chloropropane]		ND		10	360
2,4,5-Trichlorophenol		ND		27	360
2,4,6-Trichlorophenol		ND		86	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND	*	86	1700
2,4-Dinitrotoluene		ND		29	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		29	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		86	360
2-Nitroaniline		ND		9.8	1700
2-Nitrophenol		ND		29	360
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND	*	86	1700
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		18	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		28	1700
4-Nitrophenol		ND		86	1700
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Acetophenone		ND		9.9	360
Anthracene		ND		3.6	360
Atrazine		ND		9.8	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		21	J B	21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		40	360
Carbazole		ND		29	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		17	360
Dimethyl phthalate		ND		18	360

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909023.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/09/2011 1716			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	360
Di-n-octyl phthalate		ND		29	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		29	360
Hexachlorocyclopentadiene		ND		29	1700
Hexachloroethane		ND		9.7	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Isophorone		ND		14	360
Naphthalene		ND		3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		29	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		86	360
Phenol		ND		29	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360
3 & 4 Methylphenol		ND		22	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
2,4,6-Tribromophenol (Surr)	47		10 - 118
Nitrobenzene-d5 (Surr)	56		24 - 112
Phenol-d5 (Surr)	62		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909027.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	09/09/2011 1830			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		32	390
2,2'-oxybis[1-chloropropane]		ND		11	390
2,4,5-Trichlorophenol		ND		30	390
2,4,6-Trichlorophenol		ND		95	390
2,4-Dichlorophenol		ND		24	390
2,4-Dimethylphenol		ND		24	390
2,4-Dinitrophenol		ND	*	95	1900
2,4-Dinitrotoluene		ND		32	390
2,6-Dinitrotoluene		ND		25	390
2-Chloronaphthalene		ND		3.9	390
2-Chlorophenol		ND		32	390
2-Methylnaphthalene		ND		3.9	390
2-Methylphenol		ND		95	390
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		32	390
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND	*	95	1900
4-Bromophenyl phenyl ether		ND		15	390
4-Chloro-3-methylphenol		ND		25	390
4-Chloroaniline		ND		20	390
4-Chlorophenyl phenyl ether		ND		15	390
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		95	1900
Acenaphthene		ND		3.9	390
Acenaphthylene		ND		3.9	390
Acetophenone		ND		11	390
Anthracene		ND		3.9	390
Atrazine		ND		11	390
Benzaldehyde		ND		14	390
Benzo[a]anthracene		ND		3.9	390
Benzo[a]pyrene		ND		3.9	390
Benzo[b]fluoranthene		ND		3.9	390
Benzo[g,h,i]perylene		ND		3.9	390
Benzo[k]fluoranthene		ND		3.9	390
Bis(2-chloroethoxy)methane		ND		26	390
Bis(2-chloroethyl)ether		ND		2.4	390
Bis(2-ethylhexyl) phthalate		30	J B	23	390
Butyl benzyl phthalate		ND		12	390
Caprolactam		ND		44	390
Carbazole		ND		32	390
Chrysene		ND		1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Dibenzofuran		ND		3.9	390
Diethyl phthalate		ND		19	390
Dimethyl phthalate		ND		20	390

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909027.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	09/09/2011 1830			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		18	J B	18	390
Di-n-octyl phthalate		ND		32	390
Fluoranthene		ND		3.9	390
Fluorene		ND		3.9	390
Hexachlorobenzene		ND		2.5	390
Hexachlorobutadiene		ND		32	390
Hexachlorocyclopentadiene		ND		32	1900
Hexachloroethane		ND		11	390
Indeno[1,2,3-cd]pyrene		ND		3.9	390
Isophorone		ND		15	390
Naphthalene		ND		3.9	390
Nitrobenzene		ND		2.6	390
N-Nitrosodi-n-propylamine		ND		32	390
N-Nitrosodiphenylamine		ND		25	390
Pentachlorophenol		ND		95	390
Phenol		ND		32	390
Phenanthrene		ND		3.9	390
Pyrene		ND		3.9	390
3 & 4 Methylphenol		ND		24	470

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	50		34 - 110
2-Fluorophenol (Surr)	58		26 - 110
2,4,6-Tribromophenol (Surr)	44		10 - 118
Nitrobenzene-d5 (Surr)	50		24 - 112
Phenol-d5 (Surr)	59		28 - 110
Terphenyl-d14 (Surr)	74		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909035.D
Dilution:	2.5			Initial Weight/Volume:	29.80 g
Analysis Date:	09/09/2011 2058			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		76	930
2,2'-oxybis[1-chloropropane]		ND		27	930
2,4,5-Trichlorophenol		ND		70	930
2,4,6-Trichlorophenol		ND		230	930
2,4-Dichlorophenol		ND		56	930
2,4-Dimethylphenol		ND		56	930
2,4-Dinitrophenol		ND	*	230	4500
2,4-Dinitrotoluene		ND		76	930
2,6-Dinitrotoluene		ND		59	930
2-Chloronaphthalene		ND		9.3	930
2-Chlorophenol		ND		76	930
2-Methylnaphthalene		ND		9.3	930
2-Methylphenol		ND		230	930
2-Nitroaniline		ND		26	4500
2-Nitrophenol		ND		76	930
3,3'-Dichlorobenzidine		ND		51	4500
3-Nitroaniline		ND		45	4500
4,6-Dinitro-2-methylphenol		ND	*	230	4500
4-Bromophenyl phenyl ether		ND		37	930
4-Chloro-3-methylphenol		ND		59	930
4-Chloroaniline		ND		48	930
4-Chlorophenyl phenyl ether		ND		37	930
4-Nitroaniline		ND		73	4500
4-Nitrophenol		ND		230	4500
Acenaphthene		ND		9.3	930
Acenaphthylene		ND		9.3	930
Acetophenone		ND		26	930
Anthracene		ND		9.3	930
Atrazine		ND		26	930
Benzaldehyde		ND		34	930
Benzo[a]anthracene		9.8	J	9.3	930
Benzo[a]pyrene		ND		9.3	930
Benzo[b]fluoranthene		ND		9.3	930
Benzo[g,h,i]perylene		ND		9.3	930
Benzo[k]fluoranthene		ND		9.3	930
Bis(2-chloroethoxy)methane		ND		62	930
Bis(2-chloroethyl)ether		ND		5.6	930
Bis(2-ethylhexyl) phthalate		ND		53	930
Butyl benzyl phthalate		ND		28	930
Caprolactam		ND		100	930
Carbazole		ND		76	930
Chrysene		29	J	3.1	930
Dibenz(a,h)anthracene		ND		9.3	930
Dibenzofuran		ND		9.3	930
Diethyl phthalate		ND		45	930
Dimethyl phthalate		ND		48	930

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909035.D
Dilution:	2.5			Initial Weight/Volume:	29.80 g
Analysis Date:	09/09/2011 2058			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		42	930
Di-n-octyl phthalate		ND		76	930
Fluoranthene		ND		9.3	930
Fluorene		ND		9.3	930
Hexachlorobenzene		ND		5.9	930
Hexachlorobutadiene		ND		76	930
Hexachlorocyclopentadiene		ND		76	4500
Hexachloroethane		ND		25	930
Indeno[1,2,3-cd]pyrene		ND		9.3	930
Isophorone		ND		37	930
Naphthalene		ND		9.3	930
Nitrobenzene		ND		6.2	930
N-Nitrosodi-n-propylamine		ND		76	930
N-Nitrosodiphenylamine		ND		59	930
Pentachlorophenol		ND		230	930
Phenol		ND		76	930
Phenanthrene		ND		9.3	930
Pyrene		ND		9.3	930
3 & 4 Methylphenol		ND		56	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	73		34 - 110
2-Fluorophenol (Surr)	66		26 - 110
2,4,6-Tribromophenol (Surr)	46		10 - 118
Nitrobenzene-d5 (Surr)	58		24 - 112
Phenol-d5 (Surr)	71		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909036.D
Dilution:	2.5			Initial Weight/Volume:	30.19 g
Analysis Date:	09/09/2011 2116			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		72	880
2,2'-oxybis[1-chloropropane]		ND		25	880
2,4,5-Trichlorophenol		ND		67	880
2,4,6-Trichlorophenol		ND		210	880
2,4-Dichlorophenol		ND		53	880
2,4-Dimethylphenol		ND		53	880
2,4-Dinitrophenol		ND	*	210	4300
2,4-Dinitrotoluene		ND		72	880
2,6-Dinitrotoluene		ND		56	880
2-Chloronaphthalene		ND		8.8	880
2-Chlorophenol		ND		72	880
2-Methylnaphthalene		ND		8.8	880
2-Methylphenol		ND		210	880
2-Nitroaniline		ND		24	4300
2-Nitrophenol		ND		72	880
3,3'-Dichlorobenzidine		ND		48	4300
3-Nitroaniline		ND		43	4300
4,6-Dinitro-2-methylphenol		ND	*	210	4300
4-Bromophenyl phenyl ether		ND		35	880
4-Chloro-3-methylphenol		ND		56	880
4-Chloroaniline		ND		45	880
4-Chlorophenyl phenyl ether		ND		35	880
4-Nitroaniline		ND		69	4300
4-Nitrophenol		ND		210	4300
Acenaphthene		ND		8.8	880
Acenaphthylene		ND		8.8	880
Acetophenone		ND		25	880
Anthracene		ND		8.8	880
Atrazine		ND		24	880
Benzaldehyde		ND		32	880
Benzo[a]anthracene		ND		8.8	880
Benzo[a]pyrene		ND		8.8	880
Benzo[b]fluoranthene		ND		8.8	880
Benzo[g,h,i]perylene		ND		8.8	880
Benzo[k]fluoranthene		ND		8.8	880
Bis(2-chloroethoxy)methane		ND		59	880
Bis(2-chloroethyl)ether		ND		5.3	880
Bis(2-ethylhexyl) phthalate		ND		51	880
Butyl benzyl phthalate		ND		27	880
Caprolactam		ND		99	880
Carbazole		ND		72	880
Chrysene		ND		2.9	880
Dibenz(a,h)anthracene		ND		8.8	880
Dibenzofuran		ND		8.8	880
Diethyl phthalate		ND		43	880
Dimethyl phthalate		ND		45	880

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909036.D
Dilution:	2.5			Initial Weight/Volume:	30.19 g
Analysis Date:	09/09/2011 2116			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		40	880
Di-n-octyl phthalate		ND		72	880
Fluoranthene		ND		8.8	880
Fluorene		ND		8.8	880
Hexachlorobenzene		ND		5.6	880
Hexachlorobutadiene		ND		72	880
Hexachlorocyclopentadiene		ND		72	4300
Hexachloroethane		ND		24	880
Indeno[1,2,3-cd]pyrene		ND		8.8	880
Isophorone		ND		35	880
Naphthalene		ND		8.8	880
Nitrobenzene		ND		5.9	880
N-Nitrosodi-n-propylamine		ND		72	880
N-Nitrosodiphenylamine		ND		56	880
Pentachlorophenol		ND		210	880
Phenol		ND		72	880
Phenanthrene		11	J	8.8	880
Pyrene		ND		8.8	880
3 & 4 Methylphenol		ND		53	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		34 - 110
2-Fluorophenol (Surr)	60		26 - 110
2,4,6-Tribromophenol (Surr)	39		10 - 118
Nitrobenzene-d5 (Surr)	47		24 - 112
Phenol-d5 (Surr)	70		28 - 110
Terphenyl-d14 (Surr)	85		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909024.D
Dilution:	1.0			Initial Weight/Volume:	29.92 g
Analysis Date:	09/09/2011 1735			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		31	380
2,2'-oxybis[1-chloropropane]		ND		11	380
2,4,5-Trichlorophenol		ND		29	380
2,4,6-Trichlorophenol		ND		93	380
2,4-Dichlorophenol		ND		23	380
2,4-Dimethylphenol		ND		23	380
2,4-Dinitrophenol		ND	*	93	1900
2,4-Dinitrotoluene		ND		31	380
2,6-Dinitrotoluene		ND		24	380
2-Chloronaphthalene		ND		3.8	380
2-Chlorophenol		ND		31	380
2-Methylnaphthalene		ND		3.8	380
2-Methylphenol		ND		93	380
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		31	380
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND	*	93	1900
4-Bromophenyl phenyl ether		ND		15	380
4-Chloro-3-methylphenol		ND		24	380
4-Chloroaniline		ND		20	380
4-Chlorophenyl phenyl ether		ND		15	380
4-Nitroaniline		ND		30	1900
4-Nitrophenol		ND		93	1900
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Acetophenone		ND		11	380
Anthracene		ND		3.8	380
Atrazine		ND		11	380
Benzaldehyde		ND		14	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Bis(2-chloroethoxy)methane		ND		26	380
Bis(2-chloroethyl)ether		ND		2.3	380
Bis(2-ethylhexyl) phthalate		40	J B	22	380
Butyl benzyl phthalate		ND		12	380
Caprolactam		ND		43	380
Carbazole		ND		31	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Dibenzofuran		ND		3.8	380
Diethyl phthalate		ND		19	380
Dimethyl phthalate		ND		20	380

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909024.D
Dilution:	1.0			Initial Weight/Volume:	29.92 g
Analysis Date:	09/09/2011 1735			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		32	J B	17	380
Di-n-octyl phthalate		ND		31	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Hexachlorobenzene		ND		2.4	380
Hexachlorobutadiene		ND		31	380
Hexachlorocyclopentadiene		ND		31	1900
Hexachloroethane		ND		10	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Isophorone		ND		15	380
Naphthalene		ND		3.8	380
Nitrobenzene		ND		2.6	380
N-Nitrosodi-n-propylamine		ND		31	380
N-Nitrosodiphenylamine		ND		24	380
Pentachlorophenol		ND		93	380
Phenol		ND		31	380
Phenanthrene		ND		3.8	380
Pyrene		ND		3.8	380
3 & 4 Methylphenol		ND		23	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		34 - 110
2-Fluorophenol (Surr)	72		26 - 110
2,4,6-Tribromophenol (Surr)	48		10 - 118
Nitrobenzene-d5 (Surr)	64		24 - 112
Phenol-d5 (Surr)	72		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-154_1-3(20110901)**

Lab Sample ID: 240-3454-10 Date Sampled: 09/01/2011 0910
Client Matrix: Solid % Moisture: 9.0 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909028.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Analysis Date:	09/09/2011 1849			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	360
2,2'-oxybis[1-chloropropane]		ND		10	360
2,4,5-Trichlorophenol		ND		27	360
2,4,6-Trichlorophenol		ND		88	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND	*	88	1800
2,4-Dinitrotoluene		ND		30	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		30	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		88	360
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	360
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND	*	88	1800
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		19	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		28	1800
4-Nitrophenol		ND		88	1800
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Acetophenone		ND		10	360
Anthracene		ND		3.6	360
Atrazine		ND		10	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		32	J B	21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		41	360
Carbazole		ND		30	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		18	360
Dimethyl phthalate		ND		19	360

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-154_1-3(20110901)**

Lab Sample ID: 240-3454-10 Date Sampled: 09/01/2011 0910
Client Matrix: Solid % Moisture: 9.0 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909028.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Analysis Date:	09/09/2011 1849			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	360
Di-n-octyl phthalate		ND		30	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		30	360
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		9.9	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Isophorone		ND		14	360
Naphthalene		ND		3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		30	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		88	360
Phenol		ND		30	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	55		26 - 110
2,4,6-Tribromophenol (Surr)	41		10 - 118
Nitrobenzene-d5 (Surr)	44		24 - 112
Phenol-d5 (Surr)	57		28 - 110
Terphenyl-d14 (Surr)	71		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-133_2-4(20110901)**

Lab Sample ID: 240-3454-11 Date Sampled: 09/01/2011 1215
Client Matrix: Solid % Moisture: 9.3 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909025.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	09/09/2011 1753			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	360
2,2'-oxybis[1-chloropropane]		ND		10	360
2,4,5-Trichlorophenol		ND		27	360
2,4,6-Trichlorophenol		ND		88	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND	*	88	1800
2,4-Dinitrotoluene		ND		30	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		30	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		88	360
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	360
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND	*	88	1800
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		19	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		88	1800
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Acetophenone		ND		10	360
Anthracene		ND		3.6	360
Atrazine		ND		10	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		22	J B	21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		41	360
Carbazole		ND		30	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		18	360
Dimethyl phthalate		ND		19	360

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-133_2-4(20110901)**

Lab Sample ID: 240-3454-11 Date Sampled: 09/01/2011 1215
Client Matrix: Solid % Moisture: 9.3 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909025.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	09/09/2011 1753			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	360
Di-n-octyl phthalate		ND		30	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		30	360
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		9.9	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Isophorone		ND		14	360
Naphthalene		ND		3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		30	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		88	360
Phenol		ND		30	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		34 - 110
2-Fluorophenol (Surr)	62		26 - 110
2,4,6-Tribromophenol (Surr)	50		10 - 118
Nitrobenzene-d5 (Surr)	55		24 - 112
Phenol-d5 (Surr)	61		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909037.D
Dilution:	2.5			Initial Weight/Volume:	30.10 g
Analysis Date:	09/09/2011 2135			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		71	870
2,2'-oxybis[1-chloropropane]		ND		25	870
2,4,5-Trichlorophenol		ND		66	870
2,4,6-Trichlorophenol		ND		210	870
2,4-Dichlorophenol		ND		53	870
2,4-Dimethylphenol		ND		53	870
2,4-Dinitrophenol		ND	*	210	4200
2,4-Dinitrotoluene		ND		71	870
2,6-Dinitrotoluene		ND		55	870
2-Chloronaphthalene		ND		8.7	870
2-Chlorophenol		ND		71	870
2-Methylnaphthalene		ND		8.7	870
2-Methylphenol		ND		210	870
2-Nitroaniline		ND		24	4200
2-Nitrophenol		ND		71	870
3,3'-Dichlorobenzidine		ND		48	4200
3-Nitroaniline		ND		42	4200
4,6-Dinitro-2-methylphenol		ND	*	210	4200
4-Bromophenyl phenyl ether		ND		34	870
4-Chloro-3-methylphenol		ND		55	870
4-Chloroaniline		ND		45	870
4-Chlorophenyl phenyl ether		ND		34	870
4-Nitroaniline		ND		69	4200
4-Nitrophenol		ND		210	4200
Acenaphthene		ND		8.7	870
Acenaphthylene		ND		8.7	870
Acetophenone		ND		24	870
Anthracene		ND		8.7	870
Atrazine		ND		24	870
Benzaldehyde		ND		32	870
Benzo[a]anthracene		ND		8.7	870
Benzo[a]pyrene		ND		8.7	870
Benzo[b]fluoranthene		ND		8.7	870
Benzo[g,h,i]perylene		ND		8.7	870
Benzo[k]fluoranthene		ND		8.7	870
Bis(2-chloroethoxy)methane		ND		58	870
Bis(2-chloroethyl)ether		ND		5.3	870
Bis(2-ethylhexyl) phthalate		ND		50	870
Butyl benzyl phthalate		ND		26	870
Caprolactam		ND		98	870
Carbazole		ND		71	870
Chrysene		12	J	2.9	870
Dibenz(a,h)anthracene		ND		8.7	870
Dibenzofuran		ND		8.7	870
Diethyl phthalate		ND		42	870
Dimethyl phthalate		ND		45	870

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909037.D
Dilution:	2.5			Initial Weight/Volume:	30.10 g
Analysis Date:	09/09/2011 2135			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		40	870
Di-n-octyl phthalate		ND		71	870
Fluoranthene		ND		8.7	870
Fluorene		ND		8.7	870
Hexachlorobenzene		ND		5.5	870
Hexachlorobutadiene		ND		71	870
Hexachlorocyclopentadiene		ND		71	4200
Hexachloroethane		ND		24	870
Indeno[1,2,3-cd]pyrene		ND		8.7	870
Isophorone		ND		34	870
Naphthalene		ND		8.7	870
Nitrobenzene		ND		5.8	870
N-Nitrosodi-n-propylamine		ND		71	870
N-Nitrosodiphenylamine		ND		55	870
Pentachlorophenol		ND		210	870
Phenol		ND		71	870
Phenanthrene		ND		8.7	870
Pyrene		ND		8.7	870
3 & 4 Methylphenol		ND		53	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		34 - 110
2-Fluorophenol (Surr)	65		26 - 110
2,4,6-Tribromophenol (Surr)	28		10 - 118
Nitrobenzene-d5 (Surr)	52		24 - 112
Phenol-d5 (Surr)	65		28 - 110
Terphenyl-d14 (Surr)	75		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-157_0-2(20110901)**

Lab Sample ID: 240-3454-13 Date Sampled: 09/01/2011 1455
Client Matrix: Solid % Moisture: 4.2 Date Received: 09/02/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14528	Lab File ID:	0909026.D
Dilution:	1.0			Initial Weight/Volume:	29.94 g
Analysis Date:	09/09/2011 1812			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.5	350
Acenaphthene		ND		3.5	350
Acenaphthylene		ND		3.5	350
Anthracene		ND		3.5	350
Benzo[a]anthracene		23	J	3.5	350
Benzo[a]pyrene		22	J	3.5	350
Benzo[b]fluoranthene		34	J	3.5	350
Benzo[g,h,i]perylene		16	J	3.5	350
Benzo[k]fluoranthene		12	J	3.5	350
Chrysene		27	J	1.2	350
Dibenz(a,h)anthracene		4.6	J	3.5	350
Fluoranthene		43	J	3.5	350
Fluorene		ND		3.5	350
Indeno[1,2,3-cd]pyrene		19	J	3.5	350
Naphthalene		ND		3.5	350
Phenanthrene		20	J	3.5	350
Pyrene		32	J	3.5	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42		10 - 118
2-Fluorobiphenyl (Surr)	54		34 - 110
2-Fluorophenol (Surr)	64		26 - 110
Nitrobenzene-d5 (Surr)	54		24 - 112
Phenol-d5 (Surr)	63		28 - 110
Terphenyl-d14 (Surr)	77		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_0-2(20110830)**

Lab Sample ID: 240-3454-1 Date Sampled: 08/30/2011 1620
Client Matrix: Solid % Moisture: 6.2 Date Received: 09/02/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090922.D
Dilution:	1.0			Initial Weight/Volume:	27.26 g
Analysis Date:	09/09/2011 2328			Final Weight/Volume:	27.3 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND	*	0.34	11

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_7-12(20110830)**

Lab Sample ID: 240-3454-7 Date Sampled: 08/30/2011 1645
Client Matrix: Water Date Received: 09/02/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14588	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF090811.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/08/2011 1412			Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1412			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	510		52	200

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-157_0-2(20110901)**

Lab Sample ID: 240-3454-13 Date Sampled: 09/01/2011 1455
Client Matrix: Solid % Moisture: 4.2 Date Received: 09/02/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090923.D
Dilution:	1.0			Initial Weight/Volume:	29.28 g
Analysis Date:	09/10/2011 0007			Final Weight/Volume:	29.3 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND	*	0.33	10

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	29.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 1829			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		29 - 151
DCB Decachlorobiphenyl	71		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	29.91 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 1844			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	36
Aroclor-1221		ND		17	36
Aroclor-1232		ND		15	36
Aroclor-1242		ND		14	36
Aroclor-1248		ND		18	36
Aroclor-1254		ND		18	36
Aroclor-1260		ND		18	36

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		29 - 151
DCB Decachlorobiphenyl	80		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	29.98 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 1859			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		17	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		29 - 151
DCB Decachlorobiphenyl	81		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	30.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 2011			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		14	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		29 - 151
DCB Decachlorobiphenyl	66		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 2025			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		29 - 151
DCB Decachlorobiphenyl	71		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	29.93 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 2040			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		19	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		20	38
Aroclor-1254		ND		20	38
Aroclor-1260		ND		20	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		29 - 151
DCB Decachlorobiphenyl	81		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-154_1-3(20110901)**

Lab Sample ID: 240-3454-10 Date Sampled: 09/01/2011 0910
Client Matrix: Solid % Moisture: 9.0 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	29.94 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 2054			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	36
Aroclor-1221		ND		18	36
Aroclor-1232		ND		15	36
Aroclor-1242		ND		14	36
Aroclor-1248		ND		19	36
Aroclor-1254		ND		19	36
Aroclor-1260		ND		19	36

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		29 - 151
DCB Decachlorobiphenyl	76		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-133_2-4(20110901)**

Lab Sample ID: 240-3454-11 Date Sampled: 09/01/2011 1215
Client Matrix: Solid % Moisture: 9.3 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 2109			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	36
Aroclor-1221		ND		18	36
Aroclor-1232		ND		15	36
Aroclor-1242		ND		14	36
Aroclor-1248		ND		19	36
Aroclor-1254		ND		19	36
Aroclor-1260		ND		19	36

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		29 - 151
DCB Decachlorobiphenyl	73		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-14434	Initial Weight/Volume:	29.98 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/08/2011 1913			Injection Volume:	1 mL
Prep Date:	09/06/2011 1125			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		22	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		29 - 151
DCB Decachlorobiphenyl	79		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15000	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5091219.D
Dilution:	1.0			Initial Weight/Volume:	29.02 g
Analysis Date:	09/12/2011 1958			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.8	J * B	1.1	8.9

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090609.D
Dilution:	1.0			Initial Weight/Volume:	27.57 g
Analysis Date:	09/06/2011 1352			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.7	J B *	1.2	9.4

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090610.D
Dilution:	1.0			Initial Weight/Volume:	28.51 g
Analysis Date:	09/06/2011 1421			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.3	J B *	1.2	10

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090611.D
Dilution:	1.0			Initial Weight/Volume:	28.36 g
Analysis Date:	09/06/2011 1450			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		18	B *	1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090612.D
Dilution:	1.0			Initial Weight/Volume:	28.89 g
Analysis Date:	09/06/2011 1518			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		17	B *	1.1	8.9

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090613.D
Dilution:	1.0			Initial Weight/Volume:	28.03 g
Analysis Date:	09/06/2011 1547			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.2	J B *	1.2	9.9

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-154_1-3(20110901)**

Lab Sample ID: 240-3454-10 Date Sampled: 09/01/2011 0910
Client Matrix: Solid % Moisture: 9.0 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090614.D
Dilution:	1.0			Initial Weight/Volume:	28.5 g
Analysis Date:	09/06/2011 1616			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.1	J B *	1.2	9.3

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-133_2-4(20110901)**

Lab Sample ID: 240-3454-11 Date Sampled: 09/01/2011 1215
Client Matrix: Solid % Moisture: 9.3 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090615.D
Dilution:	1.0			Initial Weight/Volume:	28.37 g
Analysis Date:	09/06/2011 1645			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.8	J B *	1.2	9.3

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15000	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5091220.D
Dilution:	1.0			Initial Weight/Volume:	29.36 g
Analysis Date:	09/12/2011 2027			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.9	J * B	1.1	8.7

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-157_0-2(20110901)**

Lab Sample ID: 240-3454-13 Date Sampled: 09/01/2011 1455
Client Matrix: Solid % Moisture: 4.2 Date Received: 09/02/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-14286	Lab File ID:	P5090617.D
Dilution:	1.0			Initial Weight/Volume:	27.36 g
Analysis Date:	09/06/2011 1743			Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.0	J B *	1.1	9.2

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_0-2(20110830)**

Lab Sample ID: 240-3454-1 Date Sampled: 08/30/2011 1620
Client Matrix: Solid % Moisture: 6.2 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	09/06/2011 1521			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		51		0.19	0.30

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615
Client Matrix: Solid % Moisture: 6.7 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/06/2011 1544			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		19	B	0.069	19
Cadmium		ND		0.035	0.19
Chromium		11		0.19	0.49
Silver		ND		0.097	0.49
Arsenic		2.1		0.29	0.97
Lead		6.1		0.19	0.29
Selenium		ND		0.44	0.49

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	09/06/2011 1707			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.031	J	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710
Client Matrix: Solid % Moisture: 7.5 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.13 g
Analysis Date:	09/06/2011 1550			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		21	B	0.068	19
Cadmium		ND		0.034	0.19
Chromium		12		0.19	0.48
Silver		ND		0.096	0.48
Arsenic		5.0		0.29	0.96
Lead		4.5		0.18	0.29
Selenium		0.45	J	0.43	0.48

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.71 g
Analysis Date:	09/06/2011 1710			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.014	0.091

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540
Client Matrix: Solid % Moisture: 15.5 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	09/06/2011 1555			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		23	B	0.073	21
Cadmium		ND		0.037	0.21
Chromium		14		0.21	0.51
Silver		ND		0.10	0.51
Arsenic		2.2		0.31	1.0
Lead		4.3		0.20	0.31
Selenium		ND		0.46	0.51

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	09/06/2011 1712			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950
Client Matrix: Solid % Moisture: 10.6 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.30 g
Analysis Date:	09/06/2011 1601			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		25	B	0.061	17
Cadmium		ND		0.031	0.17
Chromium		7.4		0.17	0.43
Silver		ND		0.086	0.43
Arsenic		1.5		0.26	0.86
Lead		3.0		0.16	0.26
Selenium		ND		0.39	0.43

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.88 g
Analysis Date:	09/06/2011 1713			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.012	J	0.011	0.076

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040
Client Matrix: Solid % Moisture: 6.8 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	09/06/2011 1618			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		24	B	0.069	19
Cadmium		ND		0.035	0.19
Chromium		8.5		0.19	0.48
Silver		0.13	J	0.097	0.48
Arsenic		1.5		0.29	0.97
Lead		2.6		0.18	0.29
Selenium		ND		0.44	0.48

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.77 g
Analysis Date:	09/06/2011 1714			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.013	0.084

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-145_7-12(20110830)**

Lab Sample ID: 240-3454-7 Date Sampled: 08/30/2011 1645
Client Matrix: Water Date Received: 09/02/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-14591	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-14415	Lab File ID:	I60907A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2011 1416			Final Weight/Volume:	50 mL
Prep Date:	09/06/2011 1036				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	ND		1.9	3.0

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/06/2011 1624			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		53	B	0.075	21
Cadmium		ND		0.038	0.21
Chromium		11		0.21	0.53
Silver		ND		0.11	0.53
Arsenic		4.6		0.32	1.1
Lead		4.4		0.20	0.32
Selenium		ND		0.47	0.53

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.78 g
Analysis Date:	09/06/2011 1718			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.034	J	0.013	0.089

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-154_1-3(20110901)**

Lab Sample ID: 240-3454-10 Date Sampled: 09/01/2011 0910
Client Matrix: Solid % Moisture: 9.0 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/06/2011 1629			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		27	B	0.071	20
Cadmium		ND		0.036	0.20
Chromium		6.6		0.20	0.50
Silver		ND		0.10	0.50
Arsenic		1.7		0.30	1.0
Lead		2.6		0.19	0.30
Selenium		ND		0.45	0.50

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.94 g
Analysis Date:	09/06/2011 1720			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.028	J	0.011	0.070

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-133_2-4(20110901)**

Lab Sample ID: 240-3454-11 Date Sampled: 09/01/2011 1215
Client Matrix: Solid % Moisture: 9.3 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.26 g
Analysis Date:	09/06/2011 1635			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		14	J B	0.062	18
Cadmium		ND		0.032	0.18
Chromium		4.1		0.18	0.44
Silver		ND		0.088	0.44
Arsenic		1.1		0.26	0.88
Lead		1.2		0.17	0.26
Selenium		0.49		0.39	0.44

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.76 g
Analysis Date:	09/06/2011 1721			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.013	0.087

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/02/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-14431	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	09/06/2011 1641			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		23	B	0.068	19
Cadmium		ND		0.034	0.19
Chromium		8.6		0.19	0.48
Silver		0.25	J	0.096	0.48
Arsenic		2.2		0.29	0.96
Lead		2.2		0.18	0.29
Selenium		ND		0.43	0.48

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-14550	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.74 g
Analysis Date:	09/06/2011 1722			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.013	0.086

General Chemistry

Client Sample ID: **ASB-145_0-2(20110830)**

Lab Sample ID: 240-3454-1 Date Sampled: 08/30/2011 1620

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	6.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-151_0-2(20110831)**

Lab Sample ID: 240-3454-2 Date Sampled: 08/31/2011 1615

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	6.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-152_4-6(20110831)**

Lab Sample ID: 240-3454-3 Date Sampled: 08/31/2011 1710

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	7.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-150_2-4(20110831)**

Lab Sample ID: 240-3454-4 Date Sampled: 08/31/2011 1540

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-155_0-2(20110901)**

Lab Sample ID: 240-3454-5 Date Sampled: 09/01/2011 0950

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-156_0-2(20110901)**

Lab Sample ID: 240-3454-6 Date Sampled: 09/01/2011 1040

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	6.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-153_2-4(20110901)**

Lab Sample ID: 240-3454-9 Date Sampled: 09/01/2011 0820

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-154_1-3(20110901)**

Lab Sample ID: 240-3454-10 Date Sampled: 09/01/2011 0910

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	9.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-133_2-4(20110901)**

Lab Sample ID: 240-3454-11 Date Sampled: 09/01/2011 1215

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	9.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-149_0-2(20110831)**

Lab Sample ID: 240-3454-12 Date Sampled: 08/31/2011 1450

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	5.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-157_0-2(20110901)**

Lab Sample ID: 240-3454-13 Date Sampled: 09/01/2011 1455

Client Matrix: Solid Date Received: 09/02/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N
Percent Moisture	4.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14395	Analysis Date: 09/06/2011 1013						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
General Chemistry		
	F	Duplicate RPD exceeds the control limit

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14890					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14890/1-A	Method Blank	T	Solid	5035	
240-3454-1	ASB-145_0-2(20110830)	T	Solid	5035	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	5035	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	5035	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	5035	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	5035	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	5035	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	5035	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	5035	
240-3454-13	ASB-157_0-2(20110901)	T	Solid	5035	
240-3454-14	MB-007(20110901)	T	Solid	5035	
Analysis Batch:240-14988					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	8260B	240-14890
MB 240-14890/1-A	Method Blank	T	Solid	8260B	240-14890
240-3454-1	ASB-145_0-2(20110830)	T	Solid	8260B	240-14890
240-3454-2	ASB-151_0-2(20110831)	T	Solid	8260B	240-14890
240-3454-3	ASB-152_4-6(20110831)	T	Solid	8260B	240-14890
240-3454-4	ASB-150_2-4(20110831)	T	Solid	8260B	240-14890
240-3454-5	ASB-155_0-2(20110901)	T	Solid	8260B	240-14890
240-3454-6	ASB-156_0-2(20110901)	T	Solid	8260B	240-14890
240-3454-9	ASB-153_2-4(20110901)	T	Solid	8260B	240-14890
240-3454-12	ASB-149_0-2(20110831)	T	Solid	8260B	240-14890
240-3454-13	ASB-157_0-2(20110901)	T	Solid	8260B	240-14890
240-3454-14	MB-007(20110901)	T	Solid	8260B	240-14890
Analysis Batch:240-15099					
LCS 240-15099/4	Lab Control Sample	T	Water	8260B	
MB 240-15099/5	Method Blank	T	Water	8260B	
240-3454-7	ASB-145_7-12(20110830)	T	Water	8260B	
240-3454-7MS	Matrix Spike	T	Water	8260B	
240-3454-7MSD	Matrix Spike Duplicate	T	Water	8260B	
240-3454-8TB	TB-005(20110901)	T	Water	8260B	

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-14528					
LCS 240-14528/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-14528/17-A	Method Blank	T	Solid	3540C	
240-3408-E-4-B MS	Matrix Spike	T	Solid	3540C	
240-3408-E-4-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	3540C	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	3540C	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	3540C	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	3540C	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	3540C	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	3540C	
240-3454-10	ASB-154_1-3(20110901)	T	Solid	3540C	
240-3454-11	ASB-133_2-4(20110901)	T	Solid	3540C	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	3540C	
240-3454-13	ASB-157_0-2(20110901)	T	Solid	3540C	
Analysis Batch:240-14794					
LCS 240-14528/18-A	Lab Control Sample	T	Solid	8270C	240-14528
MB 240-14528/17-A	Method Blank	T	Solid	8270C	240-14528
240-3408-E-4-B MS	Matrix Spike	T	Solid	8270C	240-14528
240-3408-E-4-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14528
240-3454-2	ASB-151_0-2(20110831)	T	Solid	8270C	240-14528
240-3454-3	ASB-152_4-6(20110831)	T	Solid	8270C	240-14528
240-3454-4	ASB-150_2-4(20110831)	T	Solid	8270C	240-14528
240-3454-5	ASB-155_0-2(20110901)	T	Solid	8270C	240-14528
240-3454-6	ASB-156_0-2(20110901)	T	Solid	8270C	240-14528
240-3454-9	ASB-153_2-4(20110901)	T	Solid	8270C	240-14528
240-3454-10	ASB-154_1-3(20110901)	T	Solid	8270C	240-14528
240-3454-11	ASB-133_2-4(20110901)	T	Solid	8270C	240-14528
240-3454-12	ASB-149_0-2(20110831)	T	Solid	8270C	240-14528
240-3454-13	ASB-157_0-2(20110901)	T	Solid	8270C	240-14528

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-14588					
LCS 240-14588/6	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-14588/12	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-14588/5	Method Blank	T	Water	WI-GRO	
240-3454-7	ASB-145_7-12(20110830)	T	Water	WI-GRO	
Prep Batch: 240-14601					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14601/1-A	Method Blank	T	Solid	5035	
240-3454-1	ASB-145_0-2(20110830)	T	Solid	5035	
240-3454-13	ASB-157_0-2(20110901)	T	Solid	5035	
Analysis Batch:240-14761					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14601
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14601
MB 240-14601/1-A	Method Blank	T	Solid	WI-GRO	240-14601
240-3454-1	ASB-145_0-2(20110830)	T	Solid	WI-GRO	240-14601
240-3454-13	ASB-157_0-2(20110901)	T	Solid	WI-GRO	240-14601

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14286					
LCS 240-14286/12-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14286/13-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14286/11-A	Method Blank	T	Solid	WI DRO PREP	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	WI DRO PREP	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	WI DRO PREP	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	WI DRO PREP	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	WI DRO PREP	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	WI DRO PREP	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	WI DRO PREP	
240-3454-10	ASB-154_1-3(20110901)	T	Solid	WI DRO PREP	
240-3454-11	ASB-133_2-4(20110901)	T	Solid	WI DRO PREP	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	WI DRO PREP	
240-3454-13	ASB-157_0-2(20110901)	T	Solid	WI DRO PREP	
Analysis Batch:240-14400					
LCS 240-14286/12-A	Lab Control Sample	T	Solid	WI-DRO	240-14286
LCSD 240-14286/13-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14286
MB 240-14286/11-A	Method Blank	T	Solid	WI-DRO	240-14286
240-3454-3	ASB-152_4-6(20110831)	T	Solid	WI-DRO	240-14286
240-3454-4	ASB-150_2-4(20110831)	T	Solid	WI-DRO	240-14286
240-3454-5	ASB-155_0-2(20110901)	T	Solid	WI-DRO	240-14286
240-3454-6	ASB-156_0-2(20110901)	T	Solid	WI-DRO	240-14286
240-3454-9	ASB-153_2-4(20110901)	T	Solid	WI-DRO	240-14286
240-3454-10	ASB-154_1-3(20110901)	T	Solid	WI-DRO	240-14286
240-3454-11	ASB-133_2-4(20110901)	T	Solid	WI-DRO	240-14286
240-3454-13	ASB-157_0-2(20110901)	T	Solid	WI-DRO	240-14286
Prep Batch: 240-14434					
LCS 240-14434/16-A	Lab Control Sample	T	Solid	3540C	
MB 240-14434/17-A	Method Blank	T	Solid	3540C	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	3540C	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	3540C	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	3540C	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	3540C	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	3540C	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	3540C	
240-3454-10	ASB-154_1-3(20110901)	T	Solid	3540C	
240-3454-11	ASB-133_2-4(20110901)	T	Solid	3540C	
240-3454-11MS	Matrix Spike	T	Solid	3540C	
240-3454-11MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	3540C	

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-14694					
LCS 240-14434/16-A	Lab Control Sample	T	Solid	8082	240-14434
MB 240-14434/17-A	Method Blank	T	Solid	8082	240-14434
240-3454-2	ASB-151_0-2(20110831)	T	Solid	8082	240-14434
240-3454-3	ASB-152_4-6(20110831)	T	Solid	8082	240-14434
240-3454-4	ASB-150_2-4(20110831)	T	Solid	8082	240-14434
240-3454-5	ASB-155_0-2(20110901)	T	Solid	8082	240-14434
240-3454-6	ASB-156_0-2(20110901)	T	Solid	8082	240-14434
240-3454-9	ASB-153_2-4(20110901)	T	Solid	8082	240-14434
240-3454-10	ASB-154_1-3(20110901)	T	Solid	8082	240-14434
240-3454-11	ASB-133_2-4(20110901)	T	Solid	8082	240-14434
240-3454-11MS	Matrix Spike	T	Solid	8082	240-14434
240-3454-11MSD	Matrix Spike Duplicate	T	Solid	8082	240-14434
240-3454-12	ASB-149_0-2(20110831)	T	Solid	8082	240-14434
Analysis Batch:240-15000					
240-3454-2	ASB-151_0-2(20110831)	T	Solid	WI-DRO	240-14286
240-3454-12	ASB-149_0-2(20110831)	T	Solid	WI-DRO	240-14286

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-14392					
LCS 240-14392/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-14392/1-A	Method Blank	T	Solid	3050B	
240-3454-1	ASB-145_0-2(20110830)	T	Solid	3050B	
240-3454-1MS	Matrix Spike	T	Solid	3050B	
240-3454-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	3050B	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	3050B	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	3050B	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	3050B	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	3050B	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	3050B	
240-3454-10	ASB-154_1-3(20110901)	T	Solid	3050B	
240-3454-11	ASB-133_2-4(20110901)	T	Solid	3050B	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	3050B	
Prep Batch: 240-14402					
LCS 240-14402/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-14402/1-A	Method Blank	T	Solid	7471A	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	7471A	
240-3454-2MS	Matrix Spike	T	Solid	7471A	
240-3454-2MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	7471A	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	7471A	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	7471A	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	7471A	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	7471A	
240-3454-10	ASB-154_1-3(20110901)	T	Solid	7471A	
240-3454-11	ASB-133_2-4(20110901)	T	Solid	7471A	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	7471A	
Prep Batch: 240-14415					
LCS 240-14415/2-A	Lab Control Sample	R	Water	3005A	
MB 240-14415/1-A	Method Blank	R	Water	3005A	
240-3454-7	ASB-145_7-12(20110830)	D	Water	3005A	
240-3454-7MS	Matrix Spike	D	Water	3005A	
240-3454-7MSD	Matrix Spike Duplicate	D	Water	3005A	

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-14431					
LCS 240-14392/2-A	Lab Control Sample	T	Solid	6010B	240-14392
MB 240-14392/1-A	Method Blank	T	Solid	6010B	240-14392
240-3454-1	ASB-145_0-2(20110830)	T	Solid	6010B	240-14392
240-3454-1MS	Matrix Spike	T	Solid	6010B	240-14392
240-3454-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-14392
240-3454-2	ASB-151_0-2(20110831)	T	Solid	6010B	240-14392
240-3454-3	ASB-152_4-6(20110831)	T	Solid	6010B	240-14392
240-3454-4	ASB-150_2-4(20110831)	T	Solid	6010B	240-14392
240-3454-5	ASB-155_0-2(20110901)	T	Solid	6010B	240-14392
240-3454-6	ASB-156_0-2(20110901)	T	Solid	6010B	240-14392
240-3454-9	ASB-153_2-4(20110901)	T	Solid	6010B	240-14392
240-3454-10	ASB-154_1-3(20110901)	T	Solid	6010B	240-14392
240-3454-11	ASB-133_2-4(20110901)	T	Solid	6010B	240-14392
240-3454-12	ASB-149_0-2(20110831)	T	Solid	6010B	240-14392
Analysis Batch:240-14550					
LCS 240-14402/2-A	Lab Control Sample	T	Solid	7471A	240-14402
MB 240-14402/1-A	Method Blank	T	Solid	7471A	240-14402
240-3454-2	ASB-151_0-2(20110831)	T	Solid	7471A	240-14402
240-3454-2MS	Matrix Spike	T	Solid	7471A	240-14402
240-3454-2MSD	Matrix Spike Duplicate	T	Solid	7471A	240-14402
240-3454-3	ASB-152_4-6(20110831)	T	Solid	7471A	240-14402
240-3454-4	ASB-150_2-4(20110831)	T	Solid	7471A	240-14402
240-3454-5	ASB-155_0-2(20110901)	T	Solid	7471A	240-14402
240-3454-6	ASB-156_0-2(20110901)	T	Solid	7471A	240-14402
240-3454-9	ASB-153_2-4(20110901)	T	Solid	7471A	240-14402
240-3454-10	ASB-154_1-3(20110901)	T	Solid	7471A	240-14402
240-3454-11	ASB-133_2-4(20110901)	T	Solid	7471A	240-14402
240-3454-12	ASB-149_0-2(20110831)	T	Solid	7471A	240-14402
Analysis Batch:240-14591					
LCS 240-14415/2-A	Lab Control Sample	R	Water	6010B	240-14415
MB 240-14415/1-A	Method Blank	R	Water	6010B	240-14415
240-3454-7	ASB-145_7-12(20110830)	D	Water	6010B	240-14415
240-3454-7MS	Matrix Spike	D	Water	6010B	240-14415
240-3454-7MSD	Matrix Spike Duplicate	D	Water	6010B	240-14415

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14395					
240-3454-1	ASB-145_0-2(20110830)	T	Solid	Moisture	
240-3454-2	ASB-151_0-2(20110831)	T	Solid	Moisture	
240-3454-3	ASB-152_4-6(20110831)	T	Solid	Moisture	
240-3454-4	ASB-150_2-4(20110831)	T	Solid	Moisture	
240-3454-5	ASB-155_0-2(20110901)	T	Solid	Moisture	
240-3454-6	ASB-156_0-2(20110901)	T	Solid	Moisture	
240-3454-6DU	Duplicate	T	Solid	Moisture	
240-3454-9	ASB-153_2-4(20110901)	T	Solid	Moisture	
240-3454-10	ASB-154_1-3(20110901)	T	Solid	Moisture	
240-3454-11	ASB-133_2-4(20110901)	T	Solid	Moisture	
240-3454-12	ASB-149_0-2(20110831)	T	Solid	Moisture	
240-3454-13	ASB-157_0-2(20110901)	T	Solid	Moisture	
240-3478-A-10 DU	Duplicate	T	Solid	Moisture	

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3454-1	ASB-145_0-2(20110830)	121	122	104	123
240-3454-2	ASB-151_0-2(20110831)	82	82	69	84
240-3454-3	ASB-152_4-6(20110831)	88	91	74	92
240-3454-4	ASB-150_2-4(20110831)	75	84	64	79
240-3454-5	ASB-155_0-2(20110901)	88	91	72	89
240-3454-6	ASB-156_0-2(20110901)	76	75	61	77
240-3454-9	ASB-153_2-4(20110901)	81	82	66	81
240-3454-12	ASB-149_0-2(20110831)	97	91	78	93
240-3454-13	ASB-157_0-2(20110901)	93	90	76	91
240-3454-14	MB-007(20110901)	100	96	80	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 240-14890/1-A		87	85	86	73
LCS 240-14890/2-A		83	91	88	76

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-3454-7	ASB-145_7-12(20110830)	102	106	115	99
240-3454-8	TB-005(20110901)	104	94	102	104
MB 240-15099/5		103	104	111	104
LCS 240-15099/4		103	111	107	100
240-3454-7 MS	ASB-145_7-12(20110830) MS	100	110	113	106
240-3454-7 MSD	ASB-145_7-12(20110830) MSD	98	116	114	109

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3454-2	ASB-151_0-2(20110831)	61	68	30	57	71	77
240-3454-3	ASB-152_4-6(20110831)	55	63	47	56	62	78
240-3454-4	ASB-150_2-4(20110831)	50	58	44	50	59	74
240-3454-5	ASB-155_0-2(20110901)	73	66	46	58	71	78
240-3454-6	ASB-156_0-2(20110901)	61	60	39	47	70	85
240-3454-9	ASB-153_2-4(20110901)	64	72	48	64	72	78
240-3454-10	ASB-154_1-3(20110901)	51	55	41	44	57	71
240-3454-11	ASB-133_2-4(20110901)	57	62	50	55	61	78
240-3454-12	ASB-149_0-2(20110831)	58	65	28	52	65	75
MB 240-14528/17-A		63	77	69	64	79	89
LCS 240-14528/18-A		81	97	79	84	99	100
240-3408-E-4-B MS		54	64	67	52	67	75
240-3408-E-4-C MSD		56	67	66	56	72	80

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3454-13	ASB-157_0-2(20110901)	42	54	64	54	63	77

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-3454-2	ASB-151_0-2(20110831)	79	71
240-3454-3	ASB-152_4-6(20110831)	77	80
240-3454-4	ASB-150_2-4(20110831)	80	81
240-3454-5	ASB-155_0-2(20110901)	68	66
240-3454-6	ASB-156_0-2(20110901)	86	71
240-3454-9	ASB-153_2-4(20110901)	83	81
240-3454-10	ASB-154_1-3(20110901)	78	76
240-3454-11	ASB-133_2-4(20110901)	82	73
240-3454-12	ASB-149_0-2(20110831)	84	79
MB 240-14434/17-A		87	94
LCS 240-14434/16-A		83	93
240-3454-11 MS	ASB-133_2-4(20110901) MS	78	87
240-3454-11 MSD	ASB-133_2-4(20110901) MSD	80	83

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Bromodichloromethane	ND		9.9	250
Cyclohexane	ND		40	500
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
1,2-Dibromoethane	ND		10	250
Dichlorofluoromethane	ND		25	500

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
2-Butanone (MEK)	ND		43	1000
4-Methyl-2-pentanone (MIBK)	ND		48	1000
m-Xylene & p-Xylene	ND		6.2	500
Methyl tert butyl ether	ND		7.1	1000
Naphthalene	11.0	J	6.7	250
Methylene Chloride	ND		77	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Methylcyclohexane	ND		12	500
Trichlorofluoromethane	ND		16	250
Chlorodibromomethane	ND		12	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Toluene-d8 (Surr)	86	33 - 134
Dibromofluoromethane (Surr)	73	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	400	80	27 - 121	
1,1,1-Trichloroethane	500	402	80	38 - 122	
1,1,2,2-Tetrachloroethane	500	545	109	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	444	89	48 - 151	
1,1,2-Trichloroethane	500	545	109	74 - 114	
1,1-Dichloroethane	500	449	90	63 - 117	
1,1-Dichloroethene	500	450	90	44 - 143	
1,1-Dichloropropene	500	476	95	60 - 123	
1,2,3-Trichlorobenzene	500	417	83	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	405	81	41 - 135	
1,2,4-Trimethylbenzene	500	500	100	62 - 133	
1,2-Dibromo-3-Chloropropane	500	408	82	10 - 129	J
1,2-Dichlorobenzene	500	469	94	68 - 118	
1,2-Dichloroethane	500	464	93	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	486	97	60 - 130	
1,3-Dichlorobenzene	500	488	98	66 - 121	
1,3-Dichloropropane	500	530	106	74 - 119	
1,4-Dichlorobenzene	500	475	95	65 - 119	
2,2-Dichloropropane	500	382	76	25 - 123	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1260	126	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
Acetone	1000	730	73	16 - 156	J
Benzene	500	490	98	70 - 117	
Bromobenzene	500	510	102	72 - 120	
Bromochloromethane	500	463	93	56 - 128	
Bromoform	500	469	94	10 - 117	
Bromomethane	500	288	58	10 - 114	
Carbon disulfide	500	306	61	10 - 132	
Carbon tetrachloride	500	374	75	29 - 118	
Chlorobenzene	500	486	97	71 - 116	
Chloroethane	500	372	74	10 - 120	
Chloroform	500	454	91	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	460	92	60 - 125	
cis-1,3-Dichloropropene	500	411	82	25 - 120	
Bromodichloromethane	500	380	76	28 - 123	
Cyclohexane	500	453	91	40 - 120	J
Dibromomethane	500	510	102	68 - 118	

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	500	283	57	10 - 110	
1,2-Dibromoethane	500	510	102	47 - 123	
Ethyl ether	500	411	82	70 - 130	J
Ethylbenzene	500	484	97	66 - 119	
Hexachlorobutadiene	500	418	84	34 - 135	
Isopropylbenzene	500	461	92	61 - 123	
Methyl acetate	500	510	102	44 - 173	
2-Butanone (MEK)	1000	1190	119	10 - 199	
4-Methyl-2-pentanone (MIBK)	1000	1150	115	49 - 121	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Methyl tert butyl ether	500	486	97	34 - 157	J
Naphthalene	500	448	90	37 - 126	
Methylene Chloride	500	397	79	27 - 172	
n-Butylbenzene	500	478	96	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	481	96	68 - 120	
p-Isopropyltoluene	500	489	98	56 - 136	
sec-Butylbenzene	500	486	97	58 - 131	
Styrene	500	439	88	60 - 120	
tert-Butylbenzene	500	498	100	58 - 128	
Tetrachloroethene	500	510	102	58 - 131	
Tetrahydrofuran	500	545	109	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	436	87	22 - 122	
Trichloroethene	500	478	96	59 - 124	
Methylcyclohexane	500	471	94	41 - 133	J
Trichlorofluoromethane	500	313	63	17 - 145	
Chlorodibromomethane	500	379	76	22 - 113	
Vinyl chloride	500	390	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	39 - 128
4-Bromofluorobenzene (Surr)	91	26 - 141
Toluene-d8 (Surr)	88	33 - 134
Dibromofluoromethane (Surr)	76	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-15099

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-15099/5	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9512.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 0959	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 0959				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Allyl chloride	ND		0.35	2.0
4-Chlorotoluene	ND		0.18	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Bromodichloromethane	ND		0.15	1.0
Cyclohexane	ND		0.12	1.0
Dibromomethane	ND		0.28	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,2-Dibromoethane	ND		0.24	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-15099

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-15099/5	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9512.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 0959	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 0959				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
Hexachlorobutadiene	ND		0.30	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
m-Xylene & p-Xylene	ND		0.24	2.0
Methyl tert butyl ether	ND		0.17	5.0
Naphthalene	ND		0.24	1.0
Methylene Chloride	0.818	J	0.33	1.0
n-Butylbenzene	ND		0.12	1.0
N-Propylbenzene	ND		0.14	1.0
o-Xylene	ND		0.14	1.0
p-Isopropyltoluene	ND		0.12	1.0
sec-Butylbenzene	ND		0.13	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Trichlorofluoromethane	ND		0.21	1.0
Chlorodibromomethane	ND		0.18	1.0
Vinyl chloride	ND		0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	63 - 129
4-Bromofluorobenzene (Surr)	104	66 - 117
Toluene-d8 (Surr)	111	74 - 115
Dibromofluoromethane (Surr)	104	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Control Sample - Batch: 240-15099

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-15099/4	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9511.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 0936	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 0936				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.43	94	72 - 116	
1,1,1-Trichloroethane	10.0	9.86	99	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.11	91	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.5	115	74 - 151	
1,1,2-Trichloroethane	10.0	9.08	91	80 - 112	
1,1-Dichloroethane	10.0	8.89	89	82 - 115	
1,1-Dichloroethene	10.0	9.78	98	78 - 131	
1,1-Dichloropropene	10.0	9.34	93	83 - 114	
1,2,3-Trichlorobenzene	10.0	7.92	79	54 - 126	
1,2,3-Trichloropropane	10.0	8.74	87	73 - 129	
1,2,4-Trichlorobenzene	10.0	7.51	75	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.06	91	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	7.64	76	42 - 136	
1,2-Dichlorobenzene	10.0	9.43	94	81 - 110	
1,2-Dichloroethane	10.0	9.17	92	71 - 127	
1,2-Dichloropropane	10.0	8.89	89	81 - 115	
1,3,5-Trimethylbenzene	10.0	8.82	88	72 - 118	
1,3-Dichlorobenzene	10.0	9.13	91	80 - 110	
1,3-Dichloropropane	10.0	9.32	93	79 - 116	
1,4-Dichlorobenzene	10.0	8.74	87	82 - 110	
2,2-Dichloropropane	10.0	9.46	95	50 - 129	
2-Chlorotoluene	10.0	8.81	88	76 - 116	
2-Hexanone	20.0	20.1	101	55 - 133	
4-Chlorotoluene	10.0	8.94	89	77 - 115	
Acetone	20.0	15.8	79	43 - 136	
Benzene	10.0	8.84	88	83 - 112	
Bromobenzene	10.0	8.44	84	76 - 115	
Bromochloromethane	10.0	9.24	92	77 - 120	
Bromoform	10.0	8.35	84	40 - 131	
Bromomethane	10.0	7.93	79	11 - 185	
Carbon disulfide	10.0	9.41	94	62 - 142	
Carbon tetrachloride	10.0	9.97	100	66 - 128	
Chlorobenzene	10.0	9.61	96	85 - 110	
Chloroethane	10.0	7.17	72	25 - 153	
Chloroform	10.0	9.26	93	79 - 117	
Chloromethane	10.0	7.71	77	44 - 126	
cis-1,2-Dichloroethene	10.0	9.21	92	80 - 113	
cis-1,3-Dichloropropene	10.0	8.16	82	61 - 115	
Bromodichloromethane	10.0	8.95	90	72 - 121	
Cyclohexane	10.0	10.2	102	54 - 121	
Dibromomethane	10.0	9.92	99	81 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Control Sample - Batch: 240-15099

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-15099/4	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9511.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 0936	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 0936				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.7	107	19 - 129	
1,2-Dibromoethane	10.0	9.75	98	79 - 113	
Ethyl ether	10.0	9.70	97	53 - 135	
Ethylbenzene	10.0	9.64	96	83 - 112	
Hexachlorobutadiene	10.0	6.51	65	36 - 134	
Isopropylbenzene	10.0	9.65	97	75 - 114	
Methyl acetate	10.0	9.35	94	58 - 131	J
2-Butanone (MEK)	20.0	17.8	89	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	18.9	95	63 - 128	
m-Xylene & p-Xylene	20.0	18.9	95	83 - 113	
Methyl tert butyl ether	10.0	9.26	93	52 - 144	
Naphthalene	10.0	7.06	71	32 - 141	
Methylene Chloride	10.0	9.92	99	66 - 131	
n-Butylbenzene	10.0	9.33	93	66 - 125	
N-Propylbenzene	10.0	9.01	90	74 - 121	
o-Xylene	10.0	9.94	99	83 - 113	
p-Isopropyltoluene	10.0	9.61	96	74 - 120	
sec-Butylbenzene	10.0	8.88	89	70 - 117	
Styrene	10.0	9.71	97	79 - 114	
tert-Butylbenzene	10.0	8.74	87	71 - 115	
Tetrachloroethene	10.0	10.1	101	79 - 114	
Tetrahydrofuran	10.0	9.65	97	23 - 143	
Toluene	10.0	9.48	95	84 - 111	
trans-1,2-Dichloroethene	10.0	9.71	97	83 - 117	
trans-1,3-Dichloropropene	10.0	9.17	92	58 - 117	
Trichloroethene	10.0	9.20	92	76 - 117	
Methylcyclohexane	10.0	11.5	115	56 - 127	
Trichlorofluoromethane	10.0	10.5	105	49 - 157	
Chlorodibromomethane	10.0	9.08	91	64 - 119	
Vinyl chloride	10.0	9.18	92	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	63 - 129
4-Bromofluorobenzene (Surr)	111	66 - 117
Toluene-d8 (Surr)	107	74 - 115
Dibromofluoromethane (Surr)	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15099

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3454-7	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9533.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1753			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1753				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3454-7	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1816			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1816				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	96	98	64 - 118	3	30		
1,1,1-Trichloroethane	95	97	68 - 121	2	30		
1,1,2,2-Tetrachloroethane	96	94	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	103	101	70 - 152	2	30		
1,1,2-Trichloroethane	150	171	75 - 115	13	30	F	F
1,1-Dichloroethane	95	95	79 - 116	0	30		
1,1-Dichloroethene	96	104	74 - 135	8	30		
1,1-Dichloropropene	93	93	80 - 114	0	30		
1,2,3-Trichlorobenzene	75	82	45 - 129	8	30		
1,2,3-Trichloropropane	84	86	67 - 132	2	30		
1,2,4-Trichlorobenzene	76	78	38 - 138	3	30		
1,2,4-Trimethylbenzene	93	93	67 - 124	0	30		
1,2-Dibromo-3-Chloropropane	82	97	32 - 139	17	30		
1,2-Dichlorobenzene	94	95	75 - 111	0	30		
1,2-Dichloroethane	94	91	68 - 129	3	30		
1,2-Dichloropropane	92	95	78 - 115	4	30		
1,3,5-Trimethylbenzene	87	86	63 - 121	0	30		
1,3-Dichlorobenzene	88	90	73 - 110	3	30		
1,3-Dichloropropane	96	97	74 - 118	1	30		
1,4-Dichlorobenzene	90	89	75 - 110	1	30		
2,2-Dichloropropane	87	88	38 - 127	1	30		
2-Chlorotoluene	84	86	69 - 117	2	30		
2-Hexanone	121	129	47 - 139	6	30		
4-Chlorotoluene	86	86	71 - 116	0	30		
Acetone	92	107	33 - 145	14	30		
Benzene	94	94	72 - 121	0	30		
Bromobenzene	81	82	71 - 116	1	30		
Bromochloromethane	92	94	73 - 121	2	30		
Bromoform	77	81	32 - 128	5	30		
Bromomethane	62	75	10 - 186	19	30		
Carbon disulfide	97	101	57 - 147	4	30		
Carbon tetrachloride	95	92	59 - 129	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15099

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3454-7	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9533.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1753			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1753				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3454-7	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1816			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1816				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	97	95	80 - 110	2	30		
Chloroethane	74	82	21 - 165	10	30		
Chloroform	97	97	76 - 118	1	30		
Chloromethane	71	76	33 - 132	7	30		
cis-1,2-Dichloroethene	98	95	70 - 120	2	30		
cis-1,3-Dichloropropene	81	83	51 - 110	3	30		
Bromodichloromethane	97	102	67 - 120	5	30		
Cyclohexane	64	76	49 - 123	8	30		
Dibromomethane	100	97	77 - 121	3	30		
Dichlorodifluoromethane	94	0	17 - 128	NC	30		F
1,2-Dibromoethane	95	95	74 - 113	0	30		
Ethyl ether	93	99	63 - 136	6	30		
Ethylbenzene	97	95	75 - 116	2	30		
Hexachlorobutadiene	60	61	27 - 132	2	30		
Isopropylbenzene	96	93	68 - 116	3	30		
Methyl acetate	87	96	47 - 130	10	30	J	J
2-Butanone (MEK)	87	89	54 - 129	2	30		
4-Methyl-2-pentanone (MIBK)	91	97	56 - 131	6	30		
m-Xylene & p-Xylene	94	95	75 - 117	2	30		
Methyl tert butyl ether	96	96	46 - 144	0	30		
Naphthalene	75	79	15 - 158	4	30		
Methylene Chloride	94	98	63 - 128	4	30		
n-Butylbenzene	87	88	56 - 127	1	30		
N-Propylbenzene	79	72	64 - 124	6	30		
o-Xylene	102	101	76 - 116	1	30		
p-Isopropyltoluene	91	92	64 - 122	1	30		
sec-Butylbenzene	84	83	60 - 119	2	30		
Styrene	99	99	71 - 117	0	30		
tert-Butylbenzene	83	84	61 - 119	1	30		
Tetrachloroethene	94	93	70 - 117	2	30		
Tetrahydrofuran	91	93	10 - 167	2	30		
Toluene	97	99	78 - 114	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15099

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3454-7	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9533.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1753			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1753				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3454-7	Analysis Batch:	240-15099	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/13/2011 1816			Final Weight/Volume:	5 mL
Prep Date:	09/13/2011 1816				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	94	99	80 - 119	6	30		
trans-1,3-Dichloropropene	88	85	46 - 116	4	30		
Trichloroethene	87	91	66 - 120	4	30		
Methylcyclohexane	-53	-5	49 - 127	13	30	4	E 4
Trichlorofluoromethane	94	86	46 - 157	8	30		
Chlorodibromomethane	88	90	56 - 118	3	30		
Vinyl chloride	89	94	49 - 130	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	98	63 - 129
4-Bromofluorobenzene (Surr)	110	116	66 - 117
Toluene-d8 (Surr)	113	114	74 - 115
Dibromofluoromethane (Surr)	106	109	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14528

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14528/17-A	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 1048	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	33.2	J	19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	39.3	J	37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14528 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-14528/17-A	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 1048	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	34.9	J	15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	63	34 - 110
2,4,6-Tribromophenol (Surr)	69	10 - 118
2-Fluorophenol (Surr)	77	26 - 110
Nitrobenzene-d5 (Surr)	64	24 - 112
Phenol-d5 (Surr)	79	28 - 110
Terphenyl-d14 (Surr)	89	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Control Sample - Batch: 240-14528

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14528/18-A	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 1106	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	562	84	50 - 130	
2,2'-oxybis[1-chloropropane]	667	492	74	36 - 116	
2,4,5-Trichlorophenol	667	608	91	42 - 110	
2,4,6-Trichlorophenol	667	513	77	37 - 110	
2,4-Dichlorophenol	667	626	94	40 - 110	
2,4-Dimethylphenol	667	612	92	28 - 110	
2,4-Dinitrophenol	667	ND	5	10 - 110	*
2,4-Dinitrotoluene	667	707	106	55 - 116	
2,6-Dinitrotoluene	667	727	109	54 - 115	
2-Chloronaphthalene	667	563	84	46 - 110	
2-Chlorophenol	667	635	95	39 - 110	
2-Methylnaphthalene	667	573	86	46 - 110	
2-Methylphenol	667	645	97	36 - 110	
2-Nitroaniline	667	665	100	47 - 124	J
2-Nitrophenol	667	619	93	35 - 110	
3,3'-Dichlorobenzidine	667	482	72	31 - 110	J
3-Nitroaniline	667	651	98	44 - 110	J
4,6-Dinitro-2-methylphenol	667	ND	9	21 - 110	*
4-Bromophenyl phenyl ether	667	590	88	53 - 112	
4-Chloro-3-methylphenol	667	680	102	42 - 110	
4-Chloroaniline	667	572	86	25 - 110	
4-Chlorophenyl phenyl ether	667	597	89	53 - 110	
4-Nitroaniline	667	665	100	50 - 110	J
4-Nitrophenol	667	524	79	24 - 117	J
Acenaphthene	667	575	86	46 - 110	
Acenaphthylene	667	591	89	47 - 110	
Acetophenone	667	613	92	50 - 130	
Anthracene	667	611	92	56 - 111	
Atrazine	667	760	114	50 - 130	
Benzaldehyde	667	515	77	10 - 130	
Benzo[a]anthracene	667	593	89	58 - 111	
Benzo[a]pyrene	667	563	84	44 - 115	
Benzo[b]fluoranthene	667	592	89	43 - 124	
Benzo[g,h,i]perylene	667	673	101	44 - 120	
Benzo[k]fluoranthene	667	625	94	38 - 122	
Bis(2-chloroethoxy)methane	667	603	90	42 - 110	
Bis(2-chloroethyl)ether	667	525	79	41 - 110	
Bis(2-ethylhexyl) phthalate	667	641	96	56 - 123	
Butyl benzyl phthalate	667	656	98	57 - 121	
Caprolactam	667	544	82	50 - 130	
Carbazole	667	627	94	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Lab Control Sample - Batch: 240-14528

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14528/18-A	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/09/2011 1106	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	615	92	56 - 111	
Dibenz(a,h)anthracene	667	673	101	45 - 122	
Dibenzofuran	667	600	90	50 - 110	
Diethyl phthalate	667	631	95	55 - 114	
Dimethyl phthalate	667	659	99	54 - 112	
Di-n-butyl phthalate	667	680	102	57 - 119	
Di-n-octyl phthalate	667	589	88	45 - 123	
Fluoranthene	667	651	98	55 - 118	
Fluorene	667	601	90	51 - 110	
Hexachlorobenzene	667	569	85	51 - 110	
Hexachlorobutadiene	667	399	60	39 - 110	
Hexachlorocyclopentadiene	667	217	32	10 - 110	J
Hexachloroethane	667	349	52	38 - 110	
Indeno[1,2,3-cd]pyrene	667	616	92	45 - 121	
Isophorone	667	597	90	46 - 117	
Naphthalene	667	529	79	42 - 110	
Nitrobenzene	667	577	87	40 - 110	
N-Nitrosodi-n-propylamine	667	617	93	40 - 114	
N-Nitrosodiphenylamine	667	606	91	54 - 112	
Pentachlorophenol	667	167	25	10 - 110	J
Phenol	667	667	100	39 - 110	
Phenanthrene	667	587	88	54 - 110	
Pyrene	667	602	90	58 - 113	
3 & 4 Methylphenol	1330	1350	102	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	81	34 - 110
2,4,6-Tribromophenol (Surr)	79	10 - 118
2-Fluorophenol (Surr)	97	26 - 110
Nitrobenzene-d5 (Surr)	84	24 - 112
Phenol-d5 (Surr)	99	28 - 110
Terphenyl-d14 (Surr)	100	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14528

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3408-E-4-B MS	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1926			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3408-E-4-C MSD	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1944			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	58	61	50 - 130	4	30		
2,2'-oxybis[1-chloropropane]	53	55	25 - 124	3	30		
2,4,5-Trichlorophenol	71	69	32 - 112	3	30		
2,4,6-Trichlorophenol	63	69	22 - 110	9	30		
2,4-Dichlorophenol	68	72	33 - 110	6	30		
2,4-Dimethylphenol	66	69	19 - 114	4	30		
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
2,4-Dinitrotoluene	75	75	42 - 118	0	30		
2,6-Dinitrotoluene	74	75	28 - 137	2	30		
2-Chloronaphthalene	58	60	40 - 110	4	30		
2-Chlorophenol	66	71	32 - 110	7	30		
2-Methylnaphthalene	66	68	10 - 200	3	30		
2-Methylphenol	81	80	19 - 124	1	30		
2-Nitroaniline	70	74	31 - 141	7	30	J	J
2-Nitrophenol	64	63	17 - 110	0	30		
3,3'-Dichlorobenzidine	28	0	10 - 110	NC	30	J	F
3-Nitroaniline	59	66	24 - 110	10	30	J	J
4,6-Dinitro-2-methylphenol	0	0	10 - 110	NC	30	F	F
4-Bromophenyl phenyl ether	65	70	44 - 120	8	30		
4-Chloro-3-methylphenol	79	82	32 - 117	3	30		
4-Chloroaniline	37	40	11 - 110	9	30	J	J
4-Chlorophenyl phenyl ether	69	73	47 - 116	5	30		
4-Nitroaniline	65	78	23 - 124	18	30	J	J
4-Nitrophenol	82	76	10 - 125	7	30	J	J
Acenaphthene	62	65	10 - 200	4	30		
Acenaphthylene	63	65	10 - 200	3	30		
Acetophenone	66	70	50 - 130	5	30		
Anthracene	68	72	10 - 200	7	30		
Atrazine	77	83	50 - 130	8	30		
Benzaldehyde	57	59	10 - 130	3	30		
Benzo[a]anthracene	67	72	10 - 200	7	30		
Benzo[a]pyrene	62	64	10 - 200	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14528

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3408-E-4-B MS	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1926			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3408-E-4-C MSD	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1944			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	76	78	10 - 200	2	30		
Benzo[g,h,i]perylene	69	71	10 - 200	3	30		
Benzo[k]fluoranthene	65	67	10 - 200	4	30		
Bis(2-chloroethoxy)methane	59	59	36 - 110	1	30		
Bis(2-chloroethyl)ether	63	64	32 - 118	1	30		
Bis(2-ethylhexyl) phthalate	73	85	10 - 200	13	30		
Butyl benzyl phthalate	74	81	43 - 138	8	30		
Caprolactam	28	68	50 - 130	70	30	J F	F
Carbazole	67	72	10 - 162	8	30		
Chrysene	67	75	10 - 200	11	30		
Dibenz(a,h)anthracene	72	0	10 - 200	NC	30		F
Dibenzofuran	66	68	10 - 200	3	30		
Diethyl phthalate	68	71	48 - 118	5	30		
Dimethyl phthalate	69	63	47 - 116	8	30		
Di-n-butyl phthalate	71	77	31 - 145	7	30		
Di-n-octyl phthalate	78	83	10 - 182	6	30		
Fluoranthene	76	79	10 - 200	3	30		
Fluorene	68	71	10 - 187	4	30		
Hexachlorobenzene	64	69	37 - 122	8	30		
Hexachlorobutadiene	56	56	30 - 110	0	30		
Hexachlorocyclopentadiene	0	0	10 - 110	NC	30	F	F
Hexachloroethane	53	52	13 - 110	1	30		
Indeno[1,2,3-cd]pyrene	66	68	10 - 200	3	30		
Isophorone	57	57	32 - 129	0	30		
Naphthalene	59	59	10 - 200	1	30		
Nitrobenzene	56	58	33 - 111	4	30		
N-Nitrosodi-n-propylamine	61	63	30 - 121	4	30		
N-Nitrosodiphenylamine	62	68	10 - 169	9	30		
Pentachlorophenol	41	38	10 - 182	6	30	J	J
Phenol	67	72	10 - 144	8	30		
Phenanthrene	65	69	10 - 200	6	30		
Pyrene	68	74	10 - 200	8	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14528

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3408-E-4-B MS	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1926			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3408-E-4-C MSD	Analysis Batch:	240-14794	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14528	Lab File ID:	0909031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	09/09/2011 1944			Final Weight/Volume:	2 mL
Prep Date:	09/07/2011 1350			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	75	76	27 - 116	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	54	56	34 - 110
2,4,6-Tribromophenol (Surr)	67	66	10 - 118
2-Fluorophenol (Surr)	64	67	26 - 110
Nitrobenzene-d5 (Surr)	52	56	24 - 112
Phenol-d5 (Surr)	67	72	28 - 110
Terphenyl-d14 (Surr)	75	80	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14588

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-14588/5	Analysis Batch:	240-14588	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF090805.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/08/2011 1012	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1012			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14588

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-14588/6	Analysis Batch:	240-14588	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF090806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	09/08/2011 1052	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1052			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14588/12	Analysis Batch:	240-14588	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF090812.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/08/2011 1452	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/08/2011 1452			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	89	95	80 - 120	7	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-14601/1-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1214	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14601/2-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1254	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14601/3-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/10/2011 0045	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	82	83	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14434

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-14434/17-A	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-14434	Lab File ID:	P1290824.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/08/2011 2222	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/06/2011 1125			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	87	29 - 151
DCB Decachlorobiphenyl	94	14 - 163

Lab Control Sample - Batch: 240-14434

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-14434/16-A	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-14434	Lab File ID:	P1290823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/08/2011 2207	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/06/2011 1125			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	303	91	62 - 120	
Aroclor-1260	333	318	95	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	29 - 151
DCB Decachlorobiphenyl	93	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14434

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3454-11	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-14434	Lab File ID:	P1290821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.90 g
Analysis Date:	09/08/2011 2139			Final Weight/Volume:	10 mL
Prep Date:	09/06/2011 1125			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3454-11	Analysis Batch:	240-14694	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-14434	Lab File ID:	P1290822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	09/08/2011 2153			Final Weight/Volume:	10 mL
Prep Date:	09/06/2011 1125			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	92	89	22 - 157	5	30		
Aroclor-1260	92	89	13 - 161	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	78	80	29 - 151
DCB Decachlorobiphenyl	87	83	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14286

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14286/11-A	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-14286	Lab File ID:	P5090606.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1226	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	1.57	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14286

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14286/12-A	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-14286	Lab File ID:	P5090607.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1255	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14286/13-A	Analysis Batch:	240-14400	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-14286	Lab File ID:	P5090618.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/06/2011 1812	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/03/2011 0708			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	69	89	70 - 120	25	20	*	*

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14392

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-14392/1-A	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/06/2011 1510	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.110	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-14392

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-14392/2-A	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/06/2011 1516	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	197	99	80 - 120	
Cadmium	5.00	5.16	103	80 - 120	
Chromium	20.0	20.1	100	80 - 120	
Silver	5.00	4.61	92	80 - 120	
Arsenic	200	194	97	80 - 120	
Lead	50.0	50.8	102	80 - 120	
Selenium	200	193	96	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14392

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3454-1	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	09/06/2011 1533			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3454-1	Analysis Batch:	240-14431	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-14392	Lab File ID:	I50906A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	09/06/2011 1538			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 0926				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	124	99	75 - 125	17	20		
Cadmium	108	96	75 - 125	10	20		
Chromium	172	161	75 - 125	5	20	F	F
Silver	100	94	75 - 125	5	20		
Arsenic	94	94	75 - 125	0	20		
Lead	192	105	75 - 125	34	20	F	F
Selenium	92	91	75 - 125	1	20		

Method Blank - Batch: 240-14415

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-14415/1-A	Analysis Batch:	240-14591	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-14415	Lab File ID:	I60907A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2011 1404	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/06/2011 1036				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Lead	ND		1.9	3.0

Lab Control Sample - Batch: 240-14415

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-14415/2-A	Analysis Batch:	240-14591	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-14415	Lab File ID:	I60907A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2011 1410	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/06/2011 1036				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	500	481	96	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14415

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-3454-7	Analysis Batch:	240-14591	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-14415	Lab File ID:	I60907A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2011 1428			Final Weight/Volume:	50 mL
Prep Date:	09/06/2011 1036				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3454-7	Analysis Batch:	240-14591	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-14415	Lab File ID:	I60907A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2011 1447			Final Weight/Volume:	50 mL
Prep Date:	09/06/2011 1036				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	105	103	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Method Blank - Batch: 240-14402

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-14402/1-A	Analysis Batch:	240-14550	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/06/2011 1704	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-14402

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-14402/2-A	Analysis Batch:	240-14550	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/06/2011 1705	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.825	99	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14402

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3454-2	Analysis Batch:	240-14550	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/06/2011 1708			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3454-2	Analysis Batch:	240-14550	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14402	Lab File ID:	HG10906C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/06/2011 1709			Final Weight/Volume:	100 mL
Prep Date:	09/06/2011 1440				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	97	98	11 - 192	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3454-1

Duplicate - Batch: 240-14395

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3454-6	Analysis Batch:	240-14395	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/06/2011 1013	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	93	92	2	20	
Percent Moisture	6.8	8.4	21	20	F

Duplicate - Batch: 240-14395

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3478-A-10 DU	Analysis Batch:	240-14395	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/06/2011 1013	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	90	86	4	20	
Percent Moisture	10	14	31	20	F

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3454-1

Login Number: 3454

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0/3.6/2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3519-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/28/2011 4:08 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/28/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3519-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/03/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6), ASB-161_1-3(20110902) (240-3519-7) and TB-008(20110902) (240-3519-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/12/2011 and 09/13/2011.

Naphthalene was detected in method blank MB 240-14890/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Naphthalene was detected in method blank MB 240-15010/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Acetone exceeded the rpd limit for the MSD of sample ASB-160_2-4(20110902)MSD (240-3519-5) in batch 240-15148.

Refer to the QC report for details.

Sample ASB-159_5-7(20110902) (240-3519-4)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14890 for these samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), TB-008(20110902) (240-3519-8).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6) and ASB-161_1-3(20110902) (240-3519-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/14/2011 and 09/15/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

2,4,6-Tribromophenol (Surr) and Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria low for 240-3510-C-1-B MS.

2-Fluorobiphenyl (Surr) failed the surrogate recovery criteria high.

2-Fluorobiphenyl (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for 240-3686-C-1-B MS.

2,4,6-Tribromophenol (Surr) and Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria low for 240-3510-C-1-C MSD.

Naphthalene failed the recovery criteria low for the MS/MSD of sample 240-3510-1 in batch 240-15303.

Several analytes exceeded the rpd limit for the MSD of sample 240-3686-1 in batch 240-15427.

Refer to the QC report for details.

Samples ASB-159_2-4(20110902) (240-3519-3)[5X], ASB-159_5-7(20110902) (240-3519-4)[5X], ASB-160_5-7(20110902) (240-3519-6)[3X] and ASB-161_1-3(20110902) (240-3519-7)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: (240-3510-1 MS), (240-3510-1 MSD), TD-65(18'-20') (240-3510-1). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6) and ASB-161_1-3(20110902) (240-3519-7) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/09/2011, 09/23/2011 and 09/24/2011.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria low for the MS/MSD of sample ASB-160_2-4(20110902)MS/MSD (240-3519-5) in batch 240-16548. WI Gasoline Range Organics (C6-C10) exceeded the rpd limit.

Refer to the QC report for details.

Samples ASB-159_5-7(20110902) (240-3519-4)[10X], ASB-159_5-7(20110902) (240-3519-4)[20X] and ASB-160_5-7(20110902) (240-3519-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-GRO: The laboratory control sample (LCS) ,laboratory control sample duplicate (LCSD) and CCV for batch 16334 exceeded control limits for the following analytes: Wis GRO. These analytes were biased high in the LCS and were not detected in the associated samples. The LCS and LCSD for 14847 were reanalyzed within control limits in analytical batch 16548; therefore the data has been reported. ASB-161_1-3(20110902) (240-3519-7)

Method(s) WI-GRO: Reanalysis of the following samples was performed outside of the analytical holding time: ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6). The first analysis of the samples had QC failing high and the samples had results above the reporting limit. Both sets of data are reported.

Method(s) WI-GRO: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14601 for these samples ASB-158_02(20110901) (240-3519-1) and ASB-158_4-6(20110901) (240-3519-2).

No other difficulties were encountered during the WI-GRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6) and ASB-161_1-3(20110902) (240-3519-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/08/2011, 09/14/2011, 09/15/2011 and 09/21/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-14522/8-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

Samples ASB-158_02(20110901) (240-3519-1)[2X], ASB-159_2-4(20110902) (240-3519-3)[5X], ASB-159_5-7(20110902) (240-3519-4) [5X] and ASB-160_5-7(20110902) (240-3519-6)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-DRO: The continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) WI-DRO: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14522 for these samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6) and ASB-161_1-3(20110902) (240-3519-7).

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-158_02(20110901) (240-3519-1), ASB-158_4-6(20110901) (240-3519-2), ASB-159_2-4(20110902) (240-3519-3), ASB-159_5-7(20110902) (240-3519-4), ASB-160_2-4(20110902) (240-3519-5), ASB-160_5-7(20110902) (240-3519-6) and ASB-161_1-3(20110902) (240-3519-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/07/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3519-1	**ASB-158_02(20110901)**					
1,2,4-Trimethylbenzene		15	J	250	ug/Kg	8260B
Ethylbenzene		17	J	250	ug/Kg	8260B
Methyl acetate		79	J	510	ug/Kg	8260B
Methylcyclohexane		39	J	510	ug/Kg	8260B
m-Xylene & p-Xylene		90	J	510	ug/Kg	8260B
Naphthalene		34	J B	250	ug/Kg	8260B
o-Xylene		41	J	250	ug/Kg	8260B
Styrene		13	J	250	ug/Kg	8260B
Toluene		130	J	250	ug/Kg	8260B
2-Methylnaphthalene		48	J	380	ug/Kg	8270C
Acenaphthene		23	J	380	ug/Kg	8270C
Acenaphthylene		12	J	380	ug/Kg	8270C
Anthracene		66	J	380	ug/Kg	8270C
Benzo[a]anthracene		260	J	380	ug/Kg	8270C
Benzo[a]pyrene		260	J	380	ug/Kg	8270C
Benzo[b]fluoranthene		410		380	ug/Kg	8270C
Benzo[g,h,i]perylene		200	J	380	ug/Kg	8270C
Benzo[k]fluoranthene		140	J	380	ug/Kg	8270C
Chrysene		280	J	380	ug/Kg	8270C
Dibenz(a,h)anthracene		54	J	380	ug/Kg	8270C
Fluoranthene		460		380	ug/Kg	8270C
Fluorene		21	J	380	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		160	J	380	ug/Kg	8270C
Naphthalene		36	J	380	ug/Kg	8270C
Phenanthrene		240	J	380	ug/Kg	8270C
Pyrene		380		380	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		49	B	20	mg/Kg	WI-DRO
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-3519-2	**ASB-158_4-6(20110901)**					
1,2,4-Trimethylbenzene		13	J	240	ug/Kg	8260B
Ethylbenzene		7.9	J	240	ug/Kg	8260B
Methyl acetate		28	J	480	ug/Kg	8260B
m-Xylene & p-Xylene		15	J	480	ug/Kg	8260B
Naphthalene		8.1	J B	240	ug/Kg	8260B
Toluene		17	J	240	ug/Kg	8260B
2-Methylnaphthalene		6.7	J	360	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.2	J B	9.1	mg/Kg	WI-DRO
Percent Solids		92		0.10	%	Moisture
Percent Moisture		7.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3519-3	**ASB-159_2-4(20110902)**					
1,2,4-Trimethylbenzene		67	J	290	ug/Kg	8260B
1,3,5-Trimethylbenzene		16	J	290	ug/Kg	8260B
Carbon disulfide		59	J	290	ug/Kg	8260B
Ethylbenzene		17	J	290	ug/Kg	8260B
Methyl acetate		190	J	580	ug/Kg	8260B
Methylcyclohexane		50	J	580	ug/Kg	8260B
m-Xylene & p-Xylene		68	J	580	ug/Kg	8260B
Naphthalene		50	J B	290	ug/Kg	8260B
N-Propylbenzene		30	J	290	ug/Kg	8260B
o-Xylene		20	J	290	ug/Kg	8260B
sec-Butylbenzene		33	J	290	ug/Kg	8260B
Toluene		29	J	290	ug/Kg	8260B
2-Methylnaphthalene		230	J	1900	ug/Kg	8270C
Anthracene		38	J	1900	ug/Kg	8270C
Benzo[a]anthracene		190	J	1900	ug/Kg	8270C
Benzo[a]pyrene		230	J	1900	ug/Kg	8270C
Benzo[b]fluoranthene		270	J	1900	ug/Kg	8270C
Benzo[g,h,i]perylene		140	J	1900	ug/Kg	8270C
Benzo[k]fluoranthene		120	J	1900	ug/Kg	8270C
Chrysene		200	J	1900	ug/Kg	8270C
Fluoranthene		300	J	1900	ug/Kg	8270C
Fluorene		29	J	1900	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		140	J	1900	ug/Kg	8270C
Naphthalene		250	J	1900	ug/Kg	8270C
Phenanthrene		130	J	1900	ug/Kg	8270C
Pyrene		270	J	1900	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		53	H	11	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		100	B	49	mg/Kg	WI-DRO
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3519-4	**ASB-159_5-7(20110902)**					
1,2,4-Trimethylbenzene		28000		1000	ug/Kg	8260B
1,3,5-Trimethylbenzene		5000		1000	ug/Kg	8260B
Carbon disulfide		190	J	1000	ug/Kg	8260B
Cyclohexane		2800		2100	ug/Kg	8260B
Ethylbenzene		1500		1000	ug/Kg	8260B
Isopropylbenzene		860	J	1000	ug/Kg	8260B
Methyl acetate		210	J	2100	ug/Kg	8260B
Methylcyclohexane		6100		2100	ug/Kg	8260B
m-Xylene & p-Xylene		4800		2100	ug/Kg	8260B
Naphthalene		5200	B	1000	ug/Kg	8260B
n-Butylbenzene		4500		1000	ug/Kg	8260B
N-Propylbenzene		3500		1000	ug/Kg	8260B
p-Isopropyltoluene		810	J	1000	ug/Kg	8260B
sec-Butylbenzene		910	J	1000	ug/Kg	8260B
2-Methylnaphthalene		1500	J	1900	ug/Kg	8270C
Anthracene		28	J	1900	ug/Kg	8270C
Benzo[a]anthracene		54	J	1900	ug/Kg	8270C
Benzo[a]pyrene		45	J	1900	ug/Kg	8270C
Benzo[b]fluoranthene		74	J	1900	ug/Kg	8270C
Benzo[k]fluoranthene		36	J	1900	ug/Kg	8270C
Chrysene		69	J	1900	ug/Kg	8270C
Fluoranthene		170	J	1900	ug/Kg	8270C
Fluorene		25	J	1900	ug/Kg	8270C
Naphthalene		460	J	1900	ug/Kg	8270C
Phenanthrene		80	J	1900	ug/Kg	8270C
Pyrene		140	J	1900	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		790	H	230	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		290	B	48	mg/Kg	WI-DRO
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3519-5	**ASB-160_2-4(20110902)**					
1,2,4-Trimethylbenzene		28	J	270	ug/Kg	8260B
Carbon disulfide		57	J	270	ug/Kg	8260B
Ethylbenzene		16	J	270	ug/Kg	8260B
Isopropylbenzene		28	J	270	ug/Kg	8260B
Methyl acetate		200	J	540	ug/Kg	8260B
m-Xylene & p-Xylene		36	J	540	ug/Kg	8260B
Naphthalene		18	J B	270	ug/Kg	8260B
n-Butylbenzene		66	J	270	ug/Kg	8260B
N-Propylbenzene		44	J	270	ug/Kg	8260B
sec-Butylbenzene		39	J	270	ug/Kg	8260B
2-Methylnaphthalene		8.3	J	370	ug/Kg	8270C
Acenaphthene		12	J	370	ug/Kg	8270C
Anthracene		21	J	370	ug/Kg	8270C
Benzo[a]anthracene		91	J	370	ug/Kg	8270C
Benzo[a]pyrene		95	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		140	J	370	ug/Kg	8270C
Benzo[g,h,i]perylene		98	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		96	J	370	ug/Kg	8270C
Chrysene		100	J	370	ug/Kg	8270C
Fluoranthene		230	J	370	ug/Kg	8270C
Fluorene		9.8	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		78	J	370	ug/Kg	8270C
Naphthalene		6.2	J	370	ug/Kg	8270C
Phenanthrene		120	J	370	ug/Kg	8270C
Pyrene		170	J	370	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		8.6	J H	12	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		18	B	9.4	mg/Kg	WI-DRO
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3519-6	**ASB-160_5-7(20110902)**					
1,2,4-Trimethylbenzene		2900		320	ug/Kg	8260B
1,3,5-Trimethylbenzene		400		320	ug/Kg	8260B
Carbon disulfide		80	J	320	ug/Kg	8260B
Ethylbenzene		310	J	320	ug/Kg	8260B
Isopropylbenzene		180	J	320	ug/Kg	8260B
Methyl acetate		470	J	630	ug/Kg	8260B
m-Xylene & p-Xylene		700		630	ug/Kg	8260B
Naphthalene		630	B	320	ug/Kg	8260B
n-Butylbenzene		660		320	ug/Kg	8260B
N-Propylbenzene		390		320	ug/Kg	8260B
o-Xylene		38	J	320	ug/Kg	8260B
p-Isopropyltoluene		110	J	320	ug/Kg	8260B
sec-Butylbenzene		210	J	320	ug/Kg	8260B
2-Methylnaphthalene		410	J	960	ug/Kg	8270C
Fluoranthene		39	J	960	ug/Kg	8270C
Naphthalene		290	J	960	ug/Kg	8270C
Pyrene		37	J	960	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		160	H	53	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		150	B	20	mg/Kg	WI-DRO
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-3519-7	**ASB-161_1-3(20110902)**					
Methyl acetate		60	J	540	ug/Kg	8260B
m-Xylene & p-Xylene		7.9	J	540	ug/Kg	8260B
Naphthalene		16	J B	270	ug/Kg	8260B
2-Methylnaphthalene		12	J	880	ug/Kg	8270C
Anthracene		20	J	880	ug/Kg	8270C
Benzo[a]anthracene		100	J	880	ug/Kg	8270C
Benzo[a]pyrene		110	J	880	ug/Kg	8270C
Benzo[b]fluoranthene		150	J	880	ug/Kg	8270C
Benzo[g,h,i]perylene		70	J	880	ug/Kg	8270C
Benzo[k]fluoranthene		76	J	880	ug/Kg	8270C
Chrysene		110	J	880	ug/Kg	8270C
Fluoranthene		160	J	880	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		66	J	880	ug/Kg	8270C
Phenanthrene		50	J	880	ug/Kg	8270C
Pyrene		140	J	880	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		1.6	J *	9.9	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		8.7	B	8.6	mg/Kg	WI-DRO
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3519-8TB	**TB-008(20110902)**					
m-Xylene & p-Xylene		6.8	J	500	ug/Kg	8260B
Toluene		33	J	250	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-GRO WI-GRO	Roach, Carolynne	CR
WI-DRO WI-DRO	Geis, Sharon	SG
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3519-1	ASB-158_02(20110901)	Solid	09/01/2011 1620	09/03/2011 0945
240-3519-2	ASB-158_4-6(20110901)	Solid	09/01/2011 1635	09/03/2011 0945
240-3519-3	ASB-159_2-4(20110902)	Solid	09/02/2011 0915	09/03/2011 0945
240-3519-4	ASB-159_5-7(20110902)	Solid	09/02/2011 0920	09/03/2011 0945
240-3519-5	ASB-160_2-4(20110902)	Solid	09/02/2011 1115	09/03/2011 0945
240-3519-6	ASB-160_5-7(20110902)	Solid	09/02/2011 1155	09/03/2011 0945
240-3519-7	ASB-161_1-3(20110902)	Solid	09/02/2011 1245	09/03/2011 0945
240-3519-8TB	TB-008(20110902)	Solid	09/02/2011 0000	09/03/2011 0945

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_02(20110901)**

Lab Sample ID: 240-3519-1 Date Sampled: 09/01/2011 1620
Client Matrix: Solid % Moisture: 12.6 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140837.D
Dilution:	1.0			Initial Weight/Volume:	28.21 g
Analysis Date:	09/12/2011 1705			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.2	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		9.0	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.4	250
1,2,4-Trimethylbenzene		15	J	5.1	250
1,2-Dibromo-3-Chloropropane		ND		51	510
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.7	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.3	250
1,3,5-Trimethylbenzene		ND		5.9	250
1,3-Dichlorobenzene		ND		4.9	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.1	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		44	1000
2-Chlorotoluene		ND		9.1	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		54	510
4-Chlorotoluene		ND		10	250
4-Methyl-2-pentanone (MIBK)		ND		49	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		10	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.5	250
Chlorobenzene		ND		6.5	250
Chloroethane		ND		62	250
Chloroform		ND		8.9	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		7.0	250
cis-1,3-Dichloropropene		ND		8.0	250
Cyclohexane		ND		41	510
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_02(20110901)**

Lab Sample ID: 240-3519-1 Date Sampled: 09/01/2011 1620
Client Matrix: Solid % Moisture: 12.6 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140837.D
Dilution:	1.0			Initial Weight/Volume:	28.21 g
Analysis Date:	09/12/2011 1705			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	510
Ethyl ether		ND		15	510
Ethylbenzene		17	J	5.5	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.6	250
Methyl acetate		79	J	25	510
Methyl tert butyl ether		ND		7.2	1000
Methylcyclohexane		39	J	12	510
Methylene Chloride		ND		78	250
m-Xylene & p-Xylene		90	J	6.3	510
Naphthalene		34	J B	6.8	250
n-Butylbenzene		ND		8.1	250
N-Propylbenzene		ND		14	250
o-Xylene		41	J	8.6	250
p-Isopropyltoluene		ND		4.9	250
sec-Butylbenzene		ND		4.8	250
Styrene		13	J	5.7	250
tert-Butylbenzene		ND		6.6	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		50	1000
Toluene		130	J	17	250
trans-1,2-Dichloroethene		ND		9.3	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.8	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_4-6(20110901)**

Lab Sample ID: 240-3519-2 Date Sampled: 09/01/2011 1635
Client Matrix: Solid % Moisture: 7.7 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140838.D
Dilution:	1.0			Initial Weight/Volume:	28.47 g
Analysis Date:	09/12/2011 1726			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.7	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.5	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		37	240
1,1,2-Trichloroethane		ND		11	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.5	240
1,2,3-Trichlorobenzene		ND		9.5	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		6.9	240
1,2,4-Trimethylbenzene		13	J	4.8	240
1,2-Dibromo-3-Chloropropane		ND		48	480
1,2-Dibromoethane		ND		9.5	240
1,2-Dichlorobenzene		ND		8.2	240
1,2-Dichloroethane		ND		9.5	240
1,2-Dichloropropane		ND		7.8	240
1,3,5-Trimethylbenzene		ND		5.5	240
1,3-Dichlorobenzene		ND		4.6	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.6	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		41	950
2-Chlorotoluene		ND		8.6	240
2-Hexanone		ND		19	950
Allyl chloride		ND		50	480
4-Chlorotoluene		ND		9.4	240
4-Methyl-2-pentanone (MIBK)		ND		46	950
Acetone		ND		160	950
Benzene		ND		11	240
Bromobenzene		ND		12	240
Bromochloromethane		ND		12	240
Bromodichloromethane		ND		9.4	240
Bromoform		ND		18	240
Bromomethane		ND		28	240
Carbon disulfide		ND		11	240
Carbon tetrachloride		ND		6.1	240
Chlorobenzene		ND		6.1	240
Chloroethane		ND		58	240
Chloroform		ND		8.4	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.6	240
cis-1,3-Dichloropropene		ND		7.5	240
Cyclohexane		ND		38	480
Chlorodibromomethane		ND		11	240
Dibromomethane		ND		13	240

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_4-6(20110901)**

Lab Sample ID: 240-3519-2 Date Sampled: 09/01/2011 1635
Client Matrix: Solid % Moisture: 7.7 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140838.D
Dilution:	1.0			Initial Weight/Volume:	28.47 g
Analysis Date:	09/12/2011 1726			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	240
Dichlorofluoromethane		ND		24	480
Ethyl ether		ND		14	480
Ethylbenzene		7.9	J	5.1	240
Hexachlorobutadiene		ND		13	240
Isopropylbenzene		ND		6.2	240
Methyl acetate		28	J	24	480
Methyl tert butyl ether		ND		6.8	950
Methylcyclohexane		ND		11	480
Methylene Chloride		ND		73	240
m-Xylene & p-Xylene		15	J	5.9	480
Naphthalene		8.1	J B	6.4	240
n-Butylbenzene		ND		7.6	240
N-Propylbenzene		ND		13	240
o-Xylene		ND		8.1	240
p-Isopropyltoluene		ND		4.6	240
sec-Butylbenzene		ND		4.5	240
Styrene		ND		5.3	240
tert-Butylbenzene		ND		6.2	240
Tetrachloroethene		ND		11	240
Tetrahydrofuran		ND		47	950
Toluene		17	J	16	240
trans-1,2-Dichloroethene		ND		8.8	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.2	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND		17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	78		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915
Client Matrix: Solid % Moisture: 12.9 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140862.D
Dilution:	1.0			Initial Weight/Volume:	9.83 g
Analysis Date:	09/13/2011 1414			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	290
1,1,1-Trichloroethane		ND		25	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		46	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		20	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		12	290
1,2,3-Trichlorobenzene		ND		12	290
1,2,3-Trichloropropane		ND		25	290
1,2,4-Trichlorobenzene		ND		8.5	290
1,2,4-Trimethylbenzene		67	J	5.8	290
1,2-Dibromo-3-Chloropropane		ND		58	580
1,2-Dibromoethane		ND		12	290
1,2-Dichlorobenzene		ND		10	290
1,2-Dichloroethane		ND		12	290
1,2-Dichloropropane		ND		9.6	290
1,3,5-Trimethylbenzene		16	J	6.8	290
1,3-Dichlorobenzene		ND		5.6	290
1,3-Dichloropropane		ND		26	290
1,4-Dichlorobenzene		ND		9.3	290
2,2-Dichloropropane		ND		27	290
2-Butanone (MEK)		ND		50	1200
2-Chlorotoluene		ND		11	290
2-Hexanone		ND		23	1200
Allyl chloride		ND		62	580
4-Chlorotoluene		ND		12	290
4-Methyl-2-pentanone (MIBK)		ND		56	1200
Acetone		ND		200	1200
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		12	290
Bromoform		ND		22	290
Bromomethane		ND		34	290
Carbon disulfide		59	J	14	290
Carbon tetrachloride		ND		7.5	290
Chlorobenzene		ND		7.5	290
Chloroethane		ND		71	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		8.1	290
cis-1,3-Dichloropropene		ND		9.2	290
Cyclohexane		ND		47	580
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915
Client Matrix: Solid % Moisture: 12.9 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140862.D
Dilution:	1.0			Initial Weight/Volume:	9.83 g
Analysis Date:	09/13/2011 1414			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	290
Dichlorofluoromethane		ND		29	580
Ethyl ether		ND		18	580
Ethylbenzene		17	J	6.3	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.6	290
Methyl acetate		190	J	29	580
Methyl tert butyl ether		ND		8.3	1200
Methylcyclohexane		50	J	14	580
Methylene Chloride		ND		90	290
m-Xylene & p-Xylene		68	J	7.2	580
Naphthalene		50	J B	7.8	290
n-Butylbenzene		ND		9.3	290
N-Propylbenzene		30	J	16	290
o-Xylene		20	J	9.9	290
p-Isopropyltoluene		ND		5.6	290
sec-Butylbenzene		33	J	5.5	290
Styrene		ND		6.5	290
tert-Butylbenzene		ND		7.6	290
Tetrachloroethene		ND		14	290
Tetrahydrofuran		ND		57	1200
Toluene		29	J	20	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		19	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		39 - 128
4-Bromofluorobenzene (Surr)	79		26 - 141
Dibromofluoromethane (Surr)	63		30 - 122
Toluene-d8 (Surr)	78		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140860.D
Dilution:	4.0			Initial Weight/Volume:	11.1 g
Analysis Date:	09/13/2011 1331			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		38	1000
1,1,1-Trichloroethane		ND		87	1000
1,1,2,2-Tetrachloroethane		ND		37	1000
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		160	1000
1,1,2-Trichloroethane		ND		50	1000
1,1-Dichloroethane		ND		70	1000
1,1-Dichloroethene		ND		75	1000
1,1-Dichloropropene		ND		41	1000
1,2,3-Trichlorobenzene		ND		41	1000
1,2,3-Trichloropropane		ND		87	1000
1,2,4-Trichlorobenzene		ND		30	1000
1,2,4-Trimethylbenzene		28000		21	1000
1,2-Dibromo-3-Chloropropane		ND		210	2100
1,2-Dibromoethane		ND		41	1000
1,2-Dichlorobenzene		ND		36	1000
1,2-Dichloroethane		ND		41	1000
1,2-Dichloropropane		ND		34	1000
1,3,5-Trimethylbenzene		5000		24	1000
1,3-Dichlorobenzene		ND		20	1000
1,3-Dichloropropane		ND		91	1000
1,4-Dichlorobenzene		ND		33	1000
2,2-Dichloropropane		ND		95	1000
2-Butanone (MEK)		ND		180	4100
2-Chlorotoluene		ND		37	1000
2-Hexanone		ND		83	4100
Allyl chloride		ND		220	2100
4-Chlorotoluene		ND		41	1000
4-Methyl-2-pentanone (MIBK)		ND		200	4100
Acetone		ND		700	4100
Benzene		ND		50	1000
Bromobenzene		ND		54	1000
Bromochloromethane		ND		54	1000
Bromodichloromethane		ND		41	1000
Bromoform		ND		79	1000
Bromomethane		ND		120	1000
Carbon disulfide		190	J	50	1000
Carbon tetrachloride		ND		26	1000
Chlorobenzene		ND		26	1000
Chloroethane		ND		250	1000
Chloroform		ND		36	1000
Chloromethane		ND		58	1000
cis-1,2-Dichloroethene		ND		29	1000
cis-1,3-Dichloropropene		ND		33	1000
Cyclohexane		2800		170	2100
Chlorodibromomethane		ND		50	1000
Dibromomethane		ND		58	1000

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140860.D
Dilution:	4.0			Initial Weight/Volume:	11.1 g
Analysis Date:	09/13/2011 1331			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		66	1000
Dichlorofluoromethane		ND		100	2100
Ethyl ether		ND		62	2100
Ethylbenzene		1500		22	1000
Hexachlorobutadiene		ND		58	1000
Isopropylbenzene		860	J	27	1000
Methyl acetate		210	J	100	2100
Methyl tert butyl ether		ND		29	4100
Methylcyclohexane		6100		50	2100
Methylene Chloride		ND		320	1000
m-Xylene & p-Xylene		4800		26	2100
Naphthalene		5200	B	28	1000
n-Butylbenzene		4500		33	1000
N-Propylbenzene		3500		58	1000
o-Xylene		ND		35	1000
p-Isopropyltoluene		810	J	20	1000
sec-Butylbenzene		910	J	19	1000
Styrene		ND		23	1000
tert-Butylbenzene		ND		27	1000
Tetrachloroethene		ND		50	1000
Tetrahydrofuran		ND		200	4100
Toluene		ND		70	1000
trans-1,2-Dichloroethene		ND		38	1000
trans-1,3-Dichloropropene		ND		83	1000
Trichloroethene		ND		40	1000
Trichlorofluoromethane		ND		66	1000
Vinyl chloride		ND		75	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	90		26 - 141
Dibromofluoromethane (Surr)	60		30 - 122
Toluene-d8 (Surr)	82		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140863.D
Dilution:	1.0			Initial Weight/Volume:	10.24 g
Analysis Date:	09/13/2011 1436			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.9	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.7	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.9	270
1,2,4-Trimethylbenzene		28	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.3	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.9	270
1,3,5-Trimethylbenzene		ND		6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.8	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		31	270
Carbon disulfide		57	J	13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		66	270
Chloroform		ND		9.6	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140863.D
Dilution:	1.0			Initial Weight/Volume:	10.24 g
Analysis Date:	09/13/2011 1436			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		16	J	5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		28	J	7.1	270
Methyl acetate		200	J	27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		84	270
m-Xylene & p-Xylene		36	J	6.7	540
Naphthalene		18	J B	7.3	270
n-Butylbenzene		66	J	8.7	270
N-Propylbenzene		44	J	15	270
o-Xylene		ND		9.2	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		39	J	5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	72		39 - 128
4-Bromofluorobenzene (Surr)	76		26 - 141
Dibromofluoromethane (Surr)	60		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140866.D
Dilution:	1.0			Initial Weight/Volume:	9.14 g
Analysis Date:	09/13/2011 1540			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	320
1,1,1-Trichloroethane		ND		27	320
1,1,2,2-Tetrachloroethane		ND		11	320
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		49	320
1,1,2-Trichloroethane		ND		15	320
1,1-Dichloroethane		ND		22	320
1,1-Dichloroethene		ND		23	320
1,1-Dichloropropene		ND		13	320
1,2,3-Trichlorobenzene		ND		13	320
1,2,3-Trichloropropane		ND		27	320
1,2,4-Trichlorobenzene		ND		9.2	320
1,2,4-Trimethylbenzene		2900		6.3	320
1,2-Dibromo-3-Chloropropane		ND		63	630
1,2-Dibromoethane		ND		13	320
1,2-Dichlorobenzene		ND		11	320
1,2-Dichloroethane		ND		13	320
1,2-Dichloropropane		ND		10	320
1,3,5-Trimethylbenzene		400		7.3	320
1,3-Dichlorobenzene		ND		6.1	320
1,3-Dichloropropane		ND		28	320
1,4-Dichlorobenzene		ND		10	320
2,2-Dichloropropane		ND		29	320
2-Butanone (MEK)		ND		54	1300
2-Chlorotoluene		ND		11	320
2-Hexanone		ND		25	1300
Allyl chloride		ND		67	630
4-Chlorotoluene		ND		13	320
4-Methyl-2-pentanone (MIBK)		ND		61	1300
Acetone		ND		220	1300
Benzene		ND		15	320
Bromobenzene		ND		16	320
Bromochloromethane		ND		16	320
Bromodichloromethane		ND		13	320
Bromoform		ND		24	320
Bromomethane		ND		37	320
Carbon disulfide		80	J	15	320
Carbon tetrachloride		ND		8.1	320
Chlorobenzene		ND		8.1	320
Chloroethane		ND		77	320
Chloroform		ND		11	320
Chloromethane		ND		18	320
cis-1,2-Dichloroethene		ND		8.7	320
cis-1,3-Dichloropropene		ND		10	320
Cyclohexane		ND		51	630
Chlorodibromomethane		ND		15	320
Dibromomethane		ND		18	320

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140866.D
Dilution:	1.0			Initial Weight/Volume:	9.14 g
Analysis Date:	09/13/2011 1540			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		20	320
Dichlorofluoromethane		ND		32	630
Ethyl ether		ND		19	630
Ethylbenzene		310	J	6.8	320
Hexachlorobutadiene		ND		18	320
Isopropylbenzene		180	J	8.2	320
Methyl acetate		470	J	32	630
Methyl tert butyl ether		ND		9.0	1300
Methylcyclohexane		ND		15	630
Methylene Chloride		ND		97	320
m-Xylene & p-Xylene		700		7.9	630
Naphthalene		630	B	8.5	320
n-Butylbenzene		660		10	320
N-Propylbenzene		390		18	320
o-Xylene		38	J	11	320
p-Isopropyltoluene		110	J	6.1	320
sec-Butylbenzene		210	J	6.0	320
Styrene		ND		7.1	320
tert-Butylbenzene		ND		8.2	320
Tetrachloroethene		ND		15	320
Tetrahydrofuran		ND		62	1300
Toluene		ND		22	320
trans-1,2-Dichloroethene		ND		12	320
trans-1,3-Dichloropropene		ND		25	320
Trichloroethene		ND		12	320
Trichlorofluoromethane		ND		20	320
Vinyl chloride		ND		23	320

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	75		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-161_1-3(20110902)**

Lab Sample ID: 240-3519-7 Date Sampled: 09/02/2011 1245
Client Matrix: Solid % Moisture: 7.2 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140867.D
Dilution:	1.0			Initial Weight/Volume:	10.06 g
Analysis Date:	09/13/2011 1601			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.5	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.8	270
1,2,4-Trimethylbenzene		ND		5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.2	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.8	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.1	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.6	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.6	270
2-Hexanone		ND		21	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		51	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		65	270
Chloroform		ND		9.4	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.4	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-161_1-3(20110902)**

Lab Sample ID: 240-3519-7 Date Sampled: 09/02/2011 1245
Client Matrix: Solid % Moisture: 7.2 Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140867.D
Dilution:	1.0			Initial Weight/Volume:	10.06 g
Analysis Date:	09/13/2011 1601			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		60	J	27	540
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		7.9	J	6.6	540
Naphthalene		16	J B	7.2	270
n-Butylbenzene		ND		8.6	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.1	270
p-Isopropyltoluene		ND		5.1	270
sec-Butylbenzene		ND		5.0	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.9	270
trans-1,3-Dichloropropene		ND		21	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74		39 - 128
4-Bromofluorobenzene (Surr)	72		26 - 141
Dibromofluoromethane (Surr)	60		30 - 122
Toluene-d8 (Surr)	73		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **TB-008(20110902)**

Lab Sample ID: 240-3519-8TB Date Sampled: 09/02/2011 0000
Client Matrix: Solid Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140839.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1748			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **TB-008(20110902)**

Lab Sample ID: 240-3519-8TB Date Sampled: 09/02/2011 0000
Client Matrix: Solid Date Received: 09/03/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140839.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1748			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		6.8	J	6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		33	J	17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		39 - 128
4-Bromofluorobenzene (Surr)	101		26 - 141
Dibromofluoromethane (Surr)	85		30 - 122
Toluene-d8 (Surr)	102		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_02(20110901)**

Lab Sample ID: 240-3519-1 Date Sampled: 09/01/2011 1620
Client Matrix: Solid % Moisture: 12.6 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15303	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14965	Lab File ID:	0914006.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/14/2011 1242			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 0931			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		48	J	3.8	380
Acenaphthene		23	J	3.8	380
Acenaphthylene		12	J	3.8	380
Anthracene		66	J	3.8	380
Benzo[a]anthracene		260	J	3.8	380
Benzo[a]pyrene		260	J	3.8	380
Benzo[b]fluoranthene		410		3.8	380
Benzo[g,h,i]perylene		200	J	3.8	380
Benzo[k]fluoranthene		140	J	3.8	380
Chrysene		280	J	1.3	380
Dibenz(a,h)anthracene		54	J	3.8	380
Fluoranthene		460		3.8	380
Fluorene		21	J	3.8	380
Indeno[1,2,3-cd]pyrene		160	J	3.8	380
Naphthalene		36	J	3.8	380
Phenanthrene		240	J	3.8	380
Pyrene		380		3.8	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	55		10 - 118
2-Fluorobiphenyl (Surr)	58		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
Nitrobenzene-d5 (Surr)	61		24 - 112
Phenol-d5 (Surr)	64		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_4-6(20110901)**

Lab Sample ID: 240-3519-2 Date Sampled: 09/01/2011 1635
Client Matrix: Solid % Moisture: 7.7 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15303	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-14965	Lab File ID:	0914005.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/14/2011 1224			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 0931			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		6.7	J	3.6	360
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Anthracene		ND		3.6	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Naphthalene		ND		3.6	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	54		10 - 118
2-Fluorobiphenyl (Surr)	53		34 - 110
2-Fluorophenol (Surr)	65		26 - 110
Nitrobenzene-d5 (Surr)	58		24 - 112
Phenol-d5 (Surr)	67		28 - 110
Terphenyl-d14 (Surr)	76		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915
Client Matrix: Solid % Moisture: 12.9 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14995	Lab File ID:	0915034.D
Dilution:	5.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/15/2011 1715			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		230	J	19	1900
Acenaphthene		ND		19	1900
Acenaphthylene		ND		19	1900
Anthracene		38	J	19	1900
Benzo[a]anthracene		190	J	19	1900
Benzo[a]pyrene		230	J	19	1900
Benzo[b]fluoranthene		270	J	19	1900
Benzo[g,h,i]perylene		140	J	19	1900
Benzo[k]fluoranthene		120	J	19	1900
Chrysene		200	J	6.3	1900
Dibenz(a,h)anthracene		ND		19	1900
Fluoranthene		300	J	19	1900
Fluorene		29	J	19	1900
Indeno[1,2,3-cd]pyrene		140	J	19	1900
Naphthalene		250	J	19	1900
Phenanthrene		130	J	19	1900
Pyrene		270	J	19	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	53		10 - 118
2-Fluorobiphenyl (Surr)	53		34 - 110
2-Fluorophenol (Surr)	52		26 - 110
Nitrobenzene-d5 (Surr)	44		24 - 112
Phenol-d5 (Surr)	54		28 - 110
Terphenyl-d14 (Surr)	65		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14995	Lab File ID:	0915035.D
Dilution:	5.0			Initial Weight/Volume:	30.06 g
Analysis Date:	09/15/2011 1732			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		1500	J	19	1900
Acenaphthene		ND		19	1900
Acenaphthylene		ND		19	1900
Anthracene		28	J	19	1900
Benzo[a]anthracene		54	J	19	1900
Benzo[a]pyrene		45	J	19	1900
Benzo[b]fluoranthene		74	J	19	1900
Benzo[g,h,i]perylene		ND		19	1900
Benzo[k]fluoranthene		36	J	19	1900
Chrysene		69	J	6.3	1900
Dibenz(a,h)anthracene		ND		19	1900
Fluoranthene		170	J	19	1900
Fluorene		25	J	19	1900
Indeno[1,2,3-cd]pyrene		ND		19	1900
Naphthalene		460	J	19	1900
Phenanthrene		80	J	19	1900
Pyrene		140	J	19	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	50		10 - 118
2-Fluorobiphenyl (Surr)	56		34 - 110
2-Fluorophenol (Surr)	56		26 - 110
Nitrobenzene-d5 (Surr)	56		24 - 112
Phenol-d5 (Surr)	66		28 - 110
Terphenyl-d14 (Surr)	64		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14995	Lab File ID:	0915031.D
Dilution:	1.0			Initial Weight/Volume:	30.12 g
Analysis Date:	09/15/2011 1625			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		8.3	J	3.7	370
Acenaphthene		12	J	3.7	370
Acenaphthylene		ND		3.7	370
Anthracene		21	J	3.7	370
Benzo[a]anthracene		91	J	3.7	370
Benzo[a]pyrene		95	J	3.7	370
Benzo[b]fluoranthene		140	J	3.7	370
Benzo[g,h,i]perylene		98	J	3.7	370
Benzo[k]fluoranthene		96	J	3.7	370
Chrysene		100	J	1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Fluoranthene		230	J	3.7	370
Fluorene		9.8	J	3.7	370
Indeno[1,2,3-cd]pyrene		78	J	3.7	370
Naphthalene		6.2	J	3.7	370
Phenanthrene		120	J	3.7	370
Pyrene		170	J	3.7	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	52		10 - 118
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	56		26 - 110
Nitrobenzene-d5 (Surr)	48		24 - 112
Phenol-d5 (Surr)	53		28 - 110
Terphenyl-d14 (Surr)	69		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14995	Lab File ID:	0915032.D
Dilution:	2.5			Initial Weight/Volume:	29.99 g
Analysis Date:	09/15/2011 1642			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		410	J	9.6	960
Acenaphthene		ND		9.6	960
Acenaphthylene		ND		9.6	960
Anthracene		ND		9.6	960
Benzo[a]anthracene		ND		9.6	960
Benzo[a]pyrene		ND		9.6	960
Benzo[b]fluoranthene		ND		9.6	960
Benzo[g,h,i]perylene		ND		9.6	960
Benzo[k]fluoranthene		ND		9.6	960
Chrysene		ND		3.2	960
Dibenz(a,h)anthracene		ND		9.6	960
Fluoranthene		39	J	9.6	960
Fluorene		ND		9.6	960
Indeno[1,2,3-cd]pyrene		ND		9.6	960
Naphthalene		290	J	9.6	960
Phenanthrene		ND		9.6	960
Pyrene		37	J	9.6	960

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	51		10 - 118
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	48		26 - 110
Nitrobenzene-d5 (Surr)	41		24 - 112
Phenol-d5 (Surr)	53		28 - 110
Terphenyl-d14 (Surr)	66		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-161_1-3(20110902)**

Lab Sample ID: 240-3519-7 Date Sampled: 09/02/2011 1245
Client Matrix: Solid % Moisture: 7.2 Date Received: 09/03/2011 0945

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-14995	Lab File ID:	0915033.D
Dilution:	2.5			Initial Weight/Volume:	30.15 g
Analysis Date:	09/15/2011 1658			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		12	J	8.8	880
Acenaphthene		ND		8.8	880
Acenaphthylene		ND		8.8	880
Anthracene		20	J	8.8	880
Benzo[a]anthracene		100	J	8.8	880
Benzo[a]pyrene		110	J	8.8	880
Benzo[b]fluoranthene		150	J	8.8	880
Benzo[g,h,i]perylene		70	J	8.8	880
Benzo[k]fluoranthene		76	J	8.8	880
Chrysene		110	J	2.9	880
Dibenz(a,h)anthracene		ND		8.8	880
Fluoranthene		160	J	8.8	880
Fluorene		ND		8.8	880
Indeno[1,2,3-cd]pyrene		66	J	8.8	880
Naphthalene		ND		8.8	880
Phenanthrene		50	J	8.8	880
Pyrene		140	J	8.8	880

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	38		10 - 118
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	55		26 - 110
Nitrobenzene-d5 (Surr)	46		24 - 112
Phenol-d5 (Surr)	56		28 - 110
Terphenyl-d14 (Surr)	59		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_02(20110901)**

Lab Sample ID: 240-3519-1 Date Sampled: 09/01/2011 1620
Client Matrix: Solid % Moisture: 12.6 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090920.D
Dilution:	1.0			Initial Weight/Volume:	30.46 g
Analysis Date:	09/09/2011 2212			Final Weight/Volume:	30.5 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.37	11

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_4-6(20110901)**

Lab Sample ID: 240-3519-2 Date Sampled: 09/01/2011 1635
Client Matrix: Solid % Moisture: 7.7 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-14761	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14601	Lab File ID:	YF090921.D
Dilution:	1.0			Initial Weight/Volume:	26.42 g
Analysis Date:	09/09/2011 2250			Final Weight/Volume:	26.4 mL
Prep Date:	09/08/2011 0809			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.35	11

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915
Client Matrix: Solid % Moisture: 12.9 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092229.D
Dilution:	1.0			Initial Weight/Volume:	12.02 g
Analysis Date:	09/23/2011 0308			Final Weight/Volume:	12.0 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		59	*	0.37	11

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915
Client Matrix: Solid % Moisture: 12.9 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16548	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092314.D
Dilution:	1.0			Initial Weight/Volume:	12.02 g
Analysis Date:	09/24/2011 0030			Final Weight/Volume:	12.0 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		53	H	0.37	11

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092230.D
Dilution:	10			Initial Weight/Volume:	12.87 g
Analysis Date:	09/23/2011 0347			Final Weight/Volume:	12.9 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		1200	E *	3.7	120

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16548	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092315.D
Dilution:	20			Initial Weight/Volume:	12.87 g
Analysis Date:	09/24/2011 0107	Run Type:	DL	Final Weight/Volume:	12.9 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		790	H	7.4	230

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092231.D
Dilution:	1.0			Initial Weight/Volume:	9.24 g
Analysis Date:	09/23/2011 0425			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		16	*	0.39	12

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16548	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092316.D
Dilution:	1.0			Initial Weight/Volume:	9.24 g
Analysis Date:	09/24/2011 0146			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		8.6	J H	0.39	12

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092234.D
Dilution:	5.0			Initial Weight/Volume:	10.85 g
Analysis Date:	09/23/2011 0621			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		230	*	1.7	53

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16548	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092319.D
Dilution:	5.0			Initial Weight/Volume:	10.85 g
Analysis Date:	09/24/2011 0341			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		160	H	1.7	53

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-161_1-3(20110902)**

Lab Sample ID: 240-3519-7 Date Sampled: 09/02/2011 1245
Client Matrix: Solid % Moisture: 7.2 Date Received: 09/03/2011 0945

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092235.D
Dilution:	1.0			Initial Weight/Volume:	10.92 g
Analysis Date:	09/23/2011 0659			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		1.6	J *	0.32	9.9

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_02(20110901)**

Lab Sample ID: 240-3519-1 Date Sampled: 09/01/2011 1620
Client Matrix: Solid % Moisture: 12.6 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15321	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F91419.D
Dilution:	2.0			Initial Weight/Volume:	27.63 g
Analysis Date:	09/14/2011 2350			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		49	B	2.5	20

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-158_4-6(20110901)**

Lab Sample ID: 240-3519-2 Date Sampled: 09/01/2011 1635
Client Matrix: Solid % Moisture: 7.7 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-14626	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F90825.D
Dilution:	1.0			Initial Weight/Volume:	28.70 g
Analysis Date:	09/08/2011 2053			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.2	J B	1.1	9.1

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915
Client Matrix: Solid % Moisture: 12.9 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15321	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F91420.D
Dilution:	5.0			Initial Weight/Volume:	27.87 g
Analysis Date:	09/15/2011 0030			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		100	B	6.2	49

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15321	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F91421.D
Dilution:	5.0			Initial Weight/Volume:	28.69 g
Analysis Date:	09/15/2011 0109			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		290	B	6.0	48

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16034	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F92022.D
Dilution:	1.0			Initial Weight/Volume:	28.25 g
Analysis Date:	09/21/2011 0151			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		18	B	1.2	9.4

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155
Client Matrix: Solid % Moisture: 13.6 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15321	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F91423.D
Dilution:	2.0			Initial Weight/Volume:	27.28 g
Analysis Date:	09/15/2011 0227			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		150	B	2.5	20

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Client Sample ID: **ASB-161_1-3(20110902)**

Lab Sample ID: 240-3519-7 Date Sampled: 09/02/2011 1245
Client Matrix: Solid % Moisture: 7.2 Date Received: 09/03/2011 0945

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16034	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-14522	Lab File ID:	P6F92023.D
Dilution:	1.0			Initial Weight/Volume:	30.16 g
Analysis Date:	09/21/2011 0230			Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		8.7	B	1.1	8.6

General Chemistry

Client Sample ID: **ASB-158_02(20110901)**

Lab Sample ID: 240-3519-1 Date Sampled: 09/01/2011 1620

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-158_4-6(20110901)**

Lab Sample ID: 240-3519-2 Date Sampled: 09/01/2011 1635

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-159_2-4(20110902)**

Lab Sample ID: 240-3519-3 Date Sampled: 09/02/2011 0915

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-159_5-7(20110902)**

Lab Sample ID: 240-3519-4 Date Sampled: 09/02/2011 0920

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-160_2-4(20110902)**

Lab Sample ID: 240-3519-5 Date Sampled: 09/02/2011 1115

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-160_5-7(20110902)**

Lab Sample ID: 240-3519-6 Date Sampled: 09/02/2011 1155

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-161_1-3(20110902)**

Lab Sample ID: 240-3519-7 Date Sampled: 09/02/2011 1245

Client Matrix: Solid Date Received: 09/03/2011 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N
Percent Moisture	7.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14529	Analysis Date: 09/07/2011 1444						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14890					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14890/1-A	Method Blank	T	Solid	5035	
240-3519-1	ASB-158_02(20110901)	T	Solid	5035	
240-3519-2	ASB-158_4-6(20110901)	T	Solid	5035	
240-3519-8TB	TB-008(20110902)	T	Solid	5035	
Analysis Batch:240-14988					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	8260B	240-14890
MB 240-14890/1-A	Method Blank	T	Solid	8260B	240-14890
240-3519-1	ASB-158_02(20110901)	T	Solid	8260B	240-14890
240-3519-2	ASB-158_4-6(20110901)	T	Solid	8260B	240-14890
240-3519-8TB	TB-008(20110902)	T	Solid	8260B	240-14890
Prep Batch: 240-15010					
LCS 240-15010/2-A	Lab Control Sample	T	Solid	5035	
MB 240-15010/1-A	Method Blank	T	Solid	5035	
240-3519-3	ASB-159_2-4(20110902)	T	Solid	5035	
240-3519-4	ASB-159_5-7(20110902)	T	Solid	5035	
240-3519-5	ASB-160_2-4(20110902)	T	Solid	5035	
240-3519-5MS	Matrix Spike	T	Solid	5035	
240-3519-5MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3519-6	ASB-160_5-7(20110902)	T	Solid	5035	
240-3519-7	ASB-161_1-3(20110902)	T	Solid	5035	
Analysis Batch:240-15148					
LCS 240-15010/2-A	Lab Control Sample	T	Solid	8260B	240-15010
MB 240-15010/1-A	Method Blank	T	Solid	8260B	240-15010
240-3519-3	ASB-159_2-4(20110902)	T	Solid	8260B	240-15010
240-3519-4	ASB-159_5-7(20110902)	T	Solid	8260B	240-15010
240-3519-5	ASB-160_2-4(20110902)	T	Solid	8260B	240-15010
240-3519-5MS	Matrix Spike	T	Solid	8260B	240-15010
240-3519-5MSD	Matrix Spike Duplicate	T	Solid	8260B	240-15010
240-3519-6	ASB-160_5-7(20110902)	T	Solid	8260B	240-15010
240-3519-7	ASB-161_1-3(20110902)	T	Solid	8260B	240-15010

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-14965					
LCS 240-14965/2-A	Lab Control Sample	T	Solid	3540C	
MB 240-14965/1-A	Method Blank	T	Solid	3540C	
240-3510-C-1-B MS	Matrix Spike	T	Solid	3540C	
240-3510-C-1-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3519-1	ASB-158_02(20110901)	T	Solid	3540C	
240-3519-2	ASB-158_4-6(20110901)	T	Solid	3540C	
Prep Batch: 240-14995					
LCS 240-14995/2-A	Lab Control Sample	T	Solid	3540C	
MB 240-14995/1-A	Method Blank	T	Solid	3540C	
240-3519-3	ASB-159_2-4(20110902)	T	Solid	3540C	
240-3519-4	ASB-159_5-7(20110902)	T	Solid	3540C	
240-3519-5	ASB-160_2-4(20110902)	T	Solid	3540C	
240-3519-6	ASB-160_5-7(20110902)	T	Solid	3540C	
240-3519-7	ASB-161_1-3(20110902)	T	Solid	3540C	
240-3686-C-1-B MS	Matrix Spike	T	Solid	3540C	
240-3686-C-1-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-15303					
LCS 240-14965/2-A	Lab Control Sample	T	Solid	8270C	240-14965
MB 240-14965/1-A	Method Blank	T	Solid	8270C	240-14965
240-3510-C-1-B MS	Matrix Spike	T	Solid	8270C	240-14965
240-3510-C-1-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14965
240-3519-1	ASB-158_02(20110901)	T	Solid	8270C	240-14965
240-3519-2	ASB-158_4-6(20110901)	T	Solid	8270C	240-14965
Analysis Batch:240-15427					
LCS 240-14995/2-A	Lab Control Sample	T	Solid	8270C	240-14995
MB 240-14995/1-A	Method Blank	T	Solid	8270C	240-14995
240-3519-3	ASB-159_2-4(20110902)	T	Solid	8270C	240-14995
240-3519-4	ASB-159_5-7(20110902)	T	Solid	8270C	240-14995
240-3519-5	ASB-160_2-4(20110902)	T	Solid	8270C	240-14995
240-3519-6	ASB-160_5-7(20110902)	T	Solid	8270C	240-14995
240-3519-7	ASB-161_1-3(20110902)	T	Solid	8270C	240-14995
240-3686-C-1-B MS	Matrix Spike	T	Solid	8270C	240-14995
240-3686-C-1-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-14995

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-14601					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14601/1-A	Method Blank	T	Solid	5035	
240-3519-1	ASB-158_02(20110901)	T	Solid	5035	
240-3519-2	ASB-158_4-6(20110901)	T	Solid	5035	
Analysis Batch:240-14761					
LCS 240-14601/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14601
LCSD 240-14601/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14601
MB 240-14601/1-A	Method Blank	T	Solid	WI-GRO	240-14601
240-3519-1	ASB-158_02(20110901)	T	Solid	WI-GRO	240-14601
240-3519-2	ASB-158_4-6(20110901)	T	Solid	WI-GRO	240-14601
Prep Batch: 240-14847					
LCS 240-14847/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14847/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14847/1-A	Method Blank	T	Solid	5035	
240-3519-3	ASB-159_2-4(20110902)	T	Solid	5035	
240-3519-4	ASB-159_5-7(20110902)	T	Solid	5035	
240-3519-4DL	ASB-159_5-7(20110902)	T	Solid	5035	
240-3519-5	ASB-160_2-4(20110902)	T	Solid	5035	
240-3519-5MS	Matrix Spike	T	Solid	5035	
240-3519-5MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3519-6	ASB-160_5-7(20110902)	T	Solid	5035	
240-3519-7	ASB-161_1-3(20110902)	T	Solid	5035	
Analysis Batch:240-16334					
LCS 240-14847/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14847
LCSD 240-14847/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14847
MB 240-14847/1-A	Method Blank	T	Solid	WI-GRO	240-14847
240-3519-3	ASB-159_2-4(20110902)	T	Solid	WI-GRO	240-14847
240-3519-4	ASB-159_5-7(20110902)	T	Solid	WI-GRO	240-14847
240-3519-5	ASB-160_2-4(20110902)	T	Solid	WI-GRO	240-14847
240-3519-6	ASB-160_5-7(20110902)	T	Solid	WI-GRO	240-14847
240-3519-7	ASB-161_1-3(20110902)	T	Solid	WI-GRO	240-14847
Analysis Batch:240-16548					
LCS 240-14847/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14847
LCSD 240-14847/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14847
240-3519-3	ASB-159_2-4(20110902)	T	Solid	WI-GRO	240-14847
240-3519-4DL	ASB-159_5-7(20110902)	T	Solid	WI-GRO	240-14847
240-3519-5	ASB-160_2-4(20110902)	T	Solid	WI-GRO	240-14847
240-3519-5MS	Matrix Spike	T	Solid	WI-GRO	240-14847
240-3519-5MSD	Matrix Spike Duplicate	T	Solid	WI-GRO	240-14847
240-3519-6	ASB-160_5-7(20110902)	T	Solid	WI-GRO	240-14847

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
GC Semi VOA					
Prep Batch: 240-14522					
LCS 240-14522/9-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14522/10-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14522/8-A	Method Blank	T	Solid	WI DRO PREP	
240-3519-1	ASB-158_02(20110901)	T	Solid	WI DRO PREP	
240-3519-2	ASB-158_4-6(20110901)	T	Solid	WI DRO PREP	
240-3519-3	ASB-159_2-4(20110902)	T	Solid	WI DRO PREP	
240-3519-4	ASB-159_5-7(20110902)	T	Solid	WI DRO PREP	
240-3519-5	ASB-160_2-4(20110902)	T	Solid	WI DRO PREP	
240-3519-6	ASB-160_5-7(20110902)	T	Solid	WI DRO PREP	
240-3519-7	ASB-161_1-3(20110902)	T	Solid	WI DRO PREP	
Analysis Batch:240-14626					
LCS 240-14522/9-A	Lab Control Sample	T	Solid	WI-DRO	240-14522
LCSD 240-14522/10-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14522
MB 240-14522/8-A	Method Blank	T	Solid	WI-DRO	240-14522
240-3519-2	ASB-158_4-6(20110901)	T	Solid	WI-DRO	240-14522
Analysis Batch:240-15321					
240-3519-1	ASB-158_02(20110901)	T	Solid	WI-DRO	240-14522
240-3519-3	ASB-159_2-4(20110902)	T	Solid	WI-DRO	240-14522
240-3519-4	ASB-159_5-7(20110902)	T	Solid	WI-DRO	240-14522
240-3519-6	ASB-160_5-7(20110902)	T	Solid	WI-DRO	240-14522
Analysis Batch:240-16034					
240-3519-5	ASB-160_2-4(20110902)	T	Solid	WI-DRO	240-14522
240-3519-7	ASB-161_1-3(20110902)	T	Solid	WI-DRO	240-14522

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14529					
240-3519-1	ASB-158_02(20110901)	T	Solid	Moisture	
240-3519-1DU	Duplicate	T	Solid	Moisture	
240-3519-2	ASB-158_4-6(20110901)	T	Solid	Moisture	
240-3519-3	ASB-159_2-4(20110902)	T	Solid	Moisture	
240-3519-4	ASB-159_5-7(20110902)	T	Solid	Moisture	
240-3519-5	ASB-160_2-4(20110902)	T	Solid	Moisture	
240-3519-6	ASB-160_5-7(20110902)	T	Solid	Moisture	
240-3519-7	ASB-161_1-3(20110902)	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3519-1	ASB-158_02(20110901)	82	75	64	77
240-3519-2	ASB-158_4-6(20110901)	81	75	64	78
240-3519-3	ASB-159_2-4(20110902)	77	79	63	78
240-3519-4	ASB-159_5-7(20110902)	75	90	60	82
240-3519-5	ASB-160_2-4(20110902)	72	76	60	76
240-3519-6	ASB-160_5-7(20110902)	76	75	62	75
240-3519-7	ASB-161_1-3(20110902)	74	72	60	73
240-3519-8	TB-008(20110902)	107	101	85	102
MB 240-14890/1-A		87	85	73	86
MB 240-15010/1-A		86	83	70	85
LCS 240-14890/2-A		83	91	76	88
LCS 240-15010/2-A		84	85	76	87
240-3519-5 MS	ASB-160_2-4(20110902) MS	74	71	67	71
240-3519-5 MSD	ASB-160_2-4(20110902) MSD	71	72	65	71

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3519-1	ASB-158_02(20110901)	55	58	63	61	64	78
240-3519-2	ASB-158_4-6(20110901)	54	53	65	58	67	76
240-3519-3	ASB-159_2-4(20110902)	53	53	52	44	54	65
240-3519-4	ASB-159_5-7(20110902)	50	56	56	56	66	64
240-3519-5	ASB-160_2-4(20110902)	52	51	56	48	53	69
240-3519-6	ASB-160_5-7(20110902)	51	51	48	41	53	66
240-3519-7	ASB-161_1-3(20110902)	38	52	55	46	56	59
MB 240-14965/1-A		61	61	77	68	80	96
MB 240-14995/1-A		55	46	54	45	53	65
LCS 240-14965/2-A		63	64	77	74	80	81
LCS 240-14995/2-A		63	65	75	64	73	73
240-3510-C-1-B MS		0X	111X	68	0X	93	112
240-3686-C-1-B MS		23	25X	30	26	30	32X
240-3510-C-1-C MSD		0X	94	80	0X	88	106
240-3686-C-1-C MSD		50	48	51	42	53	63

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	11.0	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	73	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	400	80	27 - 121	
1,1,1-Trichloroethane	500	402	80	38 - 122	
1,1,2,2-Tetrachloroethane	500	545	109	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	444	89	48 - 151	
1,1,2-Trichloroethane	500	545	109	74 - 114	
1,1-Dichloroethane	500	449	90	63 - 117	
1,1-Dichloroethene	500	450	90	44 - 143	
1,1-Dichloropropene	500	476	95	60 - 123	
1,2,3-Trichlorobenzene	500	417	83	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	405	81	41 - 135	
1,2,4-Trimethylbenzene	500	500	100	62 - 133	
1,2-Dibromo-3-Chloropropane	500	408	82	10 - 129	J
1,2-Dibromoethane	500	510	102	47 - 123	
1,2-Dichlorobenzene	500	469	94	68 - 118	
1,2-Dichloroethane	500	464	93	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	486	97	60 - 130	
1,3-Dichlorobenzene	500	488	98	66 - 121	
1,3-Dichloropropane	500	530	106	74 - 119	
1,4-Dichlorobenzene	500	475	95	65 - 119	
2,2-Dichloropropane	500	382	76	25 - 123	
2-Butanone (MEK)	1000	1190	119	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1260	126	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1150	115	49 - 121	
Acetone	1000	730	73	16 - 156	J
Benzene	500	490	98	70 - 117	
Bromobenzene	500	510	102	72 - 120	
Bromochloromethane	500	463	93	56 - 128	
Bromodichloromethane	500	380	76	28 - 123	
Bromoform	500	469	94	10 - 117	
Bromomethane	500	288	58	10 - 114	
Carbon disulfide	500	306	61	10 - 132	
Carbon tetrachloride	500	374	75	29 - 118	
Chlorobenzene	500	486	97	71 - 116	
Chloroethane	500	372	74	10 - 120	
Chloroform	500	454	91	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	460	92	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	411	82	25 - 120	
Cyclohexane	500	453	91	40 - 120	J
Chlorodibromomethane	500	379	76	22 - 113	
Dibromomethane	500	510	102	68 - 118	
Dichlorodifluoromethane	500	283	57	10 - 110	
Ethyl ether	500	411	82	70 - 130	J
Ethylbenzene	500	484	97	66 - 119	
Hexachlorobutadiene	500	418	84	34 - 135	
Isopropylbenzene	500	461	92	61 - 123	
Methyl acetate	500	510	102	44 - 173	
Methyl tert butyl ether	500	486	97	34 - 157	J
Methylcyclohexane	500	471	94	41 - 133	J
Methylene Chloride	500	397	79	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	448	90	37 - 126	
n-Butylbenzene	500	478	96	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	481	96	68 - 120	
p-Isopropyltoluene	500	489	98	56 - 136	
sec-Butylbenzene	500	486	97	58 - 131	
Styrene	500	439	88	60 - 120	
tert-Butylbenzene	500	498	100	58 - 128	
Tetrachloroethene	500	510	102	58 - 131	
Tetrahydrofuran	500	545	109	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	436	87	22 - 122	
Trichloroethene	500	478	96	59 - 124	
Trichlorofluoromethane	500	313	63	17 - 145	
Vinyl chloride	500	390	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	39 - 128
4-Bromofluorobenzene (Surr)	91	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	88	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-15010 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-15010/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140859.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1310	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-15010 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-15010/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140859.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1310	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	12.3	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	39 - 128
4-Bromofluorobenzene (Surr)	83	26 - 141
Dibromofluoromethane (Surr)	70	30 - 122
Toluene-d8 (Surr)	85	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Control Sample - Batch: 240-15010

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15010/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140858.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1249	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	421	84	27 - 121	
1,1,1-Trichloroethane	500	413	83	38 - 122	
1,1,2,2-Tetrachloroethane	500	555	111	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	464	93	48 - 151	
1,1,2-Trichloroethane	500	535	107	74 - 114	
1,1-Dichloroethane	500	451	90	63 - 117	
1,1-Dichloroethene	500	461	92	44 - 143	
1,1-Dichloropropene	500	464	93	60 - 123	
1,2,3-Trichlorobenzene	500	450	90	43 - 129	
1,2,3-Trichloropropane	500	565	113	74 - 124	
1,2,4-Trichlorobenzene	500	429	86	41 - 135	
1,2,4-Trimethylbenzene	500	493	99	62 - 133	
1,2-Dibromo-3-Chloropropane	500	404	81	10 - 129	J
1,2-Dibromoethane	500	530	106	47 - 123	
1,2-Dichlorobenzene	500	495	99	68 - 118	
1,2-Dichloroethane	500	473	95	68 - 119	
1,2-Dichloropropane	500	500	100	73 - 113	
1,3,5-Trimethylbenzene	500	482	96	60 - 130	
1,3-Dichlorobenzene	500	485	97	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	472	94	65 - 119	
2,2-Dichloropropane	500	385	77	25 - 123	
2-Butanone (MEK)	1000	1170	117	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1240	124	43 - 130	
4-Chlorotoluene	500	515	103	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1180	118	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	494	99	70 - 117	
Bromobenzene	500	515	103	72 - 120	
Bromochloromethane	500	466	93	56 - 128	
Bromodichloromethane	500	393	79	28 - 123	
Bromoform	500	476	95	10 - 117	
Bromomethane	500	298	60	10 - 114	
Carbon disulfide	500	304	61	10 - 132	
Carbon tetrachloride	500	373	75	29 - 118	
Chlorobenzene	500	481	96	71 - 116	
Chloroethane	500	405	81	10 - 120	
Chloroform	500	465	93	63 - 116	
Chloromethane	500	365	73	25 - 110	
cis-1,2-Dichloroethene	500	459	92	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Control Sample - Batch: 240-15010 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-15010/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140858.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1249	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	393	79	25 - 120	
Cyclohexane	500	447	89	40 - 120	J
Chlorodibromomethane	500	369	74	22 - 113	
Dibromomethane	500	520	104	68 - 118	
Dichlorodifluoromethane	500	272	54	10 - 110	
Ethyl ether	500	425	85	70 - 130	J
Ethylbenzene	500	485	97	66 - 119	
Hexachlorobutadiene	500	420	84	34 - 135	
Isopropylbenzene	500	476	95	61 - 123	
Methyl acetate	500	535	107	44 - 173	
Methyl tert butyl ether	500	515	103	34 - 157	J
Methylcyclohexane	500	453	91	41 - 133	J
Methylene Chloride	500	399	80	27 - 172	
m-Xylene & p-Xylene	1000	965	97	67 - 118	
Naphthalene	500	468	94	37 - 126	
n-Butylbenzene	500	475	95	51 - 137	
N-Propylbenzene	500	525	105	64 - 130	
o-Xylene	500	489	98	68 - 120	
p-Isopropyltoluene	500	470	94	56 - 136	
sec-Butylbenzene	500	476	95	58 - 131	
Styrene	500	452	90	60 - 120	
tert-Butylbenzene	500	475	95	58 - 128	
Tetrachloroethene	500	492	98	58 - 131	
Tetrahydrofuran	500	570	114	70 - 130	J
Toluene	500	510	102	66 - 123	
trans-1,2-Dichloroethene	500	441	88	58 - 121	
trans-1,3-Dichloropropene	500	423	85	22 - 122	
Trichloroethene	500	493	99	59 - 124	
Trichlorofluoromethane	500	319	64	17 - 145	
Vinyl chloride	500	391	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	87	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15010

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3519-5	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140864.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.47 g
Analysis Date:	09/13/2011 1457			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3519-5	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.21 g
Analysis Date:	09/13/2011 1519			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	73	75	19 - 124	5	30		
1,1,1-Trichloroethane	73	72	10 - 159	2	30		
1,1,2,2-Tetrachloroethane	115	107	16 - 158	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	80	79	23 - 168	1	30		
1,1,2-Trichloroethane	100	96	34 - 152	1	30		
1,1-Dichloroethane	85	82	18 - 160	1	30		
1,1-Dichloroethene	83	81	10 - 179	0	30		
1,1-Dichloropropene	85	83	42 - 126	0	30		
1,2,3-Trichlorobenzene	82	79	10 - 123	1	30		
1,2,3-Trichloropropane	107	97	54 - 142	7	30		
1,2,4-Trichlorobenzene	78	76	10 - 136	0	30		
1,2,4-Trimethylbenzene	84	87	10 - 199	6	30		
1,2-Dibromo-3-Chloropropane	90	74	10 - 137	17	30	J	J
1,2-Dibromoethane	93	92	32 - 127	2	30		
1,2-Dichlorobenzene	85	85	27 - 126	2	30		
1,2-Dichloroethane	88	84	25 - 150	2	30		
1,2-Dichloropropane	88	85	58 - 118	1	30		
1,3,5-Trimethylbenzene	84	86	10 - 173	4	30		
1,3-Dichlorobenzene	86	86	29 - 124	2	30		
1,3-Dichloropropane	98	93	58 - 117	3	30		
1,4-Dichlorobenzene	82	83	30 - 123	3	30		
2,2-Dichloropropane	66	68	26 - 127	5	30		
2-Butanone (MEK)	114	94	10 - 172	18	30		J
2-Chlorotoluene	86	89	51 - 118	6	30		
2-Hexanone	131	110	21 - 141	15	30		
4-Chlorotoluene	88	90	43 - 120	4	30		
4-Methyl-2-pentanone (MIBK)	123	102	19 - 151	16	30		
Acetone	89	59	10 - 142	39	30	J	J F
Benzene	90	89	10 - 199	2	30		
Bromobenzene	89	91	49 - 119	4	30		
Bromochloromethane	85	82	42 - 123	2	30		
Bromodichloromethane	69	70	18 - 133	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15010

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3519-5	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140864.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.47 g
Analysis Date:	09/13/2011 1457			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3519-5	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.21 g
Analysis Date:	09/13/2011 1519			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromoform	89	89	10 - 147	2	30		
Bromomethane	57	53	10 - 151	6	30		
Carbon disulfide	44	44	10 - 155	3	30		
Carbon tetrachloride	67	64	12 - 135	3	30		
Chlorobenzene	86	86	47 - 118	3	30		
Chloroethane	61	74	10 - 168	21	30		
Chloroform	85	82	51 - 120	1	30		
Chloromethane	68	65	16 - 115	1	30		
cis-1,2-Dichloroethene	83	80	34 - 137	1	30		
cis-1,3-Dichloropropene	68	70	19 - 121	5	30		
Cyclohexane	83	80	10 - 154	0	30	J	J
Chlorodibromomethane	66	69	10 - 128	6	30		
Dibromomethane	94	88	45 - 121	5	30		
Dichlorodifluoromethane	47	44	10 - 113	6	30	J	J
Ethyl ether	89	85	70 - 130	2	30	J	J
Ethylbenzene	85	85	27 - 143	1	30		
Hexachlorobutadiene	77	77	10 - 134	2	30		
Isopropylbenzene	84	81	39 - 126	0	30		
Methyl acetate	115	100	10 - 175	9	30		
Methyl tert butyl ether	99	91	26 - 159	6	30	J	J
Methylcyclohexane	83	79	11 - 156	2	30	J	J
Methylene Chloride	78	74	10 - 148	3	30		
m-Xylene & p-Xylene	85	85	14 - 151	3	30		
Naphthalene	102	87	10 - 199	13	30		
n-Butylbenzene	79	77	13 - 154	1	30		
N-Propylbenzene	87	88	41 - 135	3	30		
o-Xylene	92	90	18 - 151	0	30		
p-Isopropyltoluene	86	87	33 - 139	4	30		
sec-Butylbenzene	79	82	41 - 133	6	30		
Styrene	80	83	31 - 137	6	30		
tert-Butylbenzene	86	90	45 - 132	8	30		
Tetrachloroethene	87	84	19 - 153	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15010

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3519-5	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140864.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.47 g
Analysis Date:	09/13/2011 1457			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3519-5	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.21 g
Analysis Date:	09/13/2011 1519			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	117	97	70 - 130	17	30	J	J
Toluene	90	90	10 - 168	3	30		
trans-1,2-Dichloroethene	81	77	40 - 126	2	30		
trans-1,3-Dichloropropene	74	71	10 - 136	2	30		
Trichloroethene	88	86	10 - 193	1	30		
Trichlorofluoromethane	57	56	10 - 157	0	30		
Vinyl chloride	72	69	15 - 123	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74	71	39 - 128
4-Bromofluorobenzene (Surr)	71	72	26 - 141
Dibromofluoromethane (Surr)	67	65	30 - 122
Toluene-d8 (Surr)	71	71	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14965

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14965/1-A	Analysis Batch:	240-15303	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14965	Lab File ID:	0914003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/14/2011 1147	Units:	ug/Kg	Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 0931			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	61	10 - 118
2-Fluorobiphenyl (Surr)	61	34 - 110
2-Fluorophenol (Surr)	77	26 - 110
Nitrobenzene-d5 (Surr)	68	24 - 112
Phenol-d5 (Surr)	80	28 - 110
Terphenyl-d14 (Surr)	96	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Control Sample - Batch: 240-14965

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14965/2-A	Analysis Batch:	240-15303	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14965	Lab File ID:	0914004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/14/2011 1205	Units:	ug/Kg	Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 0931			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	452	68	46 - 110	
Acenaphthene	667	451	68	46 - 110	
Acenaphthylene	667	448	67	47 - 110	
Anthracene	667	482	72	56 - 111	
Benzo[a]anthracene	667	490	73	58 - 111	
Benzo[a]pyrene	667	453	68	44 - 115	
Benzo[b]fluoranthene	667	507	76	43 - 124	
Benzo[g,h,i]perylene	667	540	81	44 - 120	
Benzo[k]fluoranthene	667	484	73	38 - 122	
Chrysene	667	493	74	56 - 111	
Dibenz(a,h)anthracene	667	537	80	45 - 122	
Fluoranthene	667	511	77	55 - 118	
Fluorene	667	459	69	51 - 110	
Indeno[1,2,3-cd]pyrene	667	505	76	45 - 121	
Naphthalene	667	441	66	42 - 110	
Phenanthrene	667	467	70	54 - 110	
Pyrene	667	486	73	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	63	10 - 118
2-Fluorobiphenyl (Surr)	64	34 - 110
2-Fluorophenol (Surr)	77	26 - 110
Nitrobenzene-d5 (Surr)	74	24 - 112
Phenol-d5 (Surr)	80	28 - 110
Terphenyl-d14 (Surr)	81	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14965

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3510-C-1-B MS	Analysis Batch:	240-15303	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14965	Lab File ID:	0914009.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	30.12 g
Analysis Date:	09/14/2011 1338			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 0931			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3510-C-1-C MSD	Analysis Batch:	240-15303	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-14965	Lab File ID:	0914010.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	09/14/2011 1356			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 0931			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]anthracene	58	58	10 - 200	0	30	J	J
Benzo[a]pyrene	96	93	10 - 200	3	30	J	J
Benzo[b]fluoranthene	113	103	10 - 200	9	30	J	J
Benzo[k]fluoranthene	95	97	10 - 200	3	30	J	J
Chrysene	86	89	10 - 200	3	30	J	J
Dibenz(a,h)anthracene	87	87	10 - 200	1	30	J	J
Indeno[1,2,3-cd]pyrene	184	186	10 - 200	1	30	J	J
Naphthalene	0	0	10 - 200	NC	30	F	F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	0	X	0	X	10 - 118
2-Fluorobiphenyl (Surr)	111	X	94		34 - 110
2-Fluorophenol (Surr)	68		80		26 - 110
Nitrobenzene-d5 (Surr)	0	X	0	X	24 - 112
Phenol-d5 (Surr)	93		88		28 - 110
Terphenyl-d14 (Surr)	112		106		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14995

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-14995/1-A	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14995	Lab File ID:	0915004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/15/2011 0856	Units:	ug/Kg	Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	55	10 - 118
2-Fluorobiphenyl (Surr)	46	34 - 110
2-Fluorophenol (Surr)	54	26 - 110
Nitrobenzene-d5 (Surr)	45	24 - 112
Phenol-d5 (Surr)	53	28 - 110
Terphenyl-d14 (Surr)	65	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Lab Control Sample - Batch: 240-14995

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-14995/2-A	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14995	Lab File ID:	0915005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/15/2011 0912	Units:	ug/Kg	Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	451	68	46 - 110	
Acenaphthene	667	448	67	46 - 110	
Acenaphthylene	667	460	69	47 - 110	
Anthracene	667	459	69	56 - 111	
Benzo[a]anthracene	667	446	67	58 - 111	
Benzo[a]pyrene	667	395	59	44 - 115	
Benzo[b]fluoranthene	667	461	69	43 - 124	
Benzo[g,h,i]perylene	667	464	70	44 - 120	
Benzo[k]fluoranthene	667	427	64	38 - 122	
Chrysene	667	438	66	56 - 111	
Dibenz(a,h)anthracene	667	463	69	45 - 122	
Fluoranthene	667	475	71	55 - 118	
Fluorene	667	465	70	51 - 110	
Indeno[1,2,3-cd]pyrene	667	461	69	45 - 121	
Naphthalene	667	423	63	42 - 110	
Phenanthrene	667	449	67	54 - 110	
Pyrene	667	447	67	58 - 113	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	63	10 - 118
2-Fluorobiphenyl (Surr)	65	34 - 110
2-Fluorophenol (Surr)	75	26 - 110
Nitrobenzene-d5 (Surr)	64	24 - 112
Phenol-d5 (Surr)	73	28 - 110
Terphenyl-d14 (Surr)	73	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14995

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3686-C-1-B MS	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14995	Lab File ID:	0915037.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.12 g
Analysis Date:	09/15/2011 1805			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3686-C-1-C MSD	Analysis Batch:	240-15427	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-14995	Lab File ID:	0915038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	09/15/2011 1822			Final Weight/Volume:	2.00 mL
Prep Date:	09/12/2011 1102			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	30	52	10 - 200	53	30	J	F
Acenaphthene	26	52	10 - 200	66	30	J	F
Acenaphthylene	28	54	10 - 200	65	30	J	F
Anthracene	30	58	10 - 200	65	30	J	F
Benzo[a]anthracene	29	58	10 - 200	65	30	J	F
Benzo[a]pyrene	26	52	10 - 200	68	30	J	F
Benzo[b]fluoranthene	30	60	10 - 200	67	30	J	F
Benzo[g,h,i]perylene	28	55	10 - 200	66	30	J	F
Benzo[k]fluoranthene	28	59	10 - 200	71	30	J	F
Chrysene	28	56	10 - 200	66	30	J	F
Dibenz(a,h)anthracene	29	56	10 - 200	64	30	J	F
Fluoranthene	31	63	10 - 200	68	30	J	F
Fluorene	29	58	10 - 187	67	30	J	F
Indeno[1,2,3-cd]pyrene	28	56	10 - 200	67	30	J	F
Naphthalene	26	47	10 - 200	57	30	J	J F
Phenanthrene	29	57	10 - 200	67	30	J	F
Pyrene	29	59	10 - 200	67	30	J	F

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	23		50	10 - 118
2-Fluorobiphenyl (Surr)	25	X	48	34 - 110
2-Fluorophenol (Surr)	30		51	26 - 110
Nitrobenzene-d5 (Surr)	26		42	24 - 112
Phenol-d5 (Surr)	30		53	28 - 110
Terphenyl-d14 (Surr)	32	X	63	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-14601/1-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1214	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14601

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14601/2-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/09/2011 1254	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14601/3-A	Analysis Batch:	240-14761	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14601	Lab File ID:	YF090924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/10/2011 0045	Units:	mg/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/08/2011 0809			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	82	83	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14847

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-14847/1-A	Analysis Batch:	240-16334	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092227.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/23/2011 0151	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample - Batch: 240-14847

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	LCS 240-14847/2-A	Analysis Batch:	240-16334	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092228.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/23/2011 0228	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
WI Gasoline Range Organics (C6-C10)	10.0	12.4	124	80 - 120	*

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14847

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14847/2-A	Analysis Batch:	240-16548	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092313.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/23/2011 2352	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14847/3-A	Analysis Batch:	240-16548	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092322.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/24/2011 0535	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	103	107	80 - 120	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14847

Method: WI-GRO
Preparation: 5035

MS Lab Sample ID:	240-3519-5	Analysis Batch:	240-16548	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092317.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.66 g
Analysis Date:	09/24/2011 0225			Final Weight/Volume:	12.7 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-3519-5	Analysis Batch:	240-16548	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092318.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.71 g
Analysis Date:	09/24/2011 0303			Final Weight/Volume:	12.7 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	13	46	80 - 120	28	20	J F	F

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Method Blank - Batch: 240-14522

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14522/8-A	Analysis Batch:	240-14626	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14522	Lab File ID:	P6F90822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/08/2011 1927	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	2.67	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14522

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14522/9-A	Analysis Batch:	240-14626	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14522	Lab File ID:	P6F90823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/08/2011 1956	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14522/10-A	Analysis Batch:	240-14626	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-14522	Lab File ID:	P6F90831.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/08/2011 2345	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/07/2011 1406			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	104	98	70 - 120	6	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3519-1

Duplicate - Batch: 240-14529

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3519-1	Analysis Batch:	240-14529	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/07/2011 1444	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	87	88	0.4	20	
Percent Moisture	13	12	3	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3519-1

Login Number: 3519

List Source: TestAmerica North Canton

List Number: 1

Creator: Ferrel, Matthew

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3596-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/30/2011 3:39 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/30/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3596-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/08/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 and 4.2 C.

Sample ASB-167_8-10(20110906) (240-3596-3) was taken off hold by client September 12, 2011 per client.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), MB-010(20110907) (240-3596-4), ASB-168_0-2(20110907) (240-3596-5), ASB-168_4-6(20110907) (240-3596-6), ASB-169_3-5(20110907) (240-3596-7), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10), ASB-172_1-3(20110907) (240-3596-11) and ASB-173_1-3(20110907) (240-3596-12) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/12/2011 and 09/13/2011.

Naphthalene was detected in method blank MB 240-14890/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Naphthalene was detected in method blank MB 240-15010/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for ASB-167_8-10(20110906) (240-3596-3). Refer to the QC report for details.

Sample ASB-167_8-10(20110906) (240-3596-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike

duplicate (MS/MSD) analyses for batch 14890 for these samples MB-010(20110907) (240-3596-4).

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: ASB-167_8-10(20110906) (240-3596-3). Elevated reporting limits (RLs) are provided for the sample in batch 15148 with prep batch 150101 on instrument UX14.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-169_3-5(20110907) (240-3596-7), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9) and ASB-171_1-3(20110907) (240-3596-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/19/2011, 09/20/2011, 09/21/2011 and 09/27/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria low for ASB-167_8-10(20110906) (240-3596-3). Refer to the QC report for details.

Caprolactam and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample ASB-169_3-5(20110907)MS (240-3596-7) in batch 240-16115.

2-Nitrophenol, Caprolactam and Hexachlorocyclopentadiene failed the recovery criteria low for the MSD of sample ASB-169_3-5(20110907)MSD (240-3596-7) in batch 240-16115. 2-Chlorophenol and Phenol exceeded the rpd limit.

Refer to the QC report for details.

Samples ASB-167_0-2(20110906) (240-3596-1)[5X], ASB-167_8-10(20110906) (240-3596-3)[4X], ASB-169_3-5(20110907) (240-3596-7)[10X], ASB-170_0-2(20110907) (240-3596-8)[5X] and ASB-171_1-3(20110907) (240-3596-10)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-167_8-10(20110906) (240-3596-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: (240-3596-7 MS), (240-3596-7 MSD), ASB-169_3-5(20110907) (240-3596-7). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-167_0-2(20110906) (240-3596-1). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-168_0-2(20110907) (240-3596-5), ASB-168_4-6(20110907) (240-3596-6), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10), ASB-172_1-3(20110907) (240-3596-11) and ASB-173_1-3(20110907) (240-3596-12) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/26/2011, 09/27/2011 and 09/28/2011.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria high for the MS/MSD of sample ASB-167_0-2(20110906)MS/MSD (240-3596-1) in batch 240-16677.

Sample ASB-167_8-10(20110906) (240-3596-3)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-GRO: The following sample required a dilution which was performed outside of the analytical holding time: ASB-167_8-10(20110906) (240-3596-3).

Method(s) WI-GRO: The LCSD that was used as the closer for batch 17016 recovered at 95% but does not appear on the reports for the associated samples.ASB-167_8-10(20110906) (240-3596-3), ASB-168_0-2(20110907) (240-3596-5) The LCSD is used as QC for another prep batch not associated with these samples, which were reruns from a previous analysis.

Refer to the QC report for details.

No other difficulties were encountered during the WI-GRO analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9) and ASB-171_1-3(20110907) (240-3596-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/22/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for ASB-170_0-2(20110907) (240-3596-8). Refer to the QC report for details.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-3745-14 MS), (240-3745-14 MSD), GP-20/16'-20' (240-3745-14).

Method(s) 8082: Two surrogates are used for this analysis. The laboratory's SOP allows 1 of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: ASB-170_0-2(20110907) (240-3596-8). These results have been reported and qualified.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10).

Method(s) 8082: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 15624 for these samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9) and ASB-171_1-3(20110907) (240-3596-10).

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-168_0-2(20110907) (240-3596-5), ASB-168_4-6(20110907) (240-3596-6), ASB-169_3-5(20110907) (240-3596-7), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10), ASB-172_1-3(20110907) (240-3596-11) and ASB-173_1-3(20110907) (240-3596-12) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/13/2011, 09/14/2011 and 09/20/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for the MS of sample ASB-168_0-2(20110907)MS (240-3596-5) in batch 240-15347.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for the MSD of sample ASB-168_0-2(20110907)MSD (240-3596-5) in batch 240-15347. WI Diesel Range Organics (C10-C28) exceeded the rpd limit.

Method(s) WI-DRO: The continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. ASB-167_6-8(20110906) (240-3596-2).

Method(s) WI DRO PREP: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: (240-3596-5 MS), (240-3596-5 MSD). The reporting limits (RLs) are elevated proportionately.

Refer to the QC report for details.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples ASB-167_0-2(20110906) (240-3596-1)[10X], ASB-167_8-10(20110906) (240-3596-3)[20X] and ASB-168_0-2(20110907)

(240-3596-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TCLP METALS (ICP)
Sample ASB-167_6-8(20110906) (240-3596-2) was analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 09/13/2011, prepared on 09/15/2011 and analyzed on 09/16/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-169_3-5(20110907) (240-3596-7), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10), ASB-172_1-3(20110907) (240-3596-11) and ASB-173_1-3(20110907) (240-3596-12) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/14/2011, 09/15/2011, 09/16/2011 and 09/19/2011.

Several analytes were detected in method blank MB 240-15003/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Potassium was detected in method blank MB 240-15517/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Calcium and Iron failed the recovery criteria low for the MS of sample ASB-167_0-2(20110906)MS (240-3596-1) in batch 240-15453. Aluminum, Cadmium, Lead and Manganese failed the recovery criteria high.

For the MSD of sample ASB-167_0-2(20110906)MSD (240-3596-1) in batch 240-15453, Several analytes failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Antimony, Cadmium, Chromium and Lead exceeded the rpd limit.

Antimony failed the recovery criteria low for the MS/MSD of sample ASB-167_8-10(20110906)MS/MSD (240-3596-3) in batch 240-15786. Aluminum, Iron and Manganese failed the recovery criteria high.

Refer to the QC report for details.

Sample ASB-172_1-3(20110907) (240-3596-11)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-169_3-5(20110907) (240-3596-7), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10), ASB-172_1-3(20110907) (240-3596-11) and ASB-173_1-3(20110907) (240-3596-12) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/14/2011 and 09/16/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples ASB-167_0-2(20110906) (240-3596-1), ASB-167_6-8(20110906) (240-3596-2), ASB-167_8-10(20110906) (240-3596-3), ASB-169_3-5(20110907) (240-3596-7), ASB-170_0-2(20110907) (240-3596-8), ASB-170_4-6(20110907) (240-3596-9), ASB-171_1-3(20110907) (240-3596-10), ASB-172_1-3(20110907) (240-3596-11) and ASB-173_1-3(20110907) (240-3596-12) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/09/2011 and 09/16/2011.

Percent Moisture exceeded the rpd limit for the duplicate of sample ASB-167_0-2(20110906)DU (240-3596-1). Refer to the QC report for details.

No other difficulties were encountered during the % solids analyses.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-1	**ASB-167_0-2(20110906)**					
1,2,4-Trimethylbenzene		19	J	260	ug/Kg	8260B
Methyl acetate		120	J	510	ug/Kg	8260B
Methylcyclohexane		24	J	510	ug/Kg	8260B
m-Xylene & p-Xylene		17	J	510	ug/Kg	8260B
Naphthalene		97	J B	260	ug/Kg	8260B
o-Xylene		11	J	260	ug/Kg	8260B
2-Methylnaphthalene		160	J	2000	ug/Kg	8270C
Anthracene		130	J	2000	ug/Kg	8270C
Benzo[a]anthracene		180	J	2000	ug/Kg	8270C
Benzo[b]fluoranthene		160	J	2000	ug/Kg	8270C
Benzo[k]fluoranthene		84	J	2000	ug/Kg	8270C
Chrysene		180	J	2000	ug/Kg	8270C
Dibenzofuran		51	J	2000	ug/Kg	8270C
Fluoranthene		390	J	2000	ug/Kg	8270C
Fluorene		77	J	2000	ug/Kg	8270C
Naphthalene		150	J	2000	ug/Kg	8270C
Phenanthrene		390	J	2000	ug/Kg	8270C
Pyrene		280	J	2000	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		6.3	J	12	mg/Kg	WI-GRO
Aroclor-1248		84		40	ug/Kg	8082
Aroclor-1260		44		40	ug/Kg	8082
WI Diesel Range Organics (C10-C28)		170		100	mg/Kg	WI-DRO
Aluminum		6600		23	mg/Kg	6010B
Antimony		400	B	1.1	mg/Kg	6010B
Barium		150	B	23	mg/Kg	6010B
Beryllium		0.45	J	0.57	mg/Kg	6010B
Calcium		38000		570	mg/Kg	6010B
Cadmium		19		0.23	mg/Kg	6010B
Cobalt		7.6		5.7	mg/Kg	6010B
Chromium		25		0.57	mg/Kg	6010B
Copper		19		2.8	mg/Kg	6010B
Iron		17000		11	mg/Kg	6010B
Potassium		870	B	570	mg/Kg	6010B
Magnesium		11000		570	mg/Kg	6010B
Manganese		610	B	1.7	mg/Kg	6010B
Silver		0.13	J	0.57	mg/Kg	6010B
Sodium		80	J	570	mg/Kg	6010B
Nickel		17		4.5	mg/Kg	6010B
Vanadium		27		5.7	mg/Kg	6010B
Zinc		75		2.3	mg/Kg	6010B
Arsenic		8.1		1.1	mg/Kg	6010B
Lead		440	B	0.34	mg/Kg	6010B
Selenium		6.4		0.57	mg/Kg	6010B
Mercury		0.052	J	0.12	mg/Kg	7471A
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-2	**ASB-167_6-8(20110906)**					
Isopropylbenzene		36	J	300	ug/Kg	8260B
Methyl acetate		94	J	590	ug/Kg	8260B
Methylcyclohexane		49	J	590	ug/Kg	8260B
Naphthalene		13	J B	300	ug/Kg	8260B
sec-Butylbenzene		17	J	300	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		33	J	400	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		22		11	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		3.8	J	11	mg/Kg	WI-DRO
Aluminum		6700		24	mg/Kg	6010B
Antimony		1.4	B	1.2	mg/Kg	6010B
Barium		22	J B	24	mg/Kg	6010B
Beryllium		0.59		0.59	mg/Kg	6010B
Calcium		11000		590	mg/Kg	6010B
Cobalt		13		5.9	mg/Kg	6010B
Chromium		13		0.59	mg/Kg	6010B
Copper		14		3.0	mg/Kg	6010B
Iron		13000		12	mg/Kg	6010B
Potassium		3700	B	590	mg/Kg	6010B
Magnesium		5700		590	mg/Kg	6010B
Manganese		190	B	1.8	mg/Kg	6010B
Sodium		180	J	590	mg/Kg	6010B
Nickel		24		4.7	mg/Kg	6010B
Vanadium		6.8		5.9	mg/Kg	6010B
Zinc		21		2.4	mg/Kg	6010B
Arsenic		7.2		1.2	mg/Kg	6010B
Lead		2.6	B	0.35	mg/Kg	6010B
Mercury		0.021	J	0.11	mg/Kg	7471A
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
TCLP						
Arsenic		0.0034	J	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-3	**ASB-167_8-10(20110906)**					
Carbon disulfide		600	J	3300	ug/Kg	8260B
Cyclohexane		6300	J	6500	ug/Kg	8260B
Ethylbenzene		1100	J	3300	ug/Kg	8260B
Isopropylbenzene		8500		3300	ug/Kg	8260B
Methylcyclohexane		54000		6500	ug/Kg	8260B
Naphthalene		1200	J B	3300	ug/Kg	8260B
n-Butylbenzene		7400		3300	ug/Kg	8260B
N-Propylbenzene		14000		3300	ug/Kg	8260B
sec-Butylbenzene		7600		3300	ug/Kg	8260B
2-Methylnaphthalene		1400	J	1900	ug/Kg	8270C
Acenaphthene		59	J	1900	ug/Kg	8270C
Anthracene		41	J	1900	ug/Kg	8270C
Fluorene		80	J	1900	ug/Kg	8270C
Naphthalene		550	J	1900	ug/Kg	8270C
Phenanthrene		150	J	1900	ug/Kg	8270C
Pyrene		61	J	1900	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		3000	H	660	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		1300		240	mg/Kg	WI-DRO
Aluminum		11000		28	mg/Kg	6010B
Barium		140		28	mg/Kg	6010B
Beryllium		0.82		0.71	mg/Kg	6010B
Calcium		9000		710	mg/Kg	6010B
Cadmium		0.16	J	0.28	mg/Kg	6010B
Cobalt		8.4		7.1	mg/Kg	6010B
Chromium		16		0.71	mg/Kg	6010B
Copper		18		3.6	mg/Kg	6010B
Iron		14000		14	mg/Kg	6010B
Potassium		2000	B	710	mg/Kg	6010B
Magnesium		3900		710	mg/Kg	6010B
Manganese		290		2.1	mg/Kg	6010B
Sodium		210	J	710	mg/Kg	6010B
Nickel		18		5.7	mg/Kg	6010B
Vanadium		21		7.1	mg/Kg	6010B
Zinc		35		2.8	mg/Kg	6010B
Arsenic		4.4		1.4	mg/Kg	6010B
Lead		9.9		0.43	mg/Kg	6010B
Selenium		1.1		0.71	mg/Kg	6010B
Percent Solids		70		0.10	%	Moisture
Percent Moisture		30		0.10	%	Moisture
240-3596-4	**MB-010(20110907)**					
Methyl acetate		29	J	500	ug/Kg	8260B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-5	**ASB-168_0-2(20110907)**					
Methyl acetate		35	J	400	ug/Kg	8260B
Naphthalene		23	J B	200	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		1.4	J	9.4	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		110		42	mg/Kg	WI-DRO
240-3596-6	**ASB-168_4-6(20110907)**					
Methyl acetate		37	J	460	ug/Kg	8260B
Naphthalene		9.9	J B	230	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		3.9	J	9.8	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		16		8.5	mg/Kg	WI-DRO
240-3596-7	**ASB-169_3-5(20110907)**					
Methyl acetate		32	J	500	ug/Kg	8260B
Naphthalene		12	J B	250	ug/Kg	8260B
Anthracene		140	J	3500	ug/Kg	8270C
Benzo[a]anthracene		350	J	3500	ug/Kg	8270C
Benzo[a]pyrene		300	J	3500	ug/Kg	8270C
Benzo[b]fluoranthene		450	J	3500	ug/Kg	8270C
Benzo[g,h,i]perylene		190	J	3500	ug/Kg	8270C
Benzo[k]fluoranthene		180	J	3500	ug/Kg	8270C
Chrysene		330	J	3500	ug/Kg	8270C
Fluoranthene		910	J	3500	ug/Kg	8270C
Fluorene		43	J	3500	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		180	J	3500	ug/Kg	8270C
Phenanthrene		540	J	3500	ug/Kg	8270C
Pyrene		630	J	3500	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		68		8.8	mg/Kg	WI-DRO
Barium		21	B	19	mg/Kg	6010B
Cadmium		0.045	J	0.19	mg/Kg	6010B
Chromium		8.8		0.49	mg/Kg	6010B
Arsenic		2.2		0.97	mg/Kg	6010B
Lead		6.6	B	0.29	mg/Kg	6010B
Percent Solids		94		0.10	%	Moisture
Percent Moisture		5.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-8	**ASB-170_0-2(20110907)**					
1,2,4-Trimethylbenzene		24	J	250	ug/Kg	8260B
1,3,5-Trimethylbenzene		7.9	J	250	ug/Kg	8260B
Ethylbenzene		9.6	J	250	ug/Kg	8260B
Methyl acetate		59	J	500	ug/Kg	8260B
Methylcyclohexane		63	J	500	ug/Kg	8260B
m-Xylene & p-Xylene		41	J	500	ug/Kg	8260B
Naphthalene		150	J B	250	ug/Kg	8260B
o-Xylene		24	J	250	ug/Kg	8260B
Toluene		27	J	250	ug/Kg	8260B
2-Methylnaphthalene		110	J	1800	ug/Kg	8270C
Acenaphthene		440	J	1800	ug/Kg	8270C
Acenaphthylene		20	J	1800	ug/Kg	8270C
Anthracene		1000	J	1800	ug/Kg	8270C
Benzo[a]anthracene		2800		1800	ug/Kg	8270C
Benzo[a]pyrene		2600		1800	ug/Kg	8270C
Benzo[b]fluoranthene		3300		1800	ug/Kg	8270C
Benzo[g,h,i]perylene		1600	J	1800	ug/Kg	8270C
Benzo[k]fluoranthene		1000	J	1800	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		160	J	1800	ug/Kg	8270C
Carbazole		480	J	1800	ug/Kg	8270C
Chrysene		2400		1800	ug/Kg	8270C
Dibenz(a,h)anthracene		530	J	1800	ug/Kg	8270C
Dibenzofuran		210	J	1800	ug/Kg	8270C
Fluoranthene		5900		1800	ug/Kg	8270C
Fluorene		370	J	1800	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		1500	J	1800	ug/Kg	8270C
Naphthalene		110	J	1800	ug/Kg	8270C
Phenanthrene		3300		1800	ug/Kg	8270C
Pyrene		4400		1800	ug/Kg	8270C
Aroclor-1260		60		35	ug/Kg	8082
Aluminum		3700		20	mg/Kg	6010B
Antimony		1.4	B	0.98	mg/Kg	6010B
Barium		57	B	20	mg/Kg	6010B
Beryllium		0.28	J	0.49	mg/Kg	6010B
Calcium		48000		490	mg/Kg	6010B
Cadmium		0.19	J	0.20	mg/Kg	6010B
Cobalt		4.4	J	4.9	mg/Kg	6010B
Chromium		9.2		0.49	mg/Kg	6010B
Copper		13		2.4	mg/Kg	6010B
Iron		12000		9.8	mg/Kg	6010B
Potassium		680	B	490	mg/Kg	6010B
Magnesium		24000		490	mg/Kg	6010B
Manganese		510	B	1.5	mg/Kg	6010B
Nickel		10		3.9	mg/Kg	6010B
Vanadium		17		4.9	mg/Kg	6010B
Zinc		71		2.0	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Arsenic	4.8		0.98	mg/Kg	6010B
Lead	53	B	0.29	mg/Kg	6010B
Mercury	0.051	J	0.088	mg/Kg	7471A
Percent Solids	93		0.10	%	Moisture
Percent Moisture	6.9		0.10	%	Moisture
240-3596-9 ASB-170_4-6(20110907)					
Methyl acetate	230	J	560	ug/Kg	8260B
Anthracene	11	J	410	ug/Kg	8270C
Benzo[a]anthracene	22	J	410	ug/Kg	8270C
Benzo[a]pyrene	21	J	410	ug/Kg	8270C
Benzo[b]fluoranthene	29	J	410	ug/Kg	8270C
Benzo[g,h,i]perylene	14	J	410	ug/Kg	8270C
Benzo[k]fluoranthene	11	J	410	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate	28	J	410	ug/Kg	8270C
Chrysene	23	J	410	ug/Kg	8270C
Fluoranthene	66	J	410	ug/Kg	8270C
Fluorene	5.4	J	410	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene	12	J	410	ug/Kg	8270C
Phenanthrene	50	J	410	ug/Kg	8270C
Pyrene	55	J	410	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)	2.4	J	12	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)	8.2	J	11	mg/Kg	WI-DRO
Aluminum	9700		24	mg/Kg	6010B
Barium	55	B	24	mg/Kg	6010B
Beryllium	0.64		0.59	mg/Kg	6010B
Calcium	37000		590	mg/Kg	6010B
Cobalt	14		5.9	mg/Kg	6010B
Chromium	17		0.59	mg/Kg	6010B
Copper	12		3.0	mg/Kg	6010B
Iron	17000		12	mg/Kg	6010B
Potassium	4000	B	590	mg/Kg	6010B
Magnesium	11000		590	mg/Kg	6010B
Manganese	470	B	1.8	mg/Kg	6010B
Sodium	220	J	590	mg/Kg	6010B
Nickel	23		4.7	mg/Kg	6010B
Vanadium	15		5.9	mg/Kg	6010B
Zinc	29		2.4	mg/Kg	6010B
Arsenic	5.8		1.2	mg/Kg	6010B
Lead	4.5	B	0.36	mg/Kg	6010B
Mercury	0.021	J	0.11	mg/Kg	7471A
Percent Solids	80		0.10	%	Moisture
Percent Moisture	20		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-10	**ASB-171_1-3(20110907)**					
Carbon disulfide		53	J	270	ug/Kg	8260B
Methyl acetate		130	J	540	ug/Kg	8260B
2-Methylnaphthalene		10	J	960	ug/Kg	8270C
Acenaphthene		110	J	960	ug/Kg	8270C
Acenaphthylene		38	J	960	ug/Kg	8270C
Anthracene		610	J	960	ug/Kg	8270C
Benzo[a]anthracene		1300		960	ug/Kg	8270C
Benzo[a]pyrene		930	J	960	ug/Kg	8270C
Benzo[b]fluoranthene		1100		960	ug/Kg	8270C
Benzo[g,h,i]perylene		450	J	960	ug/Kg	8270C
Benzo[k]fluoranthene		460	J	960	ug/Kg	8270C
Chrysene		1200		960	ug/Kg	8270C
Dibenz(a,h)anthracene		150	J	960	ug/Kg	8270C
Dibenzofuran		40	J	960	ug/Kg	8270C
Fluoranthene		2900		960	ug/Kg	8270C
Fluorene		200	J	960	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		400	J	960	ug/Kg	8270C
Phenanthrene		2000		960	ug/Kg	8270C
Pyrene		2300		960	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		1.8	J	12	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		8.2	J	9.9	mg/Kg	WI-DRO
Aluminum		7900		20	mg/Kg	6010B
Barium		92	B	20	mg/Kg	6010B
Beryllium		0.43	J	0.51	mg/Kg	6010B
Calcium		6000		510	mg/Kg	6010B
Cobalt		8.5		5.1	mg/Kg	6010B
Chromium		12		0.51	mg/Kg	6010B
Copper		11		2.6	mg/Kg	6010B
Iron		15000		10	mg/Kg	6010B
Potassium		1500	B	510	mg/Kg	6010B
Magnesium		1700		510	mg/Kg	6010B
Manganese		710	B	1.5	mg/Kg	6010B
Sodium		470	J	510	mg/Kg	6010B
Nickel		15		4.1	mg/Kg	6010B
Vanadium		28		5.1	mg/Kg	6010B
Zinc		27		2.0	mg/Kg	6010B
Arsenic		600		1.0	mg/Kg	6010B
Lead		6.2	B	0.31	mg/Kg	6010B
Selenium		1.0		0.51	mg/Kg	6010B
Thallium		0.57	J	1.0	mg/Kg	6010B
Mercury		0.062	J	0.086	mg/Kg	7471A
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-11	**ASB-172_1-3(20110907)**					
1,2,4-Trimethylbenzene		14	J	270	ug/Kg	8260B
1,3,5-Trimethylbenzene		7.4	J	270	ug/Kg	8260B
Methyl acetate		120	J	540	ug/Kg	8260B
m-Xylene & p-Xylene		13	J	540	ug/Kg	8260B
Naphthalene		39	J B	270	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		2.9	J	12	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		52		10	mg/Kg	WI-DRO
Aluminum		4900		20	mg/Kg	6010B
Antimony		32	B	1.0	mg/Kg	6010B
Barium		480	B	20	mg/Kg	6010B
Beryllium		0.40	J	0.51	mg/Kg	6010B
Calcium		34000		510	mg/Kg	6010B
Cadmium		1.3		0.20	mg/Kg	6010B
Cobalt		6.2		5.1	mg/Kg	6010B
Chromium		16		0.51	mg/Kg	6010B
Copper		40		2.6	mg/Kg	6010B
Iron		16000		10	mg/Kg	6010B
Potassium		1200	B	510	mg/Kg	6010B
Magnesium		12000		510	mg/Kg	6010B
Manganese		470	B	1.5	mg/Kg	6010B
Sodium		120	J	510	mg/Kg	6010B
Nickel		15		4.1	mg/Kg	6010B
Vanadium		16		5.1	mg/Kg	6010B
Zinc		400		2.0	mg/Kg	6010B
Arsenic		6.5		1.0	mg/Kg	6010B
Lead		3000	B	1.5	mg/Kg	6010B
Selenium		0.59		0.51	mg/Kg	6010B
Mercury		0.079	J	0.088	mg/Kg	7471A
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3596-12	**ASB-173_1-3(20110907)**					
Carbon disulfide		52	J	270	ug/Kg	8260B
Methyl acetate		93	J	550	ug/Kg	8260B
Naphthalene		11	J B	270	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		25		9.8	mg/Kg	WI-DRO
Aluminum		5000		22	mg/Kg	6010B
Antimony		1.3	B	1.1	mg/Kg	6010B
Barium		76	B	22	mg/Kg	6010B
Beryllium		0.41	J	0.54	mg/Kg	6010B
Calcium		30000		540	mg/Kg	6010B
Cadmium		0.16	J	0.22	mg/Kg	6010B
Cobalt		8.6		5.4	mg/Kg	6010B
Chromium		12		0.54	mg/Kg	6010B
Copper		15		2.7	mg/Kg	6010B
Iron		14000		11	mg/Kg	6010B
Potassium		1100	B	540	mg/Kg	6010B
Magnesium		7400		540	mg/Kg	6010B
Manganese		530	B	1.6	mg/Kg	6010B
Nickel		17		4.3	mg/Kg	6010B
Vanadium		16		5.4	mg/Kg	6010B
Zinc		40		2.2	mg/Kg	6010B
Arsenic		4.6		1.1	mg/Kg	6010B
Lead		39	B	0.32	mg/Kg	6010B
Mercury		0.017	J	0.11	mg/Kg	7471A
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Metals (ICP)	TAL NC	SW846 6010B	
TCLP Extraction			SW846 1311
Preparation, Total Metals			SW846 3010A
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Davies, Brian	BD
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3596-1	ASB-167_0-2(20110906)	Solid	09/06/2011 1815	09/08/2011 0930
240-3596-2	ASB-167_6-8(20110906)	Solid	09/06/2011 1840	09/08/2011 0930
240-3596-3	ASB-167_8-10(20110906)	Solid	09/06/2011 1850	09/08/2011 0930
240-3596-4	MB-010(20110907)	Solid	09/06/2011 0000	09/08/2011 0930
240-3596-5	ASB-168_0-2(20110907)	Solid	09/07/2011 0830	09/08/2011 0930
240-3596-6	ASB-168_4-6(20110907)	Solid	09/07/2011 0845	09/08/2011 0930
240-3596-7	ASB-169_3-5(20110907)	Solid	09/07/2011 1005	09/08/2011 0930
240-3596-8	ASB-170_0-2(20110907)	Solid	09/07/2011 1115	09/08/2011 0930
240-3596-9	ASB-170_4-6(20110907)	Solid	09/07/2011 1125	09/08/2011 0930
240-3596-10	ASB-171_1-3(20110907)	Solid	09/07/2011 1245	09/08/2011 0930
240-3596-11	ASB-172_1-3(20110907)	Solid	09/07/2011 1405	09/08/2011 0930
240-3596-12	ASB-173_1-3(20110907)	Solid	09/07/2011 1525	09/08/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140868.D
Dilution:	1.0			Initial Weight/Volume:	11.73 g
Analysis Date:	09/13/2011 1623			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.3	260
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.1	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	260
1,1,2-Trichloroethane		ND		12	260
1,1-Dichloroethane		ND		17	260
1,1-Dichloroethene		ND		18	260
1,1-Dichloropropene		ND		10	260
1,2,3-Trichlorobenzene		ND		10	260
1,2,3-Trichloropropane		ND		22	260
1,2,4-Trichlorobenzene		ND		7.5	260
1,2,4-Trimethylbenzene		19	J	5.1	260
1,2-Dibromo-3-Chloropropane		ND		51	510
1,2-Dibromoethane		ND		10	260
1,2-Dichlorobenzene		ND		8.8	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.4	260
1,3,5-Trimethylbenzene		ND		5.9	260
1,3-Dichlorobenzene		ND		4.9	260
1,3-Dichloropropane		ND		23	260
1,4-Dichlorobenzene		ND		8.2	260
2,2-Dichloropropane		ND		24	260
2-Butanone (MEK)		ND		44	1000
2-Chlorotoluene		ND		9.2	260
2-Hexanone		ND		20	1000
Allyl chloride		ND		54	510
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		49	1000
Acetone		ND		170	1000
Benzene		ND		12	260
Bromobenzene		ND		13	260
Bromochloromethane		ND		13	260
Bromodichloromethane		ND		10	260
Bromoform		ND		19	260
Bromomethane		ND		30	260
Carbon disulfide		ND		12	260
Carbon tetrachloride		ND		6.6	260
Chlorobenzene		ND		6.6	260
Chloroethane		ND		62	260
Chloroform		ND		9.0	260
Chloromethane		ND		14	260
cis-1,2-Dichloroethene		ND		7.1	260
cis-1,3-Dichloropropene		ND		8.1	260
Cyclohexane		ND		41	510
Chlorodibromomethane		ND		12	260
Dibromomethane		ND		14	260

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140868.D
Dilution:	1.0			Initial Weight/Volume:	11.73 g
Analysis Date:	09/13/2011 1623			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	260
Dichlorofluoromethane		ND		26	510
Ethyl ether		ND		15	510
Ethylbenzene		ND		5.5	260
Hexachlorobutadiene		ND		14	260
Isopropylbenzene		ND		6.7	260
Methyl acetate		120	J	26	510
Methyl tert butyl ether		ND		7.3	1000
Methylcyclohexane		24	J	12	510
Methylene Chloride		ND		79	260
m-Xylene & p-Xylene		17	J	6.4	510
Naphthalene		97	J B	6.9	260
n-Butylbenzene		ND		8.2	260
N-Propylbenzene		ND		14	260
o-Xylene		11	J	8.7	260
p-Isopropyltoluene		ND		4.9	260
sec-Butylbenzene		ND		4.8	260
Styrene		ND		5.7	260
tert-Butylbenzene		ND		6.7	260
Tetrachloroethene		ND		12	260
Tetrahydrofuran		ND		50	1000
Toluene		ND		17	260
trans-1,2-Dichloroethene		ND		9.4	260
trans-1,3-Dichloropropene		ND		20	260
Trichloroethene		ND		9.9	260
Trichlorofluoromethane		ND		16	260
Vinyl chloride		ND		18	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	71		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	72		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140869.D
Dilution:	1.0			Initial Weight/Volume:	10.26 g
Analysis Date:	09/13/2011 1644			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		46	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		21	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.7	300
1,2,4-Trimethylbenzene		ND		5.9	300
1,2-Dibromo-3-Chloropropane		ND		59	590
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.7	300
1,3,5-Trimethylbenzene		ND		6.9	300
1,3-Dichlorobenzene		ND		5.7	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.5	300
2,2-Dichloropropane		ND		27	300
2-Butanone (MEK)		ND		51	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		63	590
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		57	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		15	300
Bromochloromethane		ND		15	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		34	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.6	300
Chlorobenzene		ND		7.6	300
Chloroethane		ND		72	300
Chloroform		ND		10	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.2	300
cis-1,3-Dichloropropene		ND		9.4	300
Cyclohexane		ND		47	590
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140869.D
Dilution:	1.0			Initial Weight/Volume:	10.26 g
Analysis Date:	09/13/2011 1644			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	590
Ethyl ether		ND		18	590
Ethylbenzene		ND		6.4	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		36	J	7.7	300
Methyl acetate		94	J	30	590
Methyl tert butyl ether		ND		8.4	1200
Methylcyclohexane		49	J	14	590
Methylene Chloride		ND		91	300
m-Xylene & p-Xylene		ND		7.4	590
Naphthalene		13	J B	8.0	300
n-Butylbenzene		ND		9.5	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.7	300
sec-Butylbenzene		17	J	5.6	300
Styrene		ND		6.6	300
tert-Butylbenzene		ND		7.7	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		58	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		21	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70		39 - 128
4-Bromofluorobenzene (Surr)	70		26 - 141
Dibromofluoromethane (Surr)	59		30 - 122
Toluene-d8 (Surr)	69		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140861.D
Dilution:	10			Initial Weight/Volume:	10.901 g
Analysis Date:	09/13/2011 1353			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		120	3300
1,1,1-Trichloroethane		ND		270	3300
1,1,2,2-Tetrachloroethane		ND		120	3300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		510	3300
1,1,2-Trichloroethane		ND		160	3300
1,1-Dichloroethane		ND		220	3300
1,1-Dichloroethene		ND		240	3300
1,1-Dichloropropene		ND		130	3300
1,2,3-Trichlorobenzene		ND		130	3300
1,2,3-Trichloropropane		ND		270	3300
1,2,4-Trichlorobenzene		ND		95	3300
1,2,4-Trimethylbenzene		ND		65	3300
1,2-Dibromo-3-Chloropropane		ND		650	6500
1,2-Dibromoethane		ND		130	3300
1,2-Dichlorobenzene		ND		110	3300
1,2-Dichloroethane		ND		130	3300
1,2-Dichloropropane		ND		110	3300
1,3,5-Trimethylbenzene		ND		76	3300
1,3-Dichlorobenzene		ND		63	3300
1,3-Dichloropropane		ND		290	3300
1,4-Dichlorobenzene		ND		100	3300
2,2-Dichloropropane		ND		300	3300
2-Butanone (MEK)		ND		560	13000
2-Chlorotoluene		ND		120	3300
2-Hexanone		ND		260	13000
Allyl chloride		ND		690	6500
4-Chlorotoluene		ND		130	3300
4-Methyl-2-pentanone (MIBK)		ND		630	13000
Acetone		ND		2200	13000
Benzene		ND		160	3300
Bromobenzene		ND		170	3300
Bromochloromethane		ND		170	3300
Bromodichloromethane		ND		130	3300
Bromoform		ND		250	3300
Bromomethane		ND		380	3300
Carbon disulfide		600	J	160	3300
Carbon tetrachloride		ND		84	3300
Chlorobenzene		ND		84	3300
Chloroethane		ND		800	3300
Chloroform		ND		110	3300
Chloromethane		ND		180	3300
cis-1,2-Dichloroethene		ND		90	3300
cis-1,3-Dichloropropene		ND		100	3300
Cyclohexane		6300	J	520	6500
Chlorodibromomethane		ND		160	3300
Dibromomethane		ND		180	3300

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140861.D
Dilution:	10			Initial Weight/Volume:	10.901 g
Analysis Date:	09/13/2011 1353			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		210	3300
Dichlorofluoromethane		ND		330	6500
Ethyl ether		ND		200	6500
Ethylbenzene		1100	J	71	3300
Hexachlorobutadiene		ND		180	3300
Isopropylbenzene		8500		85	3300
Methyl acetate		ND		330	6500
Methyl tert butyl ether		ND		93	13000
Methylcyclohexane		54000		160	6500
Methylene Chloride		ND		1000	3300
m-Xylene & p-Xylene		ND		81	6500
Naphthalene		1200	J B	88	3300
n-Butylbenzene		7400		100	3300
N-Propylbenzene		14000		180	3300
o-Xylene		ND		110	3300
p-Isopropyltoluene		ND		63	3300
sec-Butylbenzene		7600		61	3300
Styrene		ND		73	3300
tert-Butylbenzene		ND		85	3300
Tetrachloroethene		ND		160	3300
Tetrahydrofuran		ND		640	13000
Toluene		ND		220	3300
trans-1,2-Dichloroethene		ND		120	3300
trans-1,3-Dichloropropene		ND		260	3300
Trichloroethene		ND		130	3300
Trichlorofluoromethane		ND		210	3300
Vinyl chloride		ND		240	3300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		39 - 128
4-Bromofluorobenzene (Surr)	143	X	26 - 141
Dibromofluoromethane (Surr)	74		30 - 122
Toluene-d8 (Surr)	110		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **MB-010(20110907)**

Lab Sample ID: 240-3596-4 Date Sampled: 09/06/2011 0000
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140840.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1809			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **MB-010(20110907)**

Lab Sample ID: 240-3596-4 Date Sampled: 09/06/2011 0000
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140840.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1809			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		29	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		39 - 128
4-Bromofluorobenzene (Surr)	92		26 - 141
Dibromofluoromethane (Surr)	79		30 - 122
Toluene-d8 (Surr)	95		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_0-2(20110907)**

Lab Sample ID: 240-3596-5 Date Sampled: 09/07/2011 0830
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140870.D
Dilution:	1.0			Initial Weight/Volume:	12.372 g
Analysis Date:	09/13/2011 1705			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		7.4	200
1,1,1-Trichloroethane		ND		17	200
1,1,2,2-Tetrachloroethane		ND		7.2	200
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		32	200
1,1,2-Trichloroethane		ND		9.7	200
1,1-Dichloroethane		ND		14	200
1,1-Dichloroethene		ND		15	200
1,1-Dichloropropene		ND		8.1	200
1,2,3-Trichlorobenzene		ND		8.1	200
1,2,3-Trichloropropane		ND		17	200
1,2,4-Trichlorobenzene		ND		5.9	200
1,2,4-Trimethylbenzene		ND		4.0	200
1,2-Dibromo-3-Chloropropane		ND		40	400
1,2-Dibromoethane		ND		8.1	200
1,2-Dichlorobenzene		ND		7.0	200
1,2-Dichloroethane		ND		8.1	200
1,2-Dichloropropane		ND		6.6	200
1,3,5-Trimethylbenzene		ND		4.7	200
1,3-Dichlorobenzene		ND		3.9	200
1,3-Dichloropropane		ND		18	200
1,4-Dichlorobenzene		ND		6.5	200
2,2-Dichloropropane		ND		19	200
2-Butanone (MEK)		ND		35	810
2-Chlorotoluene		ND		7.3	200
2-Hexanone		ND		16	810
Allyl chloride		ND		43	400
4-Chlorotoluene		ND		8.0	200
4-Methyl-2-pentanone (MIBK)		ND		39	810
Acetone		ND		140	810
Benzene		ND		9.7	200
Bromobenzene		ND		11	200
Bromochloromethane		ND		11	200
Bromodichloromethane		ND		8.0	200
Bromoform		ND		15	200
Bromomethane		ND		23	200
Carbon disulfide		ND		9.7	200
Carbon tetrachloride		ND		5.2	200
Chlorobenzene		ND		5.2	200
Chloroethane		ND		49	200
Chloroform		ND		7.1	200
Chloromethane		ND		11	200
cis-1,2-Dichloroethene		ND		5.6	200
cis-1,3-Dichloropropene		ND		6.4	200
Cyclohexane		ND		32	400
Chlorodibromomethane		ND		9.7	200
Dibromomethane		ND		11	200

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_0-2(20110907)**

Lab Sample ID: 240-3596-5 Date Sampled: 09/07/2011 0830
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140870.D
Dilution:	1.0			Initial Weight/Volume:	12.372 g
Analysis Date:	09/13/2011 1705			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		13	200
Dichlorofluoromethane		ND		20	400
Ethyl ether		ND		12	400
Ethylbenzene		ND		4.4	200
Hexachlorobutadiene		ND		11	200
Isopropylbenzene		ND		5.3	200
Methyl acetate		35	J	20	400
Methyl tert butyl ether		ND		5.7	810
Methylcyclohexane		ND		9.7	400
Methylene Chloride		ND		62	200
m-Xylene & p-Xylene		ND		5.0	400
Naphthalene		23	J B	5.4	200
n-Butylbenzene		ND		6.5	200
N-Propylbenzene		ND		11	200
o-Xylene		ND		6.9	200
p-Isopropyltoluene		ND		3.9	200
sec-Butylbenzene		ND		3.8	200
Styrene		ND		4.5	200
tert-Butylbenzene		ND		5.3	200
Tetrachloroethene		ND		9.7	200
Tetrahydrofuran		ND		40	810
Toluene		ND		14	200
trans-1,2-Dichloroethene		ND		7.4	200
trans-1,3-Dichloropropene		ND		16	200
Trichloroethene		ND		7.8	200
Trichlorofluoromethane		ND		13	200
Vinyl chloride		ND		15	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	75		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_4-6(20110907)**

Lab Sample ID: 240-3596-6 Date Sampled: 09/07/2011 0845
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140871.D
Dilution:	1.0			Initial Weight/Volume:	10.932 g
Analysis Date:	09/13/2011 1727			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.3	230
1,1,1-Trichloroethane		ND		19	230
1,1,2,2-Tetrachloroethane		ND		8.1	230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		36	230
1,1,2-Trichloroethane		ND		11	230
1,1-Dichloroethane		ND		16	230
1,1-Dichloroethene		ND		16	230
1,1-Dichloropropene		ND		9.1	230
1,2,3-Trichlorobenzene		ND		9.1	230
1,2,3-Trichloropropane		ND		19	230
1,2,4-Trichlorobenzene		ND		6.7	230
1,2,4-Trimethylbenzene		ND		4.6	230
1,2-Dibromo-3-Chloropropane		ND		46	460
1,2-Dibromoethane		ND		9.1	230
1,2-Dichlorobenzene		ND		7.9	230
1,2-Dichloroethane		ND		9.1	230
1,2-Dichloropropane		ND		7.5	230
1,3,5-Trimethylbenzene		ND		5.3	230
1,3-Dichlorobenzene		ND		4.4	230
1,3-Dichloropropane		ND		20	230
1,4-Dichlorobenzene		ND		7.3	230
2,2-Dichloropropane		ND		21	230
2-Butanone (MEK)		ND		39	910
2-Chlorotoluene		ND		8.2	230
2-Hexanone		ND		18	910
Allyl chloride		ND		48	460
4-Chlorotoluene		ND		9.1	230
4-Methyl-2-pentanone (MIBK)		ND		44	910
Acetone		ND		160	910
Benzene		ND		11	230
Bromobenzene		ND		12	230
Bromochloromethane		ND		12	230
Bromodichloromethane		ND		9.1	230
Bromoform		ND		17	230
Bromomethane		ND		27	230
Carbon disulfide		ND		11	230
Carbon tetrachloride		ND		5.9	230
Chlorobenzene		ND		5.9	230
Chloroethane		ND		56	230
Chloroform		ND		8.0	230
Chloromethane		ND		13	230
cis-1,2-Dichloroethene		ND		6.3	230
cis-1,3-Dichloropropene		ND		7.2	230
Cyclohexane		ND		37	460
Chlorodibromomethane		ND		11	230
Dibromomethane		ND		13	230

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_4-6(20110907)**

Lab Sample ID: 240-3596-6 Date Sampled: 09/07/2011 0845
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140871.D
Dilution:	1.0			Initial Weight/Volume:	10.932 g
Analysis Date:	09/13/2011 1727			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	230
Dichlorofluoromethane		ND		23	460
Ethyl ether		ND		14	460
Ethylbenzene		ND		4.9	230
Hexachlorobutadiene		ND		13	230
Isopropylbenzene		ND		5.9	230
Methyl acetate		37	J	23	460
Methyl tert butyl ether		ND		6.5	910
Methylcyclohexane		ND		11	460
Methylene Chloride		ND		70	230
m-Xylene & p-Xylene		ND		5.7	460
Naphthalene		9.9	J B	6.1	230
n-Butylbenzene		ND		7.3	230
N-Propylbenzene		ND		13	230
o-Xylene		ND		7.8	230
p-Isopropyltoluene		ND		4.4	230
sec-Butylbenzene		ND		4.3	230
Styrene		ND		5.1	230
tert-Butylbenzene		ND		5.9	230
Tetrachloroethene		ND		11	230
Tetrahydrofuran		ND		45	910
Toluene		ND		16	230
trans-1,2-Dichloroethene		ND		8.4	230
trans-1,3-Dichloropropene		ND		18	230
Trichloroethene		ND		8.9	230
Trichlorofluoromethane		ND		15	230
Vinyl chloride		ND		16	230

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140872.D
Dilution:	1.0			Initial Weight/Volume:	10.538 g
Analysis Date:	09/13/2011 1748			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.2	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		9.0	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.7	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.3	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.1	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.1	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		10	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		10	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.9	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		8.0	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140872.D
Dilution:	1.0			Initial Weight/Volume:	10.538 g
Analysis Date:	09/13/2011 1748			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		32	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		78	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		12	J B	6.7	250
n-Butylbenzene		ND		8.1	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.6	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.3	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.8	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		39 - 128
4-Bromofluorobenzene (Surr)	76		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115
Client Matrix: Solid % Moisture: 6.9 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140873.D
Dilution:	1.0			Initial Weight/Volume:	10.749 g
Analysis Date:	09/13/2011 1810			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		24	J	5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		7.9	J	5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115
Client Matrix: Solid % Moisture: 6.9 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140873.D
Dilution:	1.0			Initial Weight/Volume:	10.749 g
Analysis Date:	09/13/2011 1810			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		9.6	J	5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		59	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		63	J	12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		41	J	6.2	500
Naphthalene		150	J B	6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		24	J	8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		27	J	17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74		39 - 128
4-Bromofluorobenzene (Surr)	70		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	72		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140874.D
Dilution:	1.0			Initial Weight/Volume:	11.168 g
Analysis Date:	09/13/2011 1831			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		23	280
1,1,2,2-Tetrachloroethane		ND		9.9	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		23	280
1,2,4-Trichlorobenzene		ND		8.1	280
1,2,4-Trimethylbenzene		ND		5.6	280
1,2-Dibromo-3-Chloropropane		ND		56	560
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.6	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.1	280
1,3,5-Trimethylbenzene		ND		6.5	280
1,3-Dichlorobenzene		ND		5.3	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		8.9	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	560
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		14	280
Bromochloromethane		ND		14	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.1	280
Chlorobenzene		ND		7.1	280
Chloroethane		ND		68	280
Chloroform		ND		9.8	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.8	280
Cyclohexane		ND		45	560
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140874.D
Dilution:	1.0			Initial Weight/Volume:	11.168 g
Analysis Date:	09/13/2011 1831			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	560
Ethyl ether		ND		17	560
Ethylbenzene		ND		6.0	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.2	280
Methyl acetate		230	J	28	560
Methyl tert butyl ether		ND		7.9	1100
Methylcyclohexane		ND		13	560
Methylene Chloride		ND		86	280
m-Xylene & p-Xylene		ND		6.9	560
Naphthalene		ND		7.5	280
n-Butylbenzene		ND		8.9	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.5	280
p-Isopropyltoluene		ND		5.3	280
sec-Butylbenzene		ND		5.2	280
Styrene		ND		6.2	280
tert-Butylbenzene		ND		7.2	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		55	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68		39 - 128
4-Bromofluorobenzene (Surr)	68		26 - 141
Dibromofluoromethane (Surr)	57		30 - 122
Toluene-d8 (Surr)	69		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140875.D
Dilution:	1.0			Initial Weight/Volume:	10.848 g
Analysis Date:	09/13/2011 1852			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.8	270
1,2,4-Trimethylbenzene		ND		5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.2	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.8	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.6	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.7	270
2-Hexanone		ND		21	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		53	J	13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.5	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.4	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140875.D
Dilution:	1.0			Initial Weight/Volume:	10.848 g
Analysis Date:	09/13/2011 1852			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		130	J	27	540
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		ND		6.7	540
Naphthalene		ND		7.2	270
n-Butylbenzene		ND		8.6	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.1	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.9	270
trans-1,3-Dichloropropene		ND		21	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71		39 - 128
4-Bromofluorobenzene (Surr)	65		26 - 141
Dibromofluoromethane (Surr)	59		30 - 122
Toluene-d8 (Surr)	70		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-172_1-3(20110907)**

Lab Sample ID: 240-3596-11 Date Sampled: 09/07/2011 1405
Client Matrix: Solid % Moisture: 14.4 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140876.D
Dilution:	1.0			Initial Weight/Volume:	10.714 g
Analysis Date:	09/13/2011 1914			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.9	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.7	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		19	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		8.0	270
1,2,4-Trimethylbenzene		14	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.4	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.9	270
1,3,5-Trimethylbenzene		7.4	J	6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.8	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		190	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		32	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		66	270
Chloroform		ND		9.6	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		ND		44	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-172_1-3(20110907)**

Lab Sample ID: 240-3596-11 Date Sampled: 09/07/2011 1405
Client Matrix: Solid % Moisture: 14.4 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140876.D
Dilution:	1.0			Initial Weight/Volume:	10.714 g
Analysis Date:	09/13/2011 1914			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.1	270
Methyl acetate		120	J	27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		84	270
m-Xylene & p-Xylene		13	J	6.8	540
Naphthalene		39	J B	7.3	270
n-Butylbenzene		ND		8.7	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.3	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		19	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	72		39 - 128
4-Bromofluorobenzene (Surr)	71		26 - 141
Dibromofluoromethane (Surr)	59		30 - 122
Toluene-d8 (Surr)	74		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-173_1-3(20110907)**

Lab Sample ID: 240-3596-12 Date Sampled: 09/07/2011 1525
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140877.D
Dilution:	1.0			Initial Weight/Volume:	10.845 g
Analysis Date:	09/13/2011 1935			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.8	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		19	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		8.0	270
1,2,4-Trimethylbenzene		ND		5.5	270
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.4	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		9.0	270
1,3,5-Trimethylbenzene		ND		6.4	270
1,3-Dichlorobenzene		ND		5.3	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.8	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.9	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	550
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		32	270
Carbon disulfide		52	J	13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		67	270
Chloroform		ND		9.7	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.6	270
cis-1,3-Dichloropropene		ND		8.7	270
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-173_1-3(20110907)**

Lab Sample ID: 240-3596-12 Date Sampled: 09/07/2011 1525
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15010	Lab File ID:	140877.D
Dilution:	1.0			Initial Weight/Volume:	10.845 g
Analysis Date:	09/13/2011 1935			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	270
Dichlorofluoromethane		ND		27	550
Ethyl ether		ND		16	550
Ethylbenzene		ND		5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.1	270
Methyl acetate		93	J	27	550
Methyl tert butyl ether		ND		7.8	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		84	270
m-Xylene & p-Xylene		ND		6.8	550
Naphthalene		11	J B	7.4	270
n-Butylbenzene		ND		8.8	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.3	270
p-Isopropyltoluene		ND		5.3	270
sec-Butylbenzene		ND		5.2	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		18	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	70		26 - 141
Dibromofluoromethane (Surr)	60		30 - 122
Toluene-d8 (Surr)	72		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0927029.D
Dilution:	5.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/27/2011 2050			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		160	2000
2,2'-oxybis[1-chloropropane]		ND		57	2000
2,4,5-Trichlorophenol		ND		150	2000
2,4,6-Trichlorophenol		ND		480	2000
2,4-Dichlorophenol		ND		120	2000
2,4-Dimethylphenol		ND		120	2000
2,4-Dinitrophenol		ND		480	9600
2,4-Dinitrotoluene		ND		160	2000
2,6-Dinitrotoluene		ND		130	2000
2-Chloronaphthalene		ND		20	2000
2-Chlorophenol		ND		160	2000
2-Methylnaphthalene		160	J	20	2000
2-Methylphenol		ND		480	2000
2-Nitroaniline		ND		55	9600
2-Nitrophenol		ND		160	2000
3,3'-Dichlorobenzidine		ND		110	9600
3-Nitroaniline		ND		96	9600
4,6-Dinitro-2-methylphenol		ND		480	9600
4-Bromophenyl phenyl ether		ND		78	2000
4-Chloro-3-methylphenol		ND		130	2000
4-Chloroaniline		ND		100	2000
4-Chlorophenyl phenyl ether		ND		78	2000
4-Nitroaniline		ND		160	9600
4-Nitrophenol		ND		480	9600
Acenaphthene		ND		20	2000
Acenaphthylene		ND		20	2000
Acetophenone		ND		55	2000
Anthracene		130	J	20	2000
Atrazine		ND		55	2000
Benzaldehyde		ND		72	2000
Benzo[a]anthracene		180	J	20	2000
Benzo[a]pyrene		ND		20	2000
Benzo[b]fluoranthene		160	J	20	2000
Benzo[g,h,i]perylene		ND		20	2000
Benzo[k]fluoranthene		84	J	20	2000
Bis(2-chloroethoxy)methane		ND		130	2000
Bis(2-chloroethyl)ether		ND		12	2000
Bis(2-ethylhexyl) phthalate		ND		110	2000
Butyl benzyl phthalate		ND		60	2000
Caprolactam		ND		220	2000
Carbazole		ND		160	2000
Chrysene		180	J	6.6	2000
Dibenz(a,h)anthracene		ND		20	2000
Dibenzofuran		51	J	20	2000
Diethyl phthalate		ND		96	2000
Dimethyl phthalate		ND		100	2000

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0927029.D
Dilution:	5.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/27/2011 2050			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		90	2000
Di-n-octyl phthalate		ND		160	2000
Fluoranthene		390	J	20	2000
Fluorene		77	J	20	2000
Hexachlorobenzene		ND		13	2000
Hexachlorobutadiene		ND		160	2000
Hexachlorocyclopentadiene		ND		160	9600
Hexachloroethane		ND		54	2000
Indeno[1,2,3-cd]pyrene		ND		20	2000
Isophorone		ND		78	2000
Naphthalene		150	J	20	2000
Nitrobenzene		ND		13	2000
N-Nitrosodi-n-propylamine		ND		160	2000
N-Nitrosodiphenylamine		ND		130	2000
Pentachlorophenol		ND		480	2000
Phenol		ND		160	2000
Phenanthrene		390	J	20	2000
Pyrene		280	J	20	2000
3 & 4 Methylphenol		ND		120	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	58		26 - 110
2,4,6-Tribromophenol (Surr)	49		10 - 118
Nitrobenzene-d5 (Surr)	45		24 - 112
Phenol-d5 (Surr)	58		28 - 110
Terphenyl-d14 (Surr)	57		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0921024.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/21/2011 1900			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		33	400
2,2'-oxybis[1-chloropropane]		ND		12	400
2,4,5-Trichlorophenol		ND		30	400
2,4,6-Trichlorophenol		ND		97	400
2,4-Dichlorophenol		ND		24	400
2,4-Dimethylphenol		ND		24	400
2,4-Dinitrophenol		ND		97	1900
2,4-Dinitrotoluene		ND		33	400
2,6-Dinitrotoluene		ND		26	400
2-Chloronaphthalene		ND		4.0	400
2-Chlorophenol		ND		33	400
2-Methylnaphthalene		ND		4.0	400
2-Methylphenol		ND		97	400
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		33	400
3,3'-Dichlorobenzidine		ND		22	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		97	1900
4-Bromophenyl phenyl ether		ND		16	400
4-Chloro-3-methylphenol		ND		26	400
4-Chloroaniline		ND		21	400
4-Chlorophenyl phenyl ether		ND		16	400
4-Nitroaniline		ND		32	1900
4-Nitrophenol		ND		97	1900
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Acetophenone		ND		11	400
Anthracene		ND		4.0	400
Atrazine		ND		11	400
Benzaldehyde		ND		15	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Bis(2-chloroethoxy)methane		ND		27	400
Bis(2-chloroethyl)ether		ND		2.4	400
Bis(2-ethylhexyl) phthalate		33	J	23	400
Butyl benzyl phthalate		ND		12	400
Caprolactam		ND		45	400
Carbazole		ND		33	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Dibenzofuran		ND		4.0	400
Diethyl phthalate		ND		19	400
Dimethyl phthalate		ND		21	400

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0921024.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/21/2011 1900			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	400
Di-n-octyl phthalate		ND		33	400
Fluoranthene		ND		4.0	400
Fluorene		ND		4.0	400
Hexachlorobenzene		ND		2.6	400
Hexachlorobutadiene		ND		33	400
Hexachlorocyclopentadiene		ND		33	1900
Hexachloroethane		ND		11	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Isophorone		ND		16	400
Naphthalene		ND		4.0	400
Nitrobenzene		ND		2.7	400
N-Nitrosodi-n-propylamine		ND		33	400
N-Nitrosodiphenylamine		ND		26	400
Pentachlorophenol		ND		97	400
Phenol		ND		33	400
Phenanthrene		ND		4.0	400
Pyrene		ND		4.0	400
3 & 4 Methylphenol		ND		24	490

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	56		26 - 110
2,4,6-Tribromophenol (Surr)	52		10 - 118
Nitrobenzene-d5 (Surr)	53		24 - 112
Phenol-d5 (Surr)	58		28 - 110
Terphenyl-d14 (Surr)	63		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15962	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0920040.D
Dilution:	4.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/20/2011 2029			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		150	1900
2,2'-oxybis[1-chloropropane]		ND		54	1900
2,4,5-Trichlorophenol		ND		140	1900
2,4,6-Trichlorophenol		ND		460	1900
2,4-Dichlorophenol		ND		110	1900
2,4-Dimethylphenol		ND		110	1900
2,4-Dinitrophenol		ND		460	9100
2,4-Dinitrotoluene		ND		150	1900
2,6-Dinitrotoluene		ND		120	1900
2-Chloronaphthalene		ND		19	1900
2-Chlorophenol		ND		150	1900
2-Methylnaphthalene		1400	J	19	1900
2-Methylphenol		ND		460	1900
2-Nitroaniline		ND		52	9100
2-Nitrophenol		ND		150	1900
3,3'-Dichlorobenzidine		ND		100	9100
3-Nitroaniline		ND		91	9100
4,6-Dinitro-2-methylphenol		ND		460	9100
4-Bromophenyl phenyl ether		ND		74	1900
4-Chloro-3-methylphenol		ND		120	1900
4-Chloroaniline		ND		97	1900
4-Chlorophenyl phenyl ether		ND		74	1900
4-Nitroaniline		ND		150	9100
4-Nitrophenol		ND		460	9100
Acenaphthene		59	J	19	1900
Acenaphthylene		ND		19	1900
Acetophenone		ND		52	1900
Anthracene		41	J	19	1900
Atrazine		ND		52	1900
Benzaldehyde		ND		68	1900
Benzo[a]anthracene		ND		19	1900
Benzo[a]pyrene		ND		19	1900
Benzo[b]fluoranthene		ND		19	1900
Benzo[g,h,i]perylene		ND		19	1900
Benzo[k]fluoranthene		ND		19	1900
Bis(2-chloroethoxy)methane		ND		130	1900
Bis(2-chloroethyl)ether		ND		11	1900
Bis(2-ethylhexyl) phthalate		ND		110	1900
Butyl benzyl phthalate		ND		57	1900
Caprolactam		ND		210	1900
Carbazole		ND		150	1900
Chrysene		ND		6.3	1900
Dibenz(a,h)anthracene		ND		19	1900
Dibenzofuran		ND		19	1900
Diethyl phthalate		ND		91	1900
Dimethyl phthalate		ND		97	1900

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15962	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0920040.D
Dilution:	4.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/20/2011 2029			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		85	1900
Di-n-octyl phthalate		ND		150	1900
Fluoranthene		ND		19	1900
Fluorene		80	J	19	1900
Hexachlorobenzene		ND		12	1900
Hexachlorobutadiene		ND		150	1900
Hexachlorocyclopentadiene		ND		150	9100
Hexachloroethane		ND		51	1900
Indeno[1,2,3-cd]pyrene		ND		19	1900
Isophorone		ND		74	1900
Naphthalene		550	J	19	1900
Nitrobenzene		ND		13	1900
N-Nitrosodi-n-propylamine		ND		150	1900
N-Nitrosodiphenylamine		ND		120	1900
Pentachlorophenol		ND		460	1900
Phenol		ND		150	1900
Phenanthrene		150	J	19	1900
Pyrene		61	J	19	1900
3 & 4 Methylphenol		ND		110	2300

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		34 - 110
2-Fluorophenol (Surr)	55		26 - 110
2,4,6-Tribromophenol (Surr)	68		10 - 118
Nitrobenzene-d5 (Surr)	0	X	24 - 112
Phenol-d5 (Surr)	62		28 - 110
Terphenyl-d14 (Surr)	65		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0921031.D
Dilution:	10			Initial Weight/Volume:	30.00 g
Analysis Date:	09/21/2011 2107			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		290	3500
2,2'-oxybis[1-chloropropane]		ND		100	3500
2,4,5-Trichlorophenol		ND		270	3500
2,4,6-Trichlorophenol		ND		850	3500
2,4-Dichlorophenol		ND		210	3500
2,4-Dimethylphenol		ND		210	3500
2,4-Dinitrophenol		ND		850	17000
2,4-Dinitrotoluene		ND		290	3500
2,6-Dinitrotoluene		ND		220	3500
2-Chloronaphthalene		ND		35	3500
2-Chlorophenol		ND		290	3500
2-Methylnaphthalene		ND		35	3500
2-Methylphenol		ND		850	3500
2-Nitroaniline		ND		97	17000
2-Nitrophenol		ND		290	3500
3,3'-Dichlorobenzidine		ND		190	17000
3-Nitroaniline		ND		170	17000
4,6-Dinitro-2-methylphenol		ND		850	17000
4-Bromophenyl phenyl ether		ND		140	3500
4-Chloro-3-methylphenol		ND		220	3500
4-Chloroaniline		ND		180	3500
4-Chlorophenyl phenyl ether		ND		140	3500
4-Nitroaniline		ND		280	17000
4-Nitrophenol		ND		850	17000
Acenaphthene		ND		35	3500
Acenaphthylene		ND		35	3500
Acetophenone		ND		98	3500
Anthracene		140	J	35	3500
Atrazine		ND		97	3500
Benzaldehyde		ND		130	3500
Benzo[a]anthracene		350	J	35	3500
Benzo[a]pyrene		300	J	35	3500
Benzo[b]fluoranthene		450	J	35	3500
Benzo[g,h,i]perylene		190	J	35	3500
Benzo[k]fluoranthene		180	J	35	3500
Bis(2-chloroethoxy)methane		ND		230	3500
Bis(2-chloroethyl)ether		ND		21	3500
Bis(2-ethylhexyl) phthalate		ND		200	3500
Butyl benzyl phthalate		ND		110	3500
Caprolactam		ND		390	3500
Carbazole		ND		290	3500
Chrysene		330	J	12	3500
Dibenz(a,h)anthracene		ND		35	3500
Dibenzofuran		ND		35	3500
Diethyl phthalate		ND		170	3500
Dimethyl phthalate		ND		180	3500

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0921031.D
Dilution:	10			Initial Weight/Volume:	30.00 g
Analysis Date:	09/21/2011 2107			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		160	3500
Di-n-octyl phthalate		ND		290	3500
Fluoranthene		910	J	35	3500
Fluorene		43	J	35	3500
Hexachlorobenzene		ND		22	3500
Hexachlorobutadiene		ND		290	3500
Hexachlorocyclopentadiene		ND		290	17000
Hexachloroethane		ND		95	3500
Indeno[1,2,3-cd]pyrene		180	J	35	3500
Isophorone		ND		140	3500
Naphthalene		ND		35	3500
Nitrobenzene		ND		23	3500
N-Nitrosodi-n-propylamine		ND		290	3500
N-Nitrosodiphenylamine		ND		220	3500
Pentachlorophenol		ND		850	3500
Phenol		ND		290	3500
Phenanthrene		540	J	35	3500
Pyrene		630	J	35	3500
3 & 4 Methylphenol		ND		210	4200

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		34 - 110
2-Fluorophenol (Surr)	59		26 - 110
2,4,6-Tribromophenol (Surr)	46		10 - 118
Nitrobenzene-d5 (Surr)	54		24 - 112
Phenol-d5 (Surr)	59		28 - 110
Terphenyl-d14 (Surr)	71		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115
Client Matrix: Solid % Moisture: 6.9 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0919031.D
Dilution:	5.0			Initial Weight/Volume:	30.02 g
Analysis Date:	09/19/2011 1930			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		140	1800
2,2'-oxybis[1-chloropropane]		ND		51	1800
2,4,5-Trichlorophenol		ND		130	1800
2,4,6-Trichlorophenol		ND		430	1800
2,4-Dichlorophenol		ND		110	1800
2,4-Dimethylphenol		ND		110	1800
2,4-Dinitrophenol		ND		430	8600
2,4-Dinitrotoluene		ND		140	1800
2,6-Dinitrotoluene		ND		110	1800
2-Chloronaphthalene		ND		18	1800
2-Chlorophenol		ND		140	1800
2-Methylnaphthalene		110	J	18	1800
2-Methylphenol		ND		430	1800
2-Nitroaniline		ND		49	8600
2-Nitrophenol		ND		140	1800
3,3'-Dichlorobenzidine		ND		97	8600
3-Nitroaniline		ND		86	8600
4,6-Dinitro-2-methylphenol		ND		430	8600
4-Bromophenyl phenyl ether		ND		70	1800
4-Chloro-3-methylphenol		ND		110	1800
4-Chloroaniline		ND		91	1800
4-Chlorophenyl phenyl ether		ND		70	1800
4-Nitroaniline		ND		140	8600
4-Nitrophenol		ND		430	8600
Acenaphthene		440	J	18	1800
Acenaphthylene		20	J	18	1800
Acetophenone		ND		49	1800
Anthracene		1000	J	18	1800
Atrazine		ND		49	1800
Benzaldehyde		ND		64	1800
Benzo[a]anthracene		2800		18	1800
Benzo[a]pyrene		2600		18	1800
Benzo[b]fluoranthene		3300		18	1800
Benzo[g,h,i]perylene		1600	J	18	1800
Benzo[k]fluoranthene		1000	J	18	1800
Bis(2-chloroethoxy)methane		ND		120	1800
Bis(2-chloroethyl)ether		ND		11	1800
Bis(2-ethylhexyl) phthalate		160	J	100	1800
Butyl benzyl phthalate		ND		54	1800
Caprolactam		ND		200	1800
Carbazole		480	J	140	1800
Chrysene		2400		5.9	1800
Dibenz(a,h)anthracene		530	J	18	1800
Dibenzofuran		210	J	18	1800
Diethyl phthalate		ND		86	1800
Dimethyl phthalate		ND		91	1800

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115
Client Matrix: Solid % Moisture: 6.9 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0919031.D
Dilution:	5.0			Initial Weight/Volume:	30.02 g
Analysis Date:	09/19/2011 1930			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		81	1800
Di-n-octyl phthalate		ND		140	1800
Fluoranthene		5900		18	1800
Fluorene		370	J	18	1800
Hexachlorobenzene		ND		11	1800
Hexachlorobutadiene		ND		140	1800
Hexachlorocyclopentadiene		ND		140	8600
Hexachloroethane		ND		48	1800
Indeno[1,2,3-cd]pyrene		1500	J	18	1800
Isophorone		ND		70	1800
Naphthalene		110	J	18	1800
Nitrobenzene		ND		12	1800
N-Nitrosodi-n-propylamine		ND		140	1800
N-Nitrosodiphenylamine		ND		110	1800
Pentachlorophenol		ND		430	1800
Phenol		ND		140	1800
Phenanthrene		3300		18	1800
Pyrene		4400		18	1800
3 & 4 Methylphenol		ND		110	2100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	72		34 - 110
2-Fluorophenol (Surr)	77		26 - 110
2,4,6-Tribromophenol (Surr)	56		10 - 118
Nitrobenzene-d5 (Surr)	64		24 - 112
Phenol-d5 (Surr)	65		28 - 110
Terphenyl-d14 (Surr)	86		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0919028.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/19/2011 1836			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		34	410
2,2'-oxybis[1-chloropropane]		ND		12	410
2,4,5-Trichlorophenol		ND		31	410
2,4,6-Trichlorophenol		ND		99	410
2,4-Dichlorophenol		ND		25	410
2,4-Dimethylphenol		ND		25	410
2,4-Dinitrophenol		ND		99	2000
2,4-Dinitrotoluene		ND		34	410
2,6-Dinitrotoluene		ND		26	410
2-Chloronaphthalene		ND		4.1	410
2-Chlorophenol		ND		34	410
2-Methylnaphthalene		ND		4.1	410
2-Methylphenol		ND		99	410
2-Nitroaniline		ND		11	2000
2-Nitrophenol		ND		34	410
3,3'-Dichlorobenzidine		ND		22	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		99	2000
4-Bromophenyl phenyl ether		ND		16	410
4-Chloro-3-methylphenol		ND		26	410
4-Chloroaniline		ND		21	410
4-Chlorophenyl phenyl ether		ND		16	410
4-Nitroaniline		ND		32	2000
4-Nitrophenol		ND		99	2000
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Acetophenone		ND		11	410
Anthracene		11	J	4.1	410
Atrazine		ND		11	410
Benzaldehyde		ND		15	410
Benzo[a]anthracene		22	J	4.1	410
Benzo[a]pyrene		21	J	4.1	410
Benzo[b]fluoranthene		29	J	4.1	410
Benzo[g,h,i]perylene		14	J	4.1	410
Benzo[k]fluoranthene		11	J	4.1	410
Bis(2-chloroethoxy)methane		ND		27	410
Bis(2-chloroethyl)ether		ND		2.5	410
Bis(2-ethylhexyl) phthalate		28	J	24	410
Butyl benzyl phthalate		ND		12	410
Caprolactam		ND		46	410
Carbazole		ND		34	410
Chrysene		23	J	1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Dibenzofuran		ND		4.1	410
Diethyl phthalate		ND		20	410
Dimethyl phthalate		ND		21	410

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0919028.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/19/2011 1836			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	410
Di-n-octyl phthalate		ND		34	410
Fluoranthene		66	J	4.1	410
Fluorene		5.4	J	4.1	410
Hexachlorobenzene		ND		2.6	410
Hexachlorobutadiene		ND		34	410
Hexachlorocyclopentadiene		ND		34	2000
Hexachloroethane		ND		11	410
Indeno[1,2,3-cd]pyrene		12	J	4.1	410
Isophorone		ND		16	410
Naphthalene		ND		4.1	410
Nitrobenzene		ND		2.7	410
N-Nitrosodi-n-propylamine		ND		34	410
N-Nitrosodiphenylamine		ND		26	410
Pentachlorophenol		ND		99	410
Phenol		ND		34	410
Phenanthrene		50	J	4.1	410
Pyrene		55	J	4.1	410
3 & 4 Methylphenol		ND		25	500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		34 - 110
2-Fluorophenol (Surr)	71		26 - 110
2,4,6-Tribromophenol (Surr)	57		10 - 118
Nitrobenzene-d5 (Surr)	55		24 - 112
Phenol-d5 (Surr)	59		28 - 110
Terphenyl-d14 (Surr)	86		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15962	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0920039.D
Dilution:	2.5			Initial Weight/Volume:	30.00 g
Analysis Date:	09/20/2011 2011			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		79	960
2,2'-oxybis[1-chloropropane]		ND		28	960
2,4,5-Trichlorophenol		ND		73	960
2,4,6-Trichlorophenol		ND		230	960
2,4-Dichlorophenol		ND		58	960
2,4-Dimethylphenol		ND		58	960
2,4-Dinitrophenol		ND		230	4700
2,4-Dinitrotoluene		ND		79	960
2,6-Dinitrotoluene		ND		61	960
2-Chloronaphthalene		ND		9.6	960
2-Chlorophenol		ND		79	960
2-Methylnaphthalene		10	J	9.6	960
2-Methylphenol		ND		230	960
2-Nitroaniline		ND		27	4700
2-Nitrophenol		ND		79	960
3,3'-Dichlorobenzidine		ND		52	4700
3-Nitroaniline		ND		47	4700
4,6-Dinitro-2-methylphenol		ND		230	4700
4-Bromophenyl phenyl ether		ND		38	960
4-Chloro-3-methylphenol		ND		61	960
4-Chloroaniline		ND		50	960
4-Chlorophenyl phenyl ether		ND		38	960
4-Nitroaniline		ND		76	4700
4-Nitrophenol		ND		230	4700
Acenaphthene		110	J	9.6	960
Acenaphthylene		38	J	9.6	960
Acetophenone		ND		27	960
Anthracene		610	J	9.6	960
Atrazine		ND		27	960
Benzaldehyde		ND		35	960
Benzo[a]anthracene		1300		9.6	960
Benzo[a]pyrene		930	J	9.6	960
Benzo[b]fluoranthene		1100		9.6	960
Benzo[g,h,i]perylene		450	J	9.6	960
Benzo[k]fluoranthene		460	J	9.6	960
Bis(2-chloroethoxy)methane		ND		64	960
Bis(2-chloroethyl)ether		ND		5.8	960
Bis(2-ethylhexyl) phthalate		ND		55	960
Butyl benzyl phthalate		ND		29	960
Caprolactam		ND		110	960
Carbazole		ND		79	960
Chrysene		1200		3.2	960
Dibenz(a,h)anthracene		150	J	9.6	960
Dibenzofuran		40	J	9.6	960
Diethyl phthalate		ND		47	960
Dimethyl phthalate		ND		50	960

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-15962	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-15477	Lab File ID:	0920039.D
Dilution:	2.5			Initial Weight/Volume:	30.00 g
Analysis Date:	09/20/2011 2011			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		44	960
Di-n-octyl phthalate		ND		79	960
Fluoranthene		2900		9.6	960
Fluorene		200	J	9.6	960
Hexachlorobenzene		ND		6.1	960
Hexachlorobutadiene		ND		79	960
Hexachlorocyclopentadiene		ND		79	4700
Hexachloroethane		ND		26	960
Indeno[1,2,3-cd]pyrene		400	J	9.6	960
Isophorone		ND		38	960
Naphthalene		ND		9.6	960
Nitrobenzene		ND		6.4	960
N-Nitrosodi-n-propylamine		ND		79	960
N-Nitrosodiphenylamine		ND		61	960
Pentachlorophenol		ND		230	960
Phenol		ND		79	960
Phenanthrene		2000		9.6	960
Pyrene		2300		9.6	960
3 & 4 Methylphenol		ND		58	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		34 - 110
2-Fluorophenol (Surr)	65		26 - 110
2,4,6-Tribromophenol (Surr)	65		10 - 118
Nitrobenzene-d5 (Surr)	59		24 - 112
Phenol-d5 (Surr)	68		28 - 110
Terphenyl-d14 (Surr)	73		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092616.D
Dilution:	1.0			Initial Weight/Volume:	11.25 g
Analysis Date:	09/26/2011 1958			Final Weight/Volume:	11.3 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		6.3	J	0.39	12

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092619.D
Dilution:	1.0			Initial Weight/Volume:	10.94 g
Analysis Date:	09/26/2011 2157			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		22		0.36	11

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092811.D
Dilution:	50			Initial Weight/Volume:	10.822 g
Analysis Date:	09/28/2011 1554	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		3000	H	21	660

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_0-2(20110907)**

Lab Sample ID: 240-3596-5 Date Sampled: 09/07/2011 0830
Client Matrix: Solid Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092808.D
Dilution:	1.0			Initial Weight/Volume:	10.645 g
Analysis Date:	09/28/2011 1356			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		1.4	J	0.30	9.4

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_4-6(20110907)**

Lab Sample ID: 240-3596-6 Date Sampled: 09/07/2011 0845
Client Matrix: Solid Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092622.D
Dilution:	1.0			Initial Weight/Volume:	10.156 g
Analysis Date:	09/26/2011 2352			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		3.9	J	0.32	9.8

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092623.D
Dilution:	1.0			Initial Weight/Volume:	11.664 g
Analysis Date:	09/27/2011 0031			Final Weight/Volume:	11.7 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		2.4	J	0.40	12

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092624.D
Dilution:	1.0			Initial Weight/Volume:	11.305 g
Analysis Date:	09/27/2011 0109			Final Weight/Volume:	11.3 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		1.8	J	0.37	12

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-172_1-3(20110907)**

Lab Sample ID: 240-3596-11 Date Sampled: 09/07/2011 1405
Client Matrix: Solid % Moisture: 14.4 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092625.D
Dilution:	1.0			Initial Weight/Volume:	11.646 g
Analysis Date:	09/27/2011 0147			Final Weight/Volume:	11.6 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		2.9	J	0.37	12

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-173_1-3(20110907)**

Lab Sample ID: 240-3596-12 Date Sampled: 09/07/2011 1525
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092626.D
Dilution:	1.0			Initial Weight/Volume:	9.32 g
Analysis Date:	09/27/2011 0225			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.41	13

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15624	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/22/2011 0929			Injection Volume:	1 mL
Prep Date:	09/16/2011 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		84		20	40
Aroclor-1254		ND		20	40
Aroclor-1260		44		20	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	66		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15624	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/22/2011 0944			Injection Volume:	1 mL
Prep Date:	09/16/2011 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		21	40
Aroclor-1254		ND		21	40
Aroclor-1260		ND		21	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		29 - 151
DCB Decachlorobiphenyl	62		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15624	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/22/2011 0959			Injection Volume:	1 mL
Prep Date:	09/16/2011 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		30	47
Aroclor-1221		ND		23	47
Aroclor-1232		ND		20	47
Aroclor-1242		ND		19	47
Aroclor-1248		ND		24	47
Aroclor-1254		ND		24	47
Aroclor-1260		ND		24	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		29 - 151
DCB Decachlorobiphenyl	58		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115
Client Matrix: Solid % Moisture: 6.9 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15624	Initial Weight/Volume:	30.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/22/2011 1014			Injection Volume:	1 mL
Prep Date:	09/16/2011 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		60		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		29 - 151
DCB Decachlorobiphenyl	182	X	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15624	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/22/2011 1029			Injection Volume:	1 mL
Prep Date:	09/16/2011 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		17	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		29 - 151
DCB Decachlorobiphenyl	49		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15624	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/22/2011 1044			Injection Volume:	1 mL
Prep Date:	09/16/2011 0824			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		19	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		20	38
Aroclor-1254		ND		20	38
Aroclor-1260		ND		20	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000006.D
Dilution:	10			Initial Weight/Volume:	27.56 g
Analysis Date:	09/14/2011 1527			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		170		13	100

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000026.D
Dilution:	1.0			Initial Weight/Volume:	27.68 g
Analysis Date:	09/13/2011 2233			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.8	J	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000007.D
Dilution:	20			Initial Weight/Volume:	28.27 g
Analysis Date:	09/14/2011 1551			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		1300		30	240

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_0-2(20110907)**

Lab Sample ID: 240-3596-5 Date Sampled: 09/07/2011 0830
Client Matrix: Solid Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000011.D
Dilution:	5.0			Initial Weight/Volume:	28.55 g
Analysis Date:	09/14/2011 1728			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		110		5.3	42

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-168_4-6(20110907)**

Lab Sample ID: 240-3596-6 Date Sampled: 09/07/2011 0845
Client Matrix: Solid Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15865	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000036.D
Dilution:	1.0			Initial Weight/Volume:	28.34 g
Analysis Date:	09/20/2011 0223			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		16		1.1	8.5

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000013.D
Dilution:	1.0			Initial Weight/Volume:	28.91 g
Analysis Date:	09/14/2011 1817			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		68		1.1	8.8

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000014.D
Dilution:	1.0			Initial Weight/Volume:	28.28 g
Analysis Date:	09/14/2011 1841			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		8.2	J	1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000015.D
Dilution:	1.0			Initial Weight/Volume:	28.37 g
Analysis Date:	09/14/2011 1905			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		8.2	J	1.2	9.9

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-172_1-3(20110907)**

Lab Sample ID: 240-3596-11 Date Sampled: 09/07/2011 1405
Client Matrix: Solid % Moisture: 14.4 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000016.D
Dilution:	1.0			Initial Weight/Volume:	27 g
Analysis Date:	09/14/2011 1929			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		52		1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-173_1-3(20110907)**

Lab Sample ID: 240-3596-12 Date Sampled: 09/07/2011 1525
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000017.D
Dilution:	1.0			Initial Weight/Volume:	29.02 g
Analysis Date:	09/14/2011 1953			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		25		1.2	9.8

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/14/2011 1515			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6600		11	23
Antimony		400	B	0.44	1.1
Barium		150	B	0.081	23
Beryllium		0.45	J	0.049	0.57
Calcium		38000		18	570
Cadmium		19		0.041	0.23
Cobalt		7.6		0.18	5.7
Chromium		25		0.23	0.57
Copper		19		0.84	2.8
Iron		17000		5.6	11
Potassium		870	B	7.0	570
Magnesium		11000		5.8	570
Manganese		610	B	0.084	1.7
Silver		0.13	J	0.11	0.57
Sodium		80	J	75	570
Nickel		17		0.31	4.5
Vanadium		27		0.14	5.7
Zinc		75		1.1	2.3
Arsenic		8.1		0.34	1.1
Lead		440	B	0.22	0.34
Selenium		6.4		0.51	0.57
Thallium		ND		0.62	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	09/14/2011 0904			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.052	J	0.017	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	09/14/2011 1549			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6700		11	24
Antimony		1.4	B	0.46	1.2
Barium		22	J B	0.084	24
Beryllium		0.59		0.051	0.59
Calcium		11000		19	590
Cadmium		ND		0.043	0.24
Cobalt		13		0.19	5.9
Chromium		13		0.24	0.59
Copper		14		0.88	3.0
Iron		13000		5.8	12
Potassium		3700	B	7.3	590
Magnesium		5700		6.0	590
Manganese		190	B	0.088	1.8
Silver		ND		0.12	0.59
Sodium		180	J	78	590
Nickel		24		0.32	4.7
Vanadium		6.8		0.14	5.9
Zinc		21		1.2	2.4
Arsenic		7.2		0.35	1.2
Lead		2.6	B	0.22	0.35
Selenium		ND		0.53	0.59
Thallium		ND		0.65	1.2

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-15786	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15423	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	240-15229	Initial Weight/Volume:	50 mL
Analysis Date:	09/16/2011 1310			Final Weight/Volume:	50 mL
Prep Date:	09/15/2011 0634				
Leach Date:	09/13/2011 1600				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.0034	J	0.0032	0.50

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	09/14/2011 0907			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840
Client Matrix: Solid % Moisture: 17.9 Date Received: 09/08/2011 0930

7471A Mercury (CVAA)

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850
Client Matrix: Solid % Moisture: 29.8 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15786	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15517	Lab File ID:	I50916A
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Analysis Date:	09/16/2011 1835			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1204				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11000		14	28
Antimony		ND		0.56	1.4
Barium		140		0.10	28
Beryllium		0.82		0.061	0.71
Calcium		9000		23	710
Cadmium		0.16	J	0.051	0.28
Cobalt		8.4		0.23	7.1
Chromium		16		0.28	0.71
Copper		18		1.1	3.6
Iron		14000		7.0	14
Potassium		2000	B	8.8	710
Magnesium		3900		7.3	710
Manganese		290		0.11	2.1
Silver		ND		0.14	0.71
Sodium		210	J	94	710
Nickel		18		0.38	5.7
Vanadium		21		0.17	7.1
Zinc		35		1.4	2.8
Arsenic		4.4		0.43	1.4
Lead		9.9		0.27	0.43
Thallium		ND		0.78	1.4

Analysis Method:	6010B	Analysis Batch:	240-15958	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15517	Lab File ID:	I50919A
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Analysis Date:	09/19/2011 1128			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1204				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Selenium		1.1		0.64	0.71

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15521	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	09/16/2011 1628			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.021	0.14

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005
Client Matrix: Solid % Moisture: 5.7 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Analysis Date:	09/14/2011 1555			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		21	B	0.069	19
Cadmium		0.045	J	0.035	0.19
Chromium		8.8		0.19	0.49
Silver		ND		0.097	0.49
Arsenic		2.2		0.29	0.97
Lead		6.6	B	0.18	0.29
Selenium		ND		0.44	0.49

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.80 g
Analysis Date:	09/14/2011 0909			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.012	0.080

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115
Client Matrix: Solid % Moisture: 6.9 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/14/2011 1600			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3700		9.4	20
Antimony		1.4	B	0.38	0.98
Barium		57	B	0.069	20
Beryllium		0.28	J	0.042	0.49
Calcium		48000		16	490
Cadmium		0.19	J	0.035	0.20
Cobalt		4.4	J	0.16	4.9
Chromium		9.2		0.20	0.49
Copper		13		0.72	2.4
Iron		12000		4.8	9.8
Potassium		680	B	6.1	490
Magnesium		24000		5.0	490
Manganese		510	B	0.072	1.5
Silver		ND		0.098	0.49
Sodium		ND		64	490
Nickel		10		0.26	3.9
Vanadium		17		0.12	4.9
Zinc		71		0.98	2.0
Arsenic		4.8		0.29	0.98
Lead		53	B	0.19	0.29
Selenium		ND		0.44	0.49
Thallium		ND		0.54	0.98

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.73 g
Analysis Date:	09/14/2011 0910			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051	J	0.013	0.088

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125
Client Matrix: Solid % Moisture: 19.6 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	09/14/2011 1606			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9700		11	24
Antimony		ND		0.46	1.2
Barium		55	B	0.084	24
Beryllium		0.64		0.051	0.59
Calcium		37000		19	590
Cadmium		ND		0.043	0.24
Cobalt		14		0.19	5.9
Chromium		17		0.24	0.59
Copper		12		0.88	3.0
Iron		17000		5.8	12
Potassium		4000	B	7.3	590
Magnesium		11000		6.0	590
Manganese		470	B	0.088	1.8
Silver		ND		0.12	0.59
Sodium		220	J	78	590
Nickel		23		0.32	4.7
Vanadium		15		0.14	5.9
Zinc		29		1.2	2.4
Arsenic		5.8		0.36	1.2
Lead		4.5	B	0.23	0.36
Selenium		ND		0.53	0.59
Thallium		ND		0.65	1.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	09/14/2011 0911			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245
Client Matrix: Solid % Moisture: 14.2 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/14/2011 1611			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7900		9.8	20
Antimony		ND		0.40	1.0
Barium		92	B	0.073	20
Beryllium		0.43	J	0.044	0.51
Calcium		6000		16	510
Cadmium		ND		0.037	0.20
Cobalt		8.5		0.16	5.1
Chromium		12		0.20	0.51
Copper		11		0.76	2.6
Iron		15000		5.0	10
Potassium		1500	B	6.3	510
Magnesium		1700		5.2	510
Manganese		710	B	0.076	1.5
Silver		ND		0.10	0.51
Sodium		470	J	68	510
Nickel		15		0.28	4.1
Vanadium		28		0.12	5.1
Zinc		27		1.0	2.0
Arsenic		600		0.31	1.0
Lead		6.2	B	0.19	0.31
Selenium		1.0		0.46	0.51
Thallium		0.57	J	0.56	1.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.81 g
Analysis Date:	09/14/2011 0913			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.062	J	0.013	0.086

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-172_1-3(20110907)**

Lab Sample ID: 240-3596-11 Date Sampled: 09/07/2011 1405
Client Matrix: Solid % Moisture: 14.4 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/14/2011 1617			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4900		9.8	20
Antimony		32	B	0.40	1.0
Barium		480	B	0.073	20
Beryllium		0.40	J	0.044	0.51
Calcium		34000		16	510
Cadmium		1.3		0.037	0.20
Cobalt		6.2		0.16	5.1
Chromium		16		0.20	0.51
Copper		40		0.76	2.6
Iron		16000		5.0	10
Potassium		1200	B	6.4	510
Magnesium		12000		5.2	510
Manganese		470	B	0.076	1.5
Silver		ND		0.10	0.51
Sodium		120	J	68	510
Nickel		15		0.28	4.1
Vanadium		16		0.12	5.1
Zinc		400		1.0	2.0
Arsenic		6.5		0.31	1.0
Selenium		0.59		0.46	0.51
Thallium		ND		0.56	1.0

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	5.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/15/2011 0818			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		3000	B	0.97	1.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.80 g
Analysis Date:	09/14/2011 0916			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.079	J	0.013	0.088

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Client Sample ID: **ASB-173_1-3(20110907)**

Lab Sample ID: 240-3596-12 Date Sampled: 09/07/2011 1525
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15453	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/14/2011 1623			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5000		10	22
Antimony		1.3	B	0.42	1.1
Barium		76	B	0.077	22
Beryllium		0.41	J	0.047	0.54
Calcium		30000		17	540
Cadmium		0.16	J	0.039	0.22
Cobalt		8.6		0.17	5.4
Chromium		12		0.22	0.54
Copper		15		0.80	2.7
Iron		14000		5.3	11
Potassium		1100	B	6.7	540
Magnesium		7400		5.5	540
Manganese		530	B	0.080	1.6
Silver		ND		0.11	0.54
Sodium		ND		71	540
Nickel		17		0.29	4.3
Vanadium		16		0.13	5.4
Zinc		40		1.1	2.2
Arsenic		4.6		0.32	1.1
Lead		39	B	0.21	0.32
Selenium		ND		0.49	0.54
Thallium		ND		0.60	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	09/14/2011 0918			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	J	0.016	0.11

General Chemistry

Client Sample ID: **ASB-167_0-2(20110906)**

Lab Sample ID: 240-3596-1 Date Sampled: 09/06/2011 1815

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-167_6-8(20110906)**

Lab Sample ID: 240-3596-2 Date Sampled: 09/06/2011 1840

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-167_8-10(20110906)**

Lab Sample ID: 240-3596-3 Date Sampled: 09/06/2011 1850

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15723	Analysis Date: 09/16/2011 1606						DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15723	Analysis Date: 09/16/2011 1606						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-169_3-5(20110907)**

Lab Sample ID: 240-3596-7 Date Sampled: 09/07/2011 1005

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	5.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-170_0-2(20110907)**

Lab Sample ID: 240-3596-8 Date Sampled: 09/07/2011 1115

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	6.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-170_4-6(20110907)**

Lab Sample ID: 240-3596-9 Date Sampled: 09/07/2011 1125

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-171_1-3(20110907)**

Lab Sample ID: 240-3596-10 Date Sampled: 09/07/2011 1245

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-172_1-3(20110907)**

Lab Sample ID: 240-3596-11 Date Sampled: 09/07/2011 1405

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-173_1-3(20110907)**

Lab Sample ID: 240-3596-12 Date Sampled: 09/07/2011 1525

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0914						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
GC Semi VOA		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
General Chemistry		
	F	Duplicate RPD exceeds the control limit

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14890					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14890/1-A	Method Blank	T	Solid	5035	
240-3596-4	MB-010(20110907)	T	Solid	5035	
Analysis Batch:240-14988					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	8260B	240-14890
MB 240-14890/1-A	Method Blank	T	Solid	8260B	240-14890
240-3596-4	MB-010(20110907)	T	Solid	8260B	240-14890
Prep Batch: 240-15010					
LCS 240-15010/2-A	Lab Control Sample	T	Solid	5035	
MB 240-15010/1-A	Method Blank	T	Solid	5035	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	5035	
240-3596-1MS	Matrix Spike	T	Solid	5035	
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	5035	
240-3596-3	ASB-167_8-10(20110906)	T	Solid	5035	
240-3596-5	ASB-168_0-2(20110907)	T	Solid	5035	
240-3596-6	ASB-168_4-6(20110907)	T	Solid	5035	
240-3596-7	ASB-169_3-5(20110907)	T	Solid	5035	
240-3596-8	ASB-170_0-2(20110907)	T	Solid	5035	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	5035	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	5035	
240-3596-11	ASB-172_1-3(20110907)	T	Solid	5035	
240-3596-12	ASB-173_1-3(20110907)	T	Solid	5035	
Analysis Batch:240-15148					
LCS 240-15010/2-A	Lab Control Sample	T	Solid	8260B	240-15010
MB 240-15010/1-A	Method Blank	T	Solid	8260B	240-15010
240-3596-1	ASB-167_0-2(20110906)	T	Solid	8260B	240-15010
240-3596-1MS	Matrix Spike	T	Solid	8260B	240-15010
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	8260B	240-15010
240-3596-2	ASB-167_6-8(20110906)	T	Solid	8260B	240-15010
240-3596-3	ASB-167_8-10(20110906)	T	Solid	8260B	240-15010
240-3596-5	ASB-168_0-2(20110907)	T	Solid	8260B	240-15010
240-3596-6	ASB-168_4-6(20110907)	T	Solid	8260B	240-15010
240-3596-7	ASB-169_3-5(20110907)	T	Solid	8260B	240-15010
240-3596-8	ASB-170_0-2(20110907)	T	Solid	8260B	240-15010
240-3596-9	ASB-170_4-6(20110907)	T	Solid	8260B	240-15010
240-3596-10	ASB-171_1-3(20110907)	T	Solid	8260B	240-15010
240-3596-11	ASB-172_1-3(20110907)	T	Solid	8260B	240-15010
240-3596-12	ASB-173_1-3(20110907)	T	Solid	8260B	240-15010

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
GC/MS Semi VOA					
Prep Batch: 240-15477					
LCS 240-15477/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-15477/18-A	Method Blank	T	Solid	3540C	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	3540C	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	3540C	
240-3596-3	ASB-167_8-10(20110906)	T	Solid	3540C	
240-3596-7	ASB-169_3-5(20110907)	T	Solid	3540C	
240-3596-7MS	Matrix Spike	T	Solid	3540C	
240-3596-7MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3596-8	ASB-170_0-2(20110907)	T	Solid	3540C	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	3540C	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	3540C	
Analysis Batch:240-15795					
LCS 240-15477/19-A	Lab Control Sample	T	Solid	8270C	240-15477
MB 240-15477/18-A	Method Blank	T	Solid	8270C	240-15477
240-3596-8	ASB-170_0-2(20110907)	T	Solid	8270C	240-15477
240-3596-9	ASB-170_4-6(20110907)	T	Solid	8270C	240-15477
Analysis Batch:240-15962					
240-3596-3	ASB-167_8-10(20110906)	T	Solid	8270C	240-15477
240-3596-10	ASB-171_1-3(20110907)	T	Solid	8270C	240-15477
Analysis Batch:240-16115					
240-3596-2	ASB-167_6-8(20110906)	T	Solid	8270C	240-15477
240-3596-7	ASB-169_3-5(20110907)	T	Solid	8270C	240-15477
240-3596-7MS	Matrix Spike	T	Solid	8270C	240-15477
240-3596-7MSD	Matrix Spike Duplicate	T	Solid	8270C	240-15477
Analysis Batch:240-16867					
240-3596-1	ASB-167_0-2(20110906)	T	Solid	8270C	240-15477

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-16655					
LCS 240-16655/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-16655/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-16655/1-A	Method Blank	T	Solid	5035	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	5035	
240-3596-1MS	Matrix Spike	T	Solid	5035	
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	5035	
240-3596-3DL	ASB-167_8-10(20110906)	T	Solid	5035	
240-3596-5	ASB-168_0-2(20110907)	T	Solid	5035	
240-3596-6	ASB-168_4-6(20110907)	T	Solid	5035	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	5035	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	5035	
240-3596-11	ASB-172_1-3(20110907)	T	Solid	5035	
240-3596-12	ASB-173_1-3(20110907)	T	Solid	5035	
Analysis Batch:240-16677					
LCS 240-16655/2-A	Lab Control Sample	T	Solid	WI-GRO	240-16655
LCSD 240-16655/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-16655
MB 240-16655/1-A	Method Blank	T	Solid	WI-GRO	240-16655
240-3596-1	ASB-167_0-2(20110906)	T	Solid	WI-GRO	240-16655
240-3596-1MS	Matrix Spike	T	Solid	WI-GRO	240-16655
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	WI-GRO	240-16655
240-3596-2	ASB-167_6-8(20110906)	T	Solid	WI-GRO	240-16655
240-3596-6	ASB-168_4-6(20110907)	T	Solid	WI-GRO	240-16655
240-3596-9	ASB-170_4-6(20110907)	T	Solid	WI-GRO	240-16655
240-3596-10	ASB-171_1-3(20110907)	T	Solid	WI-GRO	240-16655
240-3596-11	ASB-172_1-3(20110907)	T	Solid	WI-GRO	240-16655
240-3596-12	ASB-173_1-3(20110907)	T	Solid	WI-GRO	240-16655
Analysis Batch:240-17016					
240-3596-3DL	ASB-167_8-10(20110906)	T	Solid	WI-GRO	240-16655
240-3596-5	ASB-168_0-2(20110907)	T	Solid	WI-GRO	240-16655

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14784					
LCS 240-14784/18-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14784/19-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14784/20-A	Method Blank	T	Solid	WI DRO PREP	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	WI DRO PREP	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	WI DRO PREP	
240-3596-3	ASB-167_8-10(20110906)	T	Solid	WI DRO PREP	
240-3596-5	ASB-168_0-2(20110907)	T	Solid	WI DRO PREP	
240-3596-5MS	Matrix Spike	T	Solid	WI DRO PREP	
240-3596-5MSD	Matrix Spike Duplicate	T	Solid	WI DRO PREP	
240-3596-6	ASB-168_4-6(20110907)	T	Solid	WI DRO PREP	
240-3596-7	ASB-169_3-5(20110907)	T	Solid	WI DRO PREP	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	WI DRO PREP	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	WI DRO PREP	
240-3596-11	ASB-172_1-3(20110907)	T	Solid	WI DRO PREP	
240-3596-12	ASB-173_1-3(20110907)	T	Solid	WI DRO PREP	
Analysis Batch:240-15189					
LCS 240-14784/18-A	Lab Control Sample	T	Solid	WI-DRO	240-14784
LCSD 240-14784/19-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14784
MB 240-14784/20-A	Method Blank	T	Solid	WI-DRO	240-14784
240-3596-2	ASB-167_6-8(20110906)	T	Solid	WI-DRO	240-14784
Analysis Batch:240-15347					
240-3596-1	ASB-167_0-2(20110906)	T	Solid	WI-DRO	240-14784
240-3596-3	ASB-167_8-10(20110906)	T	Solid	WI-DRO	240-14784
240-3596-5	ASB-168_0-2(20110907)	T	Solid	WI-DRO	240-14784
240-3596-5MS	Matrix Spike	T	Solid	WI-DRO	240-14784
240-3596-5MSD	Matrix Spike Duplicate	T	Solid	WI-DRO	240-14784
240-3596-7	ASB-169_3-5(20110907)	T	Solid	WI-DRO	240-14784
240-3596-9	ASB-170_4-6(20110907)	T	Solid	WI-DRO	240-14784
240-3596-10	ASB-171_1-3(20110907)	T	Solid	WI-DRO	240-14784
240-3596-11	ASB-172_1-3(20110907)	T	Solid	WI-DRO	240-14784
240-3596-12	ASB-173_1-3(20110907)	T	Solid	WI-DRO	240-14784
Prep Batch: 240-15624					
LCS 240-15624/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-15624/23-A	Method Blank	T	Solid	3540C	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	3540C	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	3540C	
240-3596-3	ASB-167_8-10(20110906)	T	Solid	3540C	
240-3596-8	ASB-170_0-2(20110907)	T	Solid	3540C	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	3540C	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	3540C	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-15844					
LCS 240-15624/24-A	Lab Control Sample	T	Solid	8082	240-15624
MB 240-15624/23-A	Method Blank	T	Solid	8082	240-15624
Analysis Batch:240-15865					
240-3596-6	ASB-168_4-6(20110907)	T	Solid	WI-DRO	240-14784
Analysis Batch:240-16175					
240-3596-1	ASB-167_0-2(20110906)	T	Solid	8082	240-15624
240-3596-2	ASB-167_6-8(20110906)	T	Solid	8082	240-15624
240-3596-3	ASB-167_8-10(20110906)	T	Solid	8082	240-15624
240-3596-8	ASB-170_0-2(20110907)	T	Solid	8082	240-15624
240-3596-9	ASB-170_4-6(20110907)	T	Solid	8082	240-15624
240-3596-10	ASB-171_1-3(20110907)	T	Solid	8082	240-15624

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-15003					
LCS 240-15003/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-15003/1-A	Method Blank	T	Solid	3050B	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	3050B	
240-3596-1MS	Matrix Spike	T	Solid	3050B	
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	3050B	
240-3596-7	ASB-169_3-5(20110907)	T	Solid	3050B	
240-3596-8	ASB-170_0-2(20110907)	T	Solid	3050B	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	3050B	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	3050B	
240-3596-11	ASB-172_1-3(20110907)	T	Solid	3050B	
240-3596-12	ASB-173_1-3(20110907)	T	Solid	3050B	
Prep Batch: 240-15007					
LCS 240-15007/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-15007/1-A	Method Blank	T	Solid	7471A	
240-3596-1	ASB-167_0-2(20110906)	T	Solid	7471A	
240-3596-1MS	Matrix Spike	T	Solid	7471A	
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	7471A	
240-3596-7	ASB-169_3-5(20110907)	T	Solid	7471A	
240-3596-8	ASB-170_0-2(20110907)	T	Solid	7471A	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	7471A	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	7471A	
240-3596-11	ASB-172_1-3(20110907)	T	Solid	7471A	
240-3596-12	ASB-173_1-3(20110907)	T	Solid	7471A	
Prep Batch: 240-15229					
LB 240-15229/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
240-3466-D-1-J MS ^5	Matrix Spike	P	Solid	1311	
240-3466-D-1-K MSD ^5	Matrix Spike Duplicate	P	Solid	1311	
240-3596-2	ASB-167_6-8(20110906)	P	Solid	1311	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-15322					
LCS 240-15007/2-A	Lab Control Sample	T	Solid	7471A	240-15007
MB 240-15007/1-A	Method Blank	T	Solid	7471A	240-15007
240-3596-1	ASB-167_0-2(20110906)	T	Solid	7471A	240-15007
240-3596-1MS	Matrix Spike	T	Solid	7471A	240-15007
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-15007
240-3596-2	ASB-167_6-8(20110906)	T	Solid	7471A	240-15007
240-3596-7	ASB-169_3-5(20110907)	T	Solid	7471A	240-15007
240-3596-8	ASB-170_0-2(20110907)	T	Solid	7471A	240-15007
240-3596-9	ASB-170_4-6(20110907)	T	Solid	7471A	240-15007
240-3596-10	ASB-171_1-3(20110907)	T	Solid	7471A	240-15007
240-3596-11	ASB-172_1-3(20110907)	T	Solid	7471A	240-15007
240-3596-12	ASB-173_1-3(20110907)	T	Solid	7471A	240-15007
Prep Batch: 240-15423					
LCS 240-15423/3-A	Lab Control Sample	T	Water	3010A	
MB 240-15423/2-A	Method Blank	T	Water	3010A	
LB 240-15229/1-C	TCLP SPLPE Leachate Blank	P	Solid	3010A	240-15229
240-3466-D-1-J MS ^5	Matrix Spike	P	Solid	3010A	240-15229
240-3466-D-1-K MSD ^5	Matrix Spike Duplicate	P	Solid	3010A	240-15229
240-3596-2	ASB-167_6-8(20110906)	P	Solid	3010A	240-15229
Analysis Batch:240-15453					
LCS 240-15003/2-A	Lab Control Sample	T	Solid	6010B	240-15003
MB 240-15003/1-A	Method Blank	T	Solid	6010B	240-15003
240-3596-1	ASB-167_0-2(20110906)	T	Solid	6010B	240-15003
240-3596-1MS	Matrix Spike	T	Solid	6010B	240-15003
240-3596-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-15003
240-3596-2	ASB-167_6-8(20110906)	T	Solid	6010B	240-15003
240-3596-7	ASB-169_3-5(20110907)	T	Solid	6010B	240-15003
240-3596-8	ASB-170_0-2(20110907)	T	Solid	6010B	240-15003
240-3596-9	ASB-170_4-6(20110907)	T	Solid	6010B	240-15003
240-3596-10	ASB-171_1-3(20110907)	T	Solid	6010B	240-15003
240-3596-11	ASB-172_1-3(20110907)	T	Solid	6010B	240-15003
240-3596-12	ASB-173_1-3(20110907)	T	Solid	6010B	240-15003
Prep Batch: 240-15517					
LCS 240-15517/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-15517/1-A	Method Blank	T	Solid	3050B	
240-3596-3	ASB-167_8-10(20110906)	T	Solid	3050B	
240-3596-3MS	Matrix Spike	T	Solid	3050B	
240-3596-3MSD	Matrix Spike Duplicate	T	Solid	3050B	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-15521					
LCS 240-15521/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-15521/1-A	Method Blank	T	Solid	7471A	
240-3596-3	ASB-167_8-10(20110906)	T	Solid	7471A	
240-3596-3MS	Matrix Spike	T	Solid	7471A	
240-3596-3MSD	Matrix Spike Duplicate	T	Solid	7471A	
Analysis Batch:240-15700					
LCS 240-15521/2-A	Lab Control Sample	T	Solid	7471A	240-15521
MB 240-15521/1-A	Method Blank	T	Solid	7471A	240-15521
240-3596-3	ASB-167_8-10(20110906)	T	Solid	7471A	240-15521
240-3596-3MS	Matrix Spike	T	Solid	7471A	240-15521
240-3596-3MSD	Matrix Spike Duplicate	T	Solid	7471A	240-15521
Analysis Batch:240-15786					
LB 240-15229/1-C	TCLP SPLPE Leachate Blank	P	Solid	6010B	240-15423
LCS 240-15423/3-A	Lab Control Sample	T	Water	6010B	240-15423
MB 240-15423/2-A	Method Blank	T	Water	6010B	240-15423
LCS 240-15517/2-A	Lab Control Sample	T	Solid	6010B	240-15517
MB 240-15517/1-A	Method Blank	T	Solid	6010B	240-15517
240-3466-D-1-J MS ^5	Matrix Spike	P	Solid	6010B	240-15423
240-3466-D-1-K MSD ^5	Matrix Spike Duplicate	P	Solid	6010B	240-15423
240-3596-2	ASB-167_6-8(20110906)	P	Solid	6010B	240-15423
240-3596-3	ASB-167_8-10(20110906)	T	Solid	6010B	240-15517
240-3596-3MS	Matrix Spike	T	Solid	6010B	240-15517
240-3596-3MSD	Matrix Spike Duplicate	T	Solid	6010B	240-15517
Analysis Batch:240-15958					
240-3596-3	ASB-167_8-10(20110906)	T	Solid	6010B	240-15517

Report Basis

P = TCLP

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14790					
240-3596-1	ASB-167_0-2(20110906)	T	Solid	Moisture	
240-3596-1DU	Duplicate	T	Solid	Moisture	
240-3596-2	ASB-167_6-8(20110906)	T	Solid	Moisture	
240-3596-7	ASB-169_3-5(20110907)	T	Solid	Moisture	
240-3596-8	ASB-170_0-2(20110907)	T	Solid	Moisture	
240-3596-9	ASB-170_4-6(20110907)	T	Solid	Moisture	
240-3596-10	ASB-171_1-3(20110907)	T	Solid	Moisture	
240-3596-11	ASB-172_1-3(20110907)	T	Solid	Moisture	
240-3596-12	ASB-173_1-3(20110907)	T	Solid	Moisture	
Analysis Batch:240-15723					
240-3596-3	ASB-167_8-10(20110906)	T	Solid	Moisture	
240-3885-J-4 DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3596-1	ASB-167_0-2(20110906)	75	71	62	72
240-3596-2	ASB-167_6-8(20110906)	70	70	59	69
240-3596-3	ASB-167_8-10(20110906)	79	143X	74	110
240-3596-4	MB-010(20110907)	99	92	79	95
240-3596-5	ASB-168_0-2(20110907)	75	73	62	75
240-3596-6	ASB-168_4-6(20110907)	81	73	65	76
240-3596-7	ASB-169_3-5(20110907)	77	76	62	77
240-3596-8	ASB-170_0-2(20110907)	74	70	61	72
240-3596-9	ASB-170_4-6(20110907)	68	68	57	69
240-3596-10	ASB-171_1-3(20110907)	71	65	59	70
240-3596-11	ASB-172_1-3(20110907)	72	71	59	74
240-3596-12	ASB-173_1-3(20110907)	75	70	60	72
MB 240-14890/1-A		87	85	73	86
MB 240-15010/1-A		86	83	70	85
LCS 240-14890/2-A		83	91	76	88
LCS 240-15010/2-A		84	85	76	87
240-3596-1 MS	ASB-167_0-2(20110906) MS	66	65	59	68
240-3596-1 MSD	ASB-167_0-2(20110906) MSD	68	67	60	68

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3596-1	ASB-167_0-2(20110906)	51	58	49	45	58	57
240-3596-2	ASB-167_6-8(20110906)	51	56	52	53	58	63
240-3596-3	ASB-167_8-10(20110906)	61	55	68	0X	62	65
240-3596-7	ASB-169_3-5(20110907)	57	59	46	54	59	71
240-3596-8	ASB-170_0-2(20110907)	72	77	56	64	65	86
240-3596-9	ASB-170_4-6(20110907)	59	71	57	55	59	86
240-3596-10	ASB-171_1-3(20110907)	59	65	65	59	68	73
MB 240-15477/18-A		72	78	71	77	80	94
LCS 240-15477/19-A		80	89	88	88	87	95
240-3596-7 MS	ASB-169_3-5(20110907) MS	57	63	44	62	70	72
240-3596-7 MSD	ASB-169_3-5(20110907) MSD	48	53	50	50	51	66

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-3596-1	ASB-167_0-2(20110906)		71		66
240-3596-2	ASB-167_6-8(20110906)		81		62
240-3596-3	ASB-167_8-10(20110906)		60		58
240-3596-8	ASB-170_0-2(20110907)		78		182X
240-3596-9	ASB-170_4-6(20110907)		80		49
240-3596-10	ASB-171_1-3(20110907)		85		75
MB 240-15624/23-A		85		61	
LCS 240-15624/24-A		117		73	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	11.0	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	73	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	400	80	27 - 121	
1,1,1-Trichloroethane	500	402	80	38 - 122	
1,1,2,2-Tetrachloroethane	500	545	109	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	444	89	48 - 151	
1,1,2-Trichloroethane	500	545	109	74 - 114	
1,1-Dichloroethane	500	449	90	63 - 117	
1,1-Dichloroethene	500	450	90	44 - 143	
1,1-Dichloropropene	500	476	95	60 - 123	
1,2,3-Trichlorobenzene	500	417	83	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	405	81	41 - 135	
1,2,4-Trimethylbenzene	500	500	100	62 - 133	
1,2-Dibromo-3-Chloropropane	500	408	82	10 - 129	J
1,2-Dibromoethane	500	510	102	47 - 123	
1,2-Dichlorobenzene	500	469	94	68 - 118	
1,2-Dichloroethane	500	464	93	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	486	97	60 - 130	
1,3-Dichlorobenzene	500	488	98	66 - 121	
1,3-Dichloropropane	500	530	106	74 - 119	
1,4-Dichlorobenzene	500	475	95	65 - 119	
2,2-Dichloropropane	500	382	76	25 - 123	
2-Butanone (MEK)	1000	1190	119	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1260	126	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1150	115	49 - 121	
Acetone	1000	730	73	16 - 156	J
Benzene	500	490	98	70 - 117	
Bromobenzene	500	510	102	72 - 120	
Bromochloromethane	500	463	93	56 - 128	
Bromodichloromethane	500	380	76	28 - 123	
Bromoform	500	469	94	10 - 117	
Bromomethane	500	288	58	10 - 114	
Carbon disulfide	500	306	61	10 - 132	
Carbon tetrachloride	500	374	75	29 - 118	
Chlorobenzene	500	486	97	71 - 116	
Chloroethane	500	372	74	10 - 120	
Chloroform	500	454	91	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	460	92	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	411	82	25 - 120	
Cyclohexane	500	453	91	40 - 120	J
Chlorodibromomethane	500	379	76	22 - 113	
Dibromomethane	500	510	102	68 - 118	
Dichlorodifluoromethane	500	283	57	10 - 110	
Ethyl ether	500	411	82	70 - 130	J
Ethylbenzene	500	484	97	66 - 119	
Hexachlorobutadiene	500	418	84	34 - 135	
Isopropylbenzene	500	461	92	61 - 123	
Methyl acetate	500	510	102	44 - 173	
Methyl tert butyl ether	500	486	97	34 - 157	J
Methylcyclohexane	500	471	94	41 - 133	J
Methylene Chloride	500	397	79	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	448	90	37 - 126	
n-Butylbenzene	500	478	96	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	481	96	68 - 120	
p-Isopropyltoluene	500	489	98	56 - 136	
sec-Butylbenzene	500	486	97	58 - 131	
Styrene	500	439	88	60 - 120	
tert-Butylbenzene	500	498	100	58 - 128	
Tetrachloroethene	500	510	102	58 - 131	
Tetrahydrofuran	500	545	109	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	436	87	22 - 122	
Trichloroethene	500	478	96	59 - 124	
Trichlorofluoromethane	500	313	63	17 - 145	
Vinyl chloride	500	390	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	39 - 128
4-Bromofluorobenzene (Surr)	91	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	88	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15010 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-15010/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140859.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1310	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15010

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-15010/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140859.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1310	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	12.3	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	39 - 128
4-Bromofluorobenzene (Surr)	83	26 - 141
Dibromofluoromethane (Surr)	70	30 - 122
Toluene-d8 (Surr)	85	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-15010

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15010/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140858.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1249	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	421	84	27 - 121	
1,1,1-Trichloroethane	500	413	83	38 - 122	
1,1,2,2-Tetrachloroethane	500	555	111	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	464	93	48 - 151	
1,1,2-Trichloroethane	500	535	107	74 - 114	
1,1-Dichloroethane	500	451	90	63 - 117	
1,1-Dichloroethene	500	461	92	44 - 143	
1,1-Dichloropropene	500	464	93	60 - 123	
1,2,3-Trichlorobenzene	500	450	90	43 - 129	
1,2,3-Trichloropropane	500	565	113	74 - 124	
1,2,4-Trichlorobenzene	500	429	86	41 - 135	
1,2,4-Trimethylbenzene	500	493	99	62 - 133	
1,2-Dibromo-3-Chloropropane	500	404	81	10 - 129	J
1,2-Dibromoethane	500	530	106	47 - 123	
1,2-Dichlorobenzene	500	495	99	68 - 118	
1,2-Dichloroethane	500	473	95	68 - 119	
1,2-Dichloropropane	500	500	100	73 - 113	
1,3,5-Trimethylbenzene	500	482	96	60 - 130	
1,3-Dichlorobenzene	500	485	97	66 - 121	
1,3-Dichloropropane	500	540	108	74 - 119	
1,4-Dichlorobenzene	500	472	94	65 - 119	
2,2-Dichloropropane	500	385	77	25 - 123	
2-Butanone (MEK)	1000	1170	117	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1240	124	43 - 130	
4-Chlorotoluene	500	515	103	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1180	118	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	494	99	70 - 117	
Bromobenzene	500	515	103	72 - 120	
Bromochloromethane	500	466	93	56 - 128	
Bromodichloromethane	500	393	79	28 - 123	
Bromoform	500	476	95	10 - 117	
Bromomethane	500	298	60	10 - 114	
Carbon disulfide	500	304	61	10 - 132	
Carbon tetrachloride	500	373	75	29 - 118	
Chlorobenzene	500	481	96	71 - 116	
Chloroethane	500	405	81	10 - 120	
Chloroform	500	465	93	63 - 116	
Chloromethane	500	365	73	25 - 110	
cis-1,2-Dichloroethene	500	459	92	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-15010

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15010/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140858.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 1249	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	393	79	25 - 120	
Cyclohexane	500	447	89	40 - 120	J
Chlorodibromomethane	500	369	74	22 - 113	
Dibromomethane	500	520	104	68 - 118	
Dichlorodifluoromethane	500	272	54	10 - 110	
Ethyl ether	500	425	85	70 - 130	J
Ethylbenzene	500	485	97	66 - 119	
Hexachlorobutadiene	500	420	84	34 - 135	
Isopropylbenzene	500	476	95	61 - 123	
Methyl acetate	500	535	107	44 - 173	
Methyl tert butyl ether	500	515	103	34 - 157	J
Methylcyclohexane	500	453	91	41 - 133	J
Methylene Chloride	500	399	80	27 - 172	
m-Xylene & p-Xylene	1000	965	97	67 - 118	
Naphthalene	500	468	94	37 - 126	
n-Butylbenzene	500	475	95	51 - 137	
N-Propylbenzene	500	525	105	64 - 130	
o-Xylene	500	489	98	68 - 120	
p-Isopropyltoluene	500	470	94	56 - 136	
sec-Butylbenzene	500	476	95	58 - 131	
Styrene	500	452	90	60 - 120	
tert-Butylbenzene	500	475	95	58 - 128	
Tetrachloroethene	500	492	98	58 - 131	
Tetrahydrofuran	500	570	114	70 - 130	J
Toluene	500	510	102	66 - 123	
trans-1,2-Dichloroethene	500	441	88	58 - 121	
trans-1,3-Dichloropropene	500	423	85	22 - 122	
Trichloroethene	500	493	99	59 - 124	
Trichlorofluoromethane	500	319	64	17 - 145	
Vinyl chloride	500	391	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	87	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15010

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3596-1	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140878.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.206 g
Analysis Date:	09/13/2011 1956			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-1	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140879.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.351 g
Analysis Date:	09/13/2011 2018			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	66	68	19 - 124	1	30		
1,1,1-Trichloroethane	63	63	10 - 159	2	30		
1,1,2,2-Tetrachloroethane	103	103	16 - 158	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	67	68	23 - 168	1	30		
1,1,2-Trichloroethane	101	97	34 - 152	6	30		
1,1-Dichloroethane	72	74	18 - 160	1	30		
1,1-Dichloroethene	69	69	10 - 179	1	30		
1,1-Dichloropropene	75	74	42 - 126	2	30		
1,2,3-Trichlorobenzene	68	69	10 - 123	1	30		
1,2,3-Trichloropropane	96	91	54 - 142	7	30		
1,2,4-Trichlorobenzene	63	64	10 - 136	1	30		
1,2,4-Trimethylbenzene	81	84	10 - 199	2	30		
1,2-Dibromo-3-Chloropropane	64	66	10 - 137	1	30	J	J
1,2-Dibromoethane	83	81	32 - 127	4	30		
1,2-Dichlorobenzene	76	78	27 - 126	1	30		
1,2-Dichloroethane	79	77	25 - 150	3	30		
1,2-Dichloropropane	84	84	58 - 118	1	30		
1,3,5-Trimethylbenzene	80	80	10 - 173	1	30		
1,3-Dichlorobenzene	75	77	29 - 124	1	30		
1,3-Dichloropropane	89	89	58 - 117	2	30		
1,4-Dichlorobenzene	73	75	30 - 123	2	30		
2,2-Dichloropropane	55	57	26 - 127	1	30		
2-Butanone (MEK)	101	103	10 - 172	1	30	J	
2-Chlorotoluene	79	81	51 - 118	1	30		
2-Hexanone	90	93	21 - 141	2	30	J	J
4-Chlorotoluene	82	80	43 - 120	4	30		
4-Methyl-2-pentanone (MIBK)	88	87	19 - 151	3	30	J	J
Acetone	67	59	10 - 142	14	30	J	J
Benzene	81	82	10 - 199	1	30		
Bromobenzene	82	82	49 - 119	2	30		
Bromochloromethane	77	75	42 - 123	4	30		
Bromodichloromethane	64	65	18 - 133	0	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15010

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3596-1	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140878.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.206 g
Analysis Date:	09/13/2011 1956			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-1	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140879.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.351 g
Analysis Date:	09/13/2011 2018			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromoform	80	85	10 - 147	4	30		
Bromomethane	46	48	10 - 151	3	30	J	J
Carbon disulfide	46	45	10 - 155	4	30	J	J
Carbon tetrachloride	57	55	12 - 135	5	30		
Chlorobenzene	80	78	47 - 118	3	30		
Chloroethane	70	64	10 - 168	11	30		
Chloroform	75	75	51 - 120	1	30		
Chloromethane	55	54	16 - 115	2	30		
cis-1,2-Dichloroethene	74	75	34 - 137	0	30		
cis-1,3-Dichloropropene	64	63	19 - 121	2	30		
Cyclohexane	69	69	10 - 154	1	30	J	J
Chlorodibromomethane	60	60	10 - 128	2	30		
Dibromomethane	81	83	45 - 121	2	30		
Dichlorodifluoromethane	29	30	10 - 113	0	30	J	J
Ethyl ether	73	73	70 - 130	2	30	J	J
Ethylbenzene	77	81	27 - 143	3	30		
Hexachlorobutadiene	70	66	10 - 134	7	30		
Isopropylbenzene	77	80	39 - 126	2	30		
Methyl acetate	127	117	10 - 175	8	30		
Methyl tert butyl ether	80	80	26 - 159	1	30	J	J
Methylcyclohexane	79	85	11 - 156	5	30	J	J
Methylene Chloride	62	65	10 - 148	3	30		
m-Xylene & p-Xylene	79	79	14 - 151	1	30		
Naphthalene	87	91	10 - 199	2	30		
n-Butylbenzene	75	76	13 - 154	0	30		
N-Propylbenzene	83	83	41 - 135	2	30		
o-Xylene	81	83	18 - 151	1	30		
p-Isopropyltoluene	76	76	33 - 139	0	30		
sec-Butylbenzene	77	79	41 - 133	1	30		
Styrene	72	74	31 - 137	1	30		
tert-Butylbenzene	81	84	45 - 132	3	30		
Tetrachloroethene	78	77	19 - 153	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15010

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3596-1	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140878.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.206 g
Analysis Date:	09/13/2011 1956			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-1	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15010	Lab File ID:	140879.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.351 g
Analysis Date:	09/13/2011 2018			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1216				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	83	90	70 - 130	7	30	J	J
Toluene	84	86	10 - 168	0	30		
trans-1,2-Dichloroethene	70	68	40 - 126	4	30		
trans-1,3-Dichloropropene	65	66	10 - 136	1	30		
Trichloroethene	77	78	10 - 193	1	30		
Trichlorofluoromethane	50	47	10 - 157	9	30	J	J
Vinyl chloride	57	57	15 - 123	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	66	68	39 - 128
4-Bromofluorobenzene (Surr)	65	67	26 - 141
Dibromofluoromethane (Surr)	59	60	30 - 122
Toluene-d8 (Surr)	68	68	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15477

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-15477/18-A	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0919004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/19/2011 1104	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15477

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-15477/18-A	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0919004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/19/2011 1104	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	72	34 - 110
2-Fluorophenol (Surr)	78	26 - 110
2,4,6-Tribromophenol (Surr)	71	10 - 118
Nitrobenzene-d5 (Surr)	77	24 - 112
Phenol-d5 (Surr)	80	28 - 110
Terphenyl-d14 (Surr)	94	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-15477

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-15477/19-A	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0919005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/19/2011 1122	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	546	82	50 - 130	
2,2'-oxybis[1-chloropropane]	667	649	97	36 - 116	
2,4,5-Trichlorophenol	667	595	89	42 - 110	
2,4,6-Trichlorophenol	667	583	87	37 - 110	
2,4-Dichlorophenol	667	561	84	40 - 110	
2,4-Dimethylphenol	667	433	65	28 - 110	
2,4-Dinitrophenol	667	409	61	10 - 110	J
2,4-Dinitrotoluene	667	673	101	55 - 116	
2,6-Dinitrotoluene	667	680	102	54 - 115	
2-Chloronaphthalene	667	551	83	46 - 110	
2-Chlorophenol	667	551	83	39 - 110	
2-Methylnaphthalene	667	579	87	46 - 110	
2-Methylphenol	667	613	92	36 - 110	
2-Nitroaniline	667	667	100	47 - 124	J
2-Nitrophenol	667	578	87	35 - 110	
3,3'-Dichlorobenzidine	667	429	64	31 - 110	J
3-Nitroaniline	667	573	86	44 - 110	J
4,6-Dinitro-2-methylphenol	667	524	79	21 - 110	J
4-Bromophenyl phenyl ether	667	577	87	53 - 112	
4-Chloro-3-methylphenol	667	605	91	42 - 110	
4-Chloroaniline	667	459	69	25 - 110	
4-Chlorophenyl phenyl ether	667	578	87	53 - 110	
4-Nitroaniline	667	628	94	50 - 110	J
4-Nitrophenol	667	687	103	24 - 117	J
Acenaphthene	667	565	85	46 - 110	
Acenaphthylene	667	571	86	47 - 110	
Acetophenone	667	565	85	50 - 130	
Anthracene	667	599	90	56 - 111	
Atrazine	667	700	105	50 - 130	
Benzaldehyde	667	645	97	10 - 130	
Benzo[a]anthracene	667	594	89	58 - 111	
Benzo[a]pyrene	667	547	82	44 - 115	
Benzo[b]fluoranthene	667	618	93	43 - 124	
Benzo[g,h,i]perylene	667	655	98	44 - 120	
Benzo[k]fluoranthene	667	594	89	38 - 122	
Bis(2-chloroethoxy)methane	667	579	87	42 - 110	
Bis(2-chloroethyl)ether	667	617	93	41 - 110	
Bis(2-ethylhexyl) phthalate	667	713	107	56 - 123	
Butyl benzyl phthalate	667	707	106	57 - 121	
Caprolactam	667	638	96	50 - 130	
Carbazole	667	606	91	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-15477

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-15477/19-A	Analysis Batch:	240-15795	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0919005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/19/2011 1122	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	578	87	56 - 111	
Dibenz(a,h)anthracene	667	655	98	45 - 122	
Dibenzofuran	667	569	85	50 - 110	
Diethyl phthalate	667	635	95	55 - 114	
Dimethyl phthalate	667	605	91	54 - 112	
Di-n-butyl phthalate	667	700	105	57 - 119	
Di-n-octyl phthalate	667	673	101	45 - 123	
Fluoranthene	667	643	96	55 - 118	
Fluorene	667	578	87	51 - 110	
Hexachlorobenzene	667	585	88	51 - 110	
Hexachlorobutadiene	667	553	83	39 - 110	
Hexachlorocyclopentadiene	667	449	67	10 - 110	J
Hexachloroethane	667	567	85	38 - 110	
Indeno[1,2,3-cd]pyrene	667	645	97	45 - 121	
Isophorone	667	604	91	46 - 117	
Naphthalene	667	541	81	42 - 110	
Nitrobenzene	667	605	91	40 - 110	
N-Nitrosodi-n-propylamine	667	610	91	40 - 114	
N-Nitrosodiphenylamine	667	564	85	54 - 112	
Pentachlorophenol	667	473	71	10 - 110	
Phenol	667	566	85	39 - 110	
Phenanthrene	667	567	85	54 - 110	
Pyrene	667	577	87	58 - 113	
3 & 4 Methylphenol	1330	1140	86	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	80	34 - 110
2-Fluorophenol (Surr)	89	26 - 110
2,4,6-Tribromophenol (Surr)	88	10 - 118
Nitrobenzene-d5 (Surr)	88	24 - 112
Phenol-d5 (Surr)	87	28 - 110
Terphenyl-d14 (Surr)	95	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15477

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3596-7	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0921032.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/21/2011 2125			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-7	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0921033.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/21/2011 2143			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	62	51	50 - 130	18	30	J	J
2,2'-oxybis[1-chloropropane]	79	59	25 - 124	30	30	J	J
2,4,5-Trichlorophenol	63	62	32 - 112	2	30	J	J
2,4,6-Trichlorophenol	NC	NC	22 - 110	NC	30		
2,4-Dichlorophenol	58	50	33 - 110	16	30	J	J
2,4-Dimethylphenol	58	48	19 - 114	18	30	J	J
2,4-Dinitrophenol	NC	NC	10 - 110	NC	30		
2,4-Dinitrotoluene	64	56	42 - 118	14	30	J	J
2,6-Dinitrotoluene	69	61	28 - 137	11	30	J	J
2-Chloronaphthalene	59	51	40 - 110	15	30	J	J
2-Chlorophenol	65	46	32 - 110	34	30	J	J F
2-Methylnaphthalene	70	57	10 - 200	21	30	J	J
2-Methylphenol	NC	NC	19 - 124	NC	30		
2-Nitroaniline	77	73	31 - 141	5	30	J	J
2-Nitrophenol	48	0	17 - 110	NC	30	J	F
3,3'-Dichlorobenzidine	38	35	10 - 110	8	30	J	J
3-Nitroaniline	66	62	24 - 110	6	30	J	J
4,6-Dinitro-2-methylphenol	NC	NC	10 - 110	NC	30		
4-Bromophenyl phenyl ether	65	60	44 - 120	8	30	J	J
4-Chloro-3-methylphenol	82	68	32 - 117	18	30	J	J
4-Chloroaniline	48	38	11 - 110	24	30	J	J
4-Chlorophenyl phenyl ether	67	63	47 - 116	6	30	J	J
4-Nitroaniline	74	65	23 - 124	12	30	J	J
4-Nitrophenol	NC	NC	10 - 125	NC	30		
Acenaphthene	74	64	10 - 200	15	30	J	J
Acenaphthylene	61	54	10 - 200	12	30	J	J
Acetophenone	64	56	50 - 130	13	30	J	J
Anthracene	78	63	10 - 200	17	30	J	J
Atrazine	78	69	50 - 130	13	30	J	J
Benzaldehyde	48	43	10 - 130	11	30	J	J
Benzo[a]anthracene	81	61	10 - 200	17	30	J	J
Benzo[a]pyrene	70	51	10 - 200	19	30	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15477

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3596-7	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0921032.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/21/2011 2125			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-7	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0921033.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/21/2011 2143			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	73	50	10 - 200	19	30	J	J
Benzo[g,h,i]perylene	75	60	10 - 200	16	30	J	J
Benzo[k]fluoranthene	76	67	10 - 200	10	30	J	J
Bis(2-chloroethoxy)methane	58	49	36 - 110	18	30	J	J
Bis(2-chloroethyl)ether	77	65	32 - 118	17	30	J	J
Bis(2-ethylhexyl) phthalate	96	90	10 - 200	8	30	J	J
Butyl benzyl phthalate	78	74	43 - 138	5	30	J	J
Caprolactam	0	0	50 - 130	NC	30	F	F
Carbazole	85	76	10 - 162	12	30	J	J
Chrysene	79	51	10 - 200	24	30	J	J
Dibenz(a,h)anthracene	78	68	10 - 200	13	30	J	J
Dibenzofuran	71	64	10 - 200	11	30	J	J
Diethyl phthalate	75	67	48 - 118	11	30	J	J
Dimethyl phthalate	68	62	47 - 116	9	30	J	J
Di-n-butyl phthalate	78	73	31 - 145	7	30	J	J
Di-n-octyl phthalate	106	103	10 - 182	3	30	J	J
Fluoranthene	124	58	10 - 200	30	30	J	J
Fluorene	72	62	10 - 187	14	30	J	J
Hexachlorobenzene	65	61	37 - 122	6	30	J	J
Hexachlorobutadiene	59	50	30 - 110	17	30	J	J
Hexachlorocyclopentadiene	0	0	10 - 110	NC	30	F	F
Hexachloroethane	52	42	13 - 110	20	30	J	J
Indeno[1,2,3-cd]pyrene	66	58	10 - 200	9	30	J	J
Isophorone	62	48	32 - 129	25	30	J	J
Naphthalene	62	49	10 - 200	23	30	J	J
Nitrobenzene	62	50	33 - 111	22	30	J	J
N-Nitrosodi-n-propylamine	73	58	30 - 121	22	30	J	J
N-Nitrosodiphenylamine	63	59	10 - 169	6	30	J	J
Pentachlorophenol	NC	NC	10 - 182	NC	30		
Phenol	72	49	10 - 144	38	30	J	J F
Phenanthrene	100	56	10 - 200	28	30	J	J
Pyrene	95	52	10 - 200	27	30	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15477

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3596-7	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0921032.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/21/2011 2125			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-7	Analysis Batch:	240-16115	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-15477	Lab File ID:	0921033.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/21/2011 2143			Final Weight/Volume:	2 mL
Prep Date:	09/15/2011 0955			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	67	50	27 - 116	28	30	J	J

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	57	48	34 - 110
2-Fluorophenol (Surr)	63	53	26 - 110
2,4,6-Tribromophenol (Surr)	44	50	10 - 118
Nitrobenzene-d5 (Surr)	62	50	24 - 112
Phenol-d5 (Surr)	70	51	28 - 110
Terphenyl-d14 (Surr)	72	66	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-16655 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-16655/1-A	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092606.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/26/2011 1312	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-16655 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-16655/2-A	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092607.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/26/2011 1353	Units:	mg/Kg	Final Weight/Volume:	11 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-16655/3-A	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092627.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/27/2011 0304	Units:	mg/Kg	Final Weight/Volume:	11 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	107	107	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16655

Method: WI-GRO
Preparation: 5035

MS Lab Sample ID:	240-3596-1	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092617.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.865 g
Analysis Date:	09/26/2011 2037			Final Weight/Volume:	12.9 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-1	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092618.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.021 g
Analysis Date:	09/26/2011 2118			Final Weight/Volume:	12.0 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	157	158	80 - 120	6	20	F	F

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15624

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-15624/23-A	Analysis Batch:	240-15844	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-15624	Lab File ID:	P1391914.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/19/2011 1420	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/16/2011 0824			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	29 - 151
DCB Decachlorobiphenyl	61	14 - 163

Lab Control Sample - Batch: 240-15624

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-15624/24-A	Analysis Batch:	240-15844	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-15624	Lab File ID:	P1391932.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/19/2011 1847	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/16/2011 0828			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	273	82	62 - 120	
Aroclor-1260	333	259	78	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	117	29 - 151
DCB Decachlorobiphenyl	73	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-14784

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14784/20-A	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/13/2011 2120	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14784

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14784/18-A	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/13/2011 2144	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14784/19-A	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/14/2011 0437	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	106	88	70 - 120	19	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14784

Method: WI-DRO
Preparation: WI DRO PREP

MS Lab Sample ID:	240-3596-5	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	28.08 g
Analysis Date:	09/14/2011 2018			Final Weight/Volume:	4 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-5	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.34 g
Analysis Date:	09/14/2011 2042			Final Weight/Volume:	5 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	-573	-587	60 - 130	30	25	J 4	J 4 F

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15003

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-15003/1-A	Analysis Batch:	240-15453	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/14/2011 1504	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	0.413	J	0.39	1.0
Barium	0.171	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	ND		16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	ND		4.9	10
Potassium	19.3	J	6.2	500
Magnesium	ND		5.1	500
Manganese	0.0807	J	0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	0.266	J	0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-15003

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-15003/2-A	Analysis Batch:	240-15453	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/14/2011 1509	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	190	95	80 - 120	
Antimony	50.0	47.7	95	80 - 120	
Barium	200	203	101	80 - 120	
Beryllium	5.00	5.10	102	80 - 120	
Calcium	5000	4890	98	80 - 120	
Cadmium	5.00	4.95	99	80 - 120	
Cobalt	50.0	48.6	97	80 - 120	
Chromium	20.0	19.7	98	80 - 120	
Copper	25.0	24.9	99	80 - 120	
Iron	100	106	106	80 - 120	
Potassium	5000	4570	91	80 - 120	
Magnesium	5000	4730	95	80 - 120	
Manganese	50.0	51.0	102	80 - 120	
Silver	5.00	4.82	96	80 - 120	
Sodium	5000	4810	96	80 - 120	
Nickel	50.0	48.4	97	80 - 120	
Vanadium	50.0	49.1	98	80 - 120	
Zinc	50.0	50.6	101	80 - 120	
Arsenic	200	190	95	80 - 120	
Lead	50.0	49.2	98	80 - 120	
Selenium	200	186	93	80 - 120	
Thallium	200	194	97	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15003

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3596-1	Analysis Batch:	240-15453	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	09/14/2011 1526			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-1	Analysis Batch:	240-15453	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15003	Lab File ID:	I50914A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	09/14/2011 1543			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1140				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	794	674	75 - 125	3	20	4	4
Antimony	100	1050	75 - 125	76	20	4	4 F
Barium	105	132	75 - 125	15	20		F
Beryllium	95	95	75 - 125	1	20		
Calcium	3	-93	75 - 125	16	20	4	4
Cadmium	189	1033	75 - 125	90	20	F	F
Cobalt	90	89	75 - 125	1	20		
Chromium	101	155	75 - 125	23	20		F
Copper	91	94	75 - 125	2	20		
Iron	-180	-5	75 - 125	1	20	4	4
Potassium	96	93	75 - 125	2	20		
Magnesium	85	36	75 - 125	20	20		F
Manganese	175	18	75 - 125	14	20	4	4
Silver	94	90	75 - 125	4	20		
Sodium	94	93	75 - 125	1	20		
Nickel	93	88	75 - 125	5	20		
Vanadium	91	89	75 - 125	1	20		
Zinc	104	115	75 - 125	4	20		
Arsenic	90	90	75 - 125	0	20		
Lead	364	-21	75 - 125	43	20	4	4 F
Selenium	89	94	75 - 125	6	20		
Thallium	89	88	75 - 125	1	20		

TCLP SPLPE Leachate Blank - Batch: 240-15423

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 240-15229/1-C	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15423	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	240-15229	Initial Weight/Volume:	50 mL
Analysis Date:	09/16/2011 1224	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/15/2011 0634				
Leach Date:	09/13/2011 1600				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0032	0.50

Method Blank - Batch: 240-15423

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 240-15423/2-A	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-15423	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/16/2011 1230	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/15/2011 0634				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0032	0.50

Lab Control Sample - Batch: 240-15423

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 240-15423/3-A	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-15423	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/16/2011 1236	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/15/2011 0634				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2.00	2.03	101	50 - 150	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15423

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	240-3466-D-1-J MS ^5	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15423	Lab File ID:	I50916A
Dilution:	5.0	Leach Batch:	240-15229	Initial Weight/Volume:	50 mL
Analysis Date:	09/16/2011 1253			Final Weight/Volume:	50 mL
Prep Date:	09/15/2011 0634				
Leach Date:	09/13/2011 1600				

MSD Lab Sample ID:	240-3466-D-1-K MSD ^5	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15423	Lab File ID:	I50916A
Dilution:	5.0	Leach Batch:	240-15229	Initial Weight/Volume:	50 mL
Analysis Date:	09/16/2011 1258			Final Weight/Volume:	50 mL
Prep Date:	09/15/2011 0634				
Leach Date:	09/13/2011 1600				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	99	98	50 - 150	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15517

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-15517/1-A	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15517	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/16/2011 1824	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1204				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	ND		0.39	1.0
Barium	ND		0.071	20
Beryllium	ND		0.043	0.50
Calcium	ND		16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	ND		4.9	10
Potassium	18.5	J	6.2	500
Magnesium	ND		5.1	500
Manganese	ND		0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Lab Control Sample - Batch: 240-15517

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-15517/2-A	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15517	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/16/2011 1830	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1204				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	176	88	80 - 120	
Antimony	50.0	44.4	89	80 - 120	
Barium	200	187	93	80 - 120	
Beryllium	5.00	4.78	96	80 - 120	
Calcium	5000	4490	90	80 - 120	
Cadmium	5.00	4.67	93	80 - 120	
Cobalt	50.0	44.9	90	80 - 120	
Chromium	20.0	18.2	91	80 - 120	
Copper	25.0	23.3	93	80 - 120	
Iron	100	91.0	91	80 - 120	
Potassium	5000	4430	89	80 - 120	
Magnesium	5000	4380	88	80 - 120	
Manganese	50.0	46.8	94	80 - 120	
Silver	5.00	4.57	91	80 - 120	
Sodium	5000	4330	87	80 - 120	
Nickel	50.0	46.8	94	80 - 120	
Vanadium	50.0	44.4	89	80 - 120	
Zinc	50.0	47.5	95	80 - 120	
Arsenic	200	178	89	80 - 120	
Lead	50.0	45.6	91	80 - 120	
Selenium	200	178	89	80 - 120	
Thallium	200	180	90	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15517

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3596-3	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15517	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	09/16/2011 1847			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1204				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-3	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15517	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	09/16/2011 1852			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1204				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	3865	3089	75 - 125	11	20	4	4
Antimony	35	33	75 - 125	7	20	F	F
Barium	100	95	75 - 125	3	20		
Beryllium	97	95	75 - 125	2	20		
Calcium	86	88	75 - 125	1	20		
Cadmium	91	89	75 - 125	3	20		
Cobalt	92	91	75 - 125	1	20		
Chromium	134	125	75 - 125	5	20	F	
Copper	101	98	75 - 125	2	20		
Iron	4000	3946	75 - 125	0	20	4	4
Potassium	129	120	75 - 125	6	20	F	
Magnesium	105	106	75 - 125	1	20		
Manganese	140	173	75 - 125	6	20	4	4
Silver	88	87	75 - 125	1	20		
Sodium	89	88	75 - 125	2	20		
Nickel	96	97	75 - 125	1	20		
Vanadium	106	96	75 - 125	7	20		
Zinc	105	105	75 - 125	0	20		
Arsenic	88	87	75 - 125	0	20		
Lead	91	101	75 - 125	9	20		
Selenium	87	86	75 - 125	1	20		
Thallium	87	86	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15007

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-15007/1-A	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/14/2011 0901	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-15007

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-15007/2-A	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/14/2011 0902	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.816	98	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15007

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3596-1	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/14/2011 0905			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-1	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15007	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/14/2011 0906			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	95	88	11 - 192	6	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Method Blank - Batch: 240-15521

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-15521/1-A	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15521	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2011 1626	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1420				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-15521

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-15521/2-A	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15521	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2011 1627	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1420				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.817	98	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15521

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3596-3	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15521	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	09/16/2011 1632			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1420				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-3	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15521	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	09/16/2011 1633			Final Weight/Volume:	100 mL
Prep Date:	09/15/2011 1420				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	107	11 - 192	6	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Duplicate - Batch: 240-14790

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3596-1	Analysis Batch:	240-14790	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/09/2011 0914	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	83	88	5	20	
Percent Moisture	17	12	32	20	F

Client: ARCADIS U.S., Inc. Job Number: 240-3596-1

Duplicate - Batch: 240-15723

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3885-J-4 DU	Analysis Batch:	240-15723	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/16/2011 1606	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	75	73	3	20	
Percent Moisture	25	27	8	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3596-1

Login Number: 3596

List Source: TestAmerica North Canton

List Number: 1

Creator: Ferrel, Matthew

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2/4.2/1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-3605-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
9/30/2011 3:10 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
09/30/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3605-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/08/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 and 4.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-163_2-4(20110906) (240-3605-2), ASB-163_4-6(20110906) (240-3605-3), ASB-165_0-2(20110906) (240-3605-4), ASB-166_2-4(20110906) (240-3605-5) and MB-009(20110907) (240-3605-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/12/2011, 09/13/2011 and 09/14/2011.

Naphthalene was detected in method blank MB 240-14890/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Naphthalene was detected in method blank MB 240-15029/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 240-3692-B-1-A MS.

Several analytes failed the recovery criteria low for the MS of sample 240-3692-1 in batch 240-15310. Several analytes failed the recovery criteria high.

For the MSD of sample 240-3692-1 in batch 240-15310, Several analytes failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Several analytes exceeded the rpd limit.

Refer to the QC report for details.

Method(s) 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14890 for these samples MB-009(20110907) (240-3605-6).

Method(s) 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 15029 for this sample ASB-162_1-3(20110906) (240-3605-1) on instrument UX14.

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: ASB-175_4-6(20110908) (240-3692-1), ASB-175_4-6(20110908) (240-3692-1 MS), ASB-175_4-6(20110908) (240-3692-1 MSD). Elevated reporting limits (RLs) are provided. This was done for batch 15029 on instrument UX14.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-163_2-4(20110906) (240-3605-2), ASB-163_4-6(20110906) (240-3605-3), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/22/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

3,3'-Dichlorobenzidine exceeded the rpd limit for the MSD of sample 240-3908-1 in batch 240-16425.

Refer to the QC report for details.

Samples ASB-165_0-2(20110906) (240-3605-4)[5X] and ASB-166_2-4(20110906) (240-3605-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-165_0-2(20110906) (240-3605-4), ASB-166_2-4(20110906) (240-3605-5). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-163_2-4(20110906) (240-3605-2), ASB-163_4-6(20110906) (240-3605-3), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/23/2011 and 09/24/2011.

Samples ASB-163_2-4(20110906) (240-3605-2)[2X] and ASB-166_2-4(20110906) (240-3605-5)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-GRO: The laboratory control sample (LCS), laboratory control sample duplicate (LCSD) and CCV for batch 16334 exceeded control limits for the following analytes: Wis GRO. These analytes were biased high in the LCS and were not detected in the associated samples. The LCS and LCSD for 14847 were reanalyzed within control limits in analytical batch 16548; therefore the data has been reported. ASB-163_4-6(20110906) (240-3605-3), ASB-165_0-2(20110906) (240-3605-4)

Method(s) WI-GRO: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14847 for these samples ASB-163_2-4(20110906) (240-3605-2), ASB-163_4-6(20110906) (240-3605-3), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5).

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/22/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-3904-1 MS), (240-3904-1 MSD).

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-162_1-3(20110906) (240-3605-1), ASB-165_0-2(20110906) (240-3605-4), ASB-166_2-4(20110906) (240-3605-5), RM/P/1-5 (240-3904-1).

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-163_2-4(20110906) (240-3605-2), ASB-163_4-6(20110906) (240-3605-3) and ASB-165_0-2(20110906) (240-3605-4) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/13/2011, 09/14/2011 and 09/20/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for the MS/MSD of sample 240-3596-5 in batch 240-15347. WI Diesel Range Organics (C10-C28) exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample ASB-165_0-2(20110906) (240-3605-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI DRO PREP: The following sample(s) was unable to be prepared and/or analyzed due to. Examples: instrument failure, broken vial, insufficient volume, etc.: 240-3605-D-5 The concentrator tube was broken during concentration of sample and sample was lost and could not be reextracted due to lack of volume.

Method(s) WI-DRO: The continuing calibration verification (CCV) for DRO recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. ASB-162_1-3(20110906) (240-3605-1)

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/15/2011.

Several analytes were detected in method blank MB 240-14983/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/14/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-162_1-3(20110906) (240-3605-1), ASB-163_2-4(20110906) (240-3605-2), ASB-163_4-6(20110906) (240-3605-3), ASB-165_0-2(20110906) (240-3605-4) and ASB-166_2-4(20110906) (240-3605-5) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/09/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3605-1	**ASB-162_1-3(20110906)**					
Carbon disulfide		54	J	290	ug/Kg	8260B
Methyl acetate		100	J	580	ug/Kg	8260B
Naphthalene		9.1	J B	290	ug/Kg	8260B
Tetrachloroethene		69	J	290	ug/Kg	8260B
Trichloroethene		16	J	290	ug/Kg	8260B
Naphthalene		9.4	J	410	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.0	J	10	mg/Kg	WI-DRO
Barium		39	B	23	mg/Kg	6010B
Chromium		20		0.58	mg/Kg	6010B
Arsenic		3.3		1.2	mg/Kg	6010B
Lead		3.1		0.35	mg/Kg	6010B
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-3605-2	**ASB-163_2-4(20110906)**					
1,2,4-Trimethylbenzene		640		280	ug/Kg	8260B
1,3,5-Trimethylbenzene		120	J	280	ug/Kg	8260B
Carbon disulfide		60	J	280	ug/Kg	8260B
Ethylbenzene		670		280	ug/Kg	8260B
Isopropylbenzene		190	J	280	ug/Kg	8260B
Methyl acetate		390	J	550	ug/Kg	8260B
Methylcyclohexane		130	J	550	ug/Kg	8260B
m-Xylene & p-Xylene		88	J	550	ug/Kg	8260B
Naphthalene		690	B	280	ug/Kg	8260B
n-Butylbenzene		600		280	ug/Kg	8260B
N-Propylbenzene		470		280	ug/Kg	8260B
p-Isopropyltoluene		110	J	280	ug/Kg	8260B
sec-Butylbenzene		170	J	280	ug/Kg	8260B
2-Methylnaphthalene		520		420	ug/Kg	8270C
Chrysene		13	J	420	ug/Kg	8270C
Fluoranthene		22	J	420	ug/Kg	8270C
Naphthalene		760		420	ug/Kg	8270C
Phenanthrene		15	J	420	ug/Kg	8270C
Pyrene		15	J	420	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		82		24	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		27		11	mg/Kg	WI-DRO
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3605-3	**ASB-163_4-6(20110906)**					
1,2,4-Trimethylbenzene		220	J	230	ug/Kg	8260B
1,3,5-Trimethylbenzene		41	J	230	ug/Kg	8260B
Carbon disulfide		43	J	230	ug/Kg	8260B
Ethylbenzene		86	J	230	ug/Kg	8260B
Isopropylbenzene		14	J	230	ug/Kg	8260B
Methyl acetate		71	J	470	ug/Kg	8260B
Methylcyclohexane		15	J	470	ug/Kg	8260B
m-Xylene & p-Xylene		210	J	470	ug/Kg	8260B
Naphthalene		83	J B	230	ug/Kg	8260B
n-Butylbenzene		39	J	230	ug/Kg	8260B
N-Propylbenzene		40	J	230	ug/Kg	8260B
o-Xylene		19	J	230	ug/Kg	8260B
p-Isopropyltoluene		8.5	J	230	ug/Kg	8260B
2-Methylnaphthalene		23	J	350	ug/Kg	8270C
Chrysene		15	J	350	ug/Kg	8270C
Fluoranthene		20	J	350	ug/Kg	8270C
Naphthalene		25	J	350	ug/Kg	8270C
Phenanthrene		21	J	350	ug/Kg	8270C
Pyrene		19	J	350	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		9.4	J	10	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		24		8.9	mg/Kg	WI-DRO
Percent Solids		95		0.10	%	Moisture
Percent Moisture		4.5		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3605-4	**ASB-165_0-2(20110906)**					
1,2,4-Trimethylbenzene		7.4	J	270	ug/Kg	8260B
Methyl acetate		86	J	540	ug/Kg	8260B
Naphthalene		27	J B	270	ug/Kg	8260B
2-Methylnaphthalene		96	J	2000	ug/Kg	8270C
Acenaphthene		210	J	2000	ug/Kg	8270C
Acenaphthylene		160	J	2000	ug/Kg	8270C
Anthracene		540	J	2000	ug/Kg	8270C
Benzo[a]anthracene		1400	J	2000	ug/Kg	8270C
Benzo[a]pyrene		1100	J	2000	ug/Kg	8270C
Benzo[b]fluoranthene		1400	J	2000	ug/Kg	8270C
Benzo[g,h,i]perylene		720	J	2000	ug/Kg	8270C
Benzo[k]fluoranthene		580	J	2000	ug/Kg	8270C
Chrysene		1300	J	2000	ug/Kg	8270C
Dibenz(a,h)anthracene		220	J	2000	ug/Kg	8270C
Dibenzofuran		120	J	2000	ug/Kg	8270C
Fluoranthene		2700		2000	ug/Kg	8270C
Fluorene		280	J	2000	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		600	J	2000	ug/Kg	8270C
Naphthalene		70	J	2000	ug/Kg	8270C
Phenanthrene		1900	J	2000	ug/Kg	8270C
Pyrene		2100		2000	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		2.2	J	11	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		100		50	mg/Kg	WI-DRO
Aluminum		2700		21	mg/Kg	6010B
Antimony		7.8		1.1	mg/Kg	6010B
Barium		120	B	21	mg/Kg	6010B
Calcium		41000	B	530	mg/Kg	6010B
Cadmium		0.62		0.21	mg/Kg	6010B
Cobalt		3.7	J	5.3	mg/Kg	6010B
Chromium		14		0.53	mg/Kg	6010B
Copper		17		2.6	mg/Kg	6010B
Iron		14000		11	mg/Kg	6010B
Potassium		500	J B	530	mg/Kg	6010B
Magnesium		5800		530	mg/Kg	6010B
Manganese		300	B	1.6	mg/Kg	6010B
Silver		0.17	J	0.53	mg/Kg	6010B
Sodium		470	J	530	mg/Kg	6010B
Nickel		9.1		4.2	mg/Kg	6010B
Vanadium		12		5.3	mg/Kg	6010B
Zinc		79		2.1	mg/Kg	6010B
Arsenic		97		1.1	mg/Kg	6010B
Lead		83		0.32	mg/Kg	6010B
Selenium		0.68		0.53	mg/Kg	6010B
Mercury		0.074	J	0.11	mg/Kg	7471A
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3605-5	**ASB-166_2-4(20110906)**					
1,2,4-Trimethylbenzene		250		250	ug/Kg	8260B
1,3,5-Trimethylbenzene		77	J	250	ug/Kg	8260B
Carbon disulfide		48	J	250	ug/Kg	8260B
Cyclohexane		62	J	500	ug/Kg	8260B
Ethylbenzene		11	J	250	ug/Kg	8260B
Isopropylbenzene		57	J	250	ug/Kg	8260B
Methyl acetate		140	J	500	ug/Kg	8260B
Methylcyclohexane		880		500	ug/Kg	8260B
m-Xylene & p-Xylene		79	J	500	ug/Kg	8260B
Naphthalene		2100	B	250	ug/Kg	8260B
N-Propylbenzene		50	J	250	ug/Kg	8260B
p-Isopropyltoluene		79	J	250	ug/Kg	8260B
sec-Butylbenzene		110	J	250	ug/Kg	8260B
2-Methylnaphthalene		440	J	1800	ug/Kg	8270C
Acenaphthene		180	J	1800	ug/Kg	8270C
Anthracene		140	J	1800	ug/Kg	8270C
Benzo[a]anthracene		210	J	1800	ug/Kg	8270C
Benzo[a]pyrene		200	J	1800	ug/Kg	8270C
Benzo[b]fluoranthene		290	J	1800	ug/Kg	8270C
Benzo[g,h,i]perylene		140	J	1800	ug/Kg	8270C
Benzo[k]fluoranthene		150	J	1800	ug/Kg	8270C
Chrysene		240	J	1800	ug/Kg	8270C
Dibenzofuran		110	J	1800	ug/Kg	8270C
Fluoranthene		420	J	1800	ug/Kg	8270C
Fluorene		150	J	1800	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		120	J	1800	ug/Kg	8270C
Naphthalene		340	J	1800	ug/Kg	8270C
Phenanthrene		610	J	1800	ug/Kg	8270C
Pyrene		360	J	1800	ug/Kg	8270C
WI Gasoline Range Organics (C6-C10)		33		22	mg/Kg	WI-GRO
Aluminum		2900		19	mg/Kg	6010B
Antimony		410		0.93	mg/Kg	6010B
Barium		360	B	19	mg/Kg	6010B
Calcium		38000	B	460	mg/Kg	6010B
Cadmium		44		0.19	mg/Kg	6010B
Cobalt		2.1	J	4.6	mg/Kg	6010B
Chromium		140		0.46	mg/Kg	6010B
Copper		20		2.3	mg/Kg	6010B
Iron		6800		9.3	mg/Kg	6010B
Potassium		340	J B	460	mg/Kg	6010B
Magnesium		3900		460	mg/Kg	6010B
Manganese		190	B	1.4	mg/Kg	6010B
Sodium		940		460	mg/Kg	6010B
Nickel		5.7		3.7	mg/Kg	6010B
Vanadium		9.6		4.6	mg/Kg	6010B
Zinc		190		1.9	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Arsenic		4.5		0.93	mg/Kg	6010B
Lead		720		0.28	mg/Kg	6010B
Selenium		14		0.46	mg/Kg	6010B
Mercury		0.062	J	0.087	mg/Kg	7471A
Percent Solids		91		0.10	%	Moisture
Percent Moisture		8.9		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Ulman, Mark	MU
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Musselman, Natalie J	NJM
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3605-1	ASB-162_1-3(20110906)	Solid	09/06/2011 0915	09/08/2011 0930
240-3605-2	ASB-163_2-4(20110906)	Solid	09/06/2011 1150	09/08/2011 0930
240-3605-3	ASB-163_4-6(20110906)	Solid	09/06/2011 1200	09/08/2011 0930
240-3605-4	ASB-165_0-2(20110906)	Solid	09/06/2011 1445	09/08/2011 0930
240-3605-5	ASB-166_2-4(20110906)	Solid	09/06/2011 1630	09/08/2011 0930
240-3605-6	MB-009(20110907)	Solid	09/07/2011 0000	09/08/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915
Client Matrix: Solid % Moisture: 19.0 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140882.D
Dilution:	1.0			Initial Weight/Volume:	10.65 g
Analysis Date:	09/13/2011 2122			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		20	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		12	290
1,2,3-Trichlorobenzene		ND		12	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.5	290
1,2,4-Trimethylbenzene		ND		5.8	290
1,2-Dibromo-3-Chloropropane		ND		58	580
1,2-Dibromoethane		ND		12	290
1,2-Dichlorobenzene		ND		10	290
1,2-Dichloroethane		ND		12	290
1,2-Dichloropropane		ND		9.5	290
1,3,5-Trimethylbenzene		ND		6.7	290
1,3-Dichlorobenzene		ND		5.6	290
1,3-Dichloropropane		ND		26	290
1,4-Dichlorobenzene		ND		9.3	290
2,2-Dichloropropane		ND		27	290
2-Butanone (MEK)		ND		50	1200
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1200
Allyl chloride		ND		61	580
4-Chlorotoluene		ND		11	290
4-Methyl-2-pentanone (MIBK)		ND		56	1200
Acetone		ND		200	1200
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		11	290
Bromoform		ND		22	290
Bromomethane		ND		34	290
Carbon disulfide		54	J	14	290
Carbon tetrachloride		ND		7.4	290
Chlorobenzene		ND		7.4	290
Chloroethane		ND		71	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		8.0	290
cis-1,3-Dichloropropene		ND		9.2	290
Cyclohexane		ND		46	580
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915
Client Matrix: Solid % Moisture: 19.0 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140882.D
Dilution:	1.0			Initial Weight/Volume:	10.65 g
Analysis Date:	09/13/2011 2122			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	290
Dichlorofluoromethane		ND		29	580
Ethyl ether		ND		17	580
Ethylbenzene		ND		6.3	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.5	290
Methyl acetate		100	J	29	580
Methyl tert butyl ether		ND		8.2	1200
Methylcyclohexane		ND		14	580
Methylene Chloride		ND		89	290
m-Xylene & p-Xylene		ND		7.2	580
Naphthalene		9.1	J B	7.8	290
n-Butylbenzene		ND		9.3	290
N-Propylbenzene		ND		16	290
o-Xylene		ND		9.9	290
p-Isopropyltoluene		ND		5.6	290
sec-Butylbenzene		ND		5.4	290
Styrene		ND		6.5	290
tert-Butylbenzene		ND		7.5	290
Tetrachloroethene		69	J	14	290
Tetrahydrofuran		ND		57	1200
Toluene		ND		20	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		16	J	11	290
Trichlorofluoromethane		ND		19	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74		39 - 128
4-Bromofluorobenzene (Surr)	70		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	74		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_2-4(20110906)**

Lab Sample ID: 240-3605-2 Date Sampled: 09/06/2011 1150
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140896.D
Dilution:	1.0			Initial Weight/Volume:	11.46 g
Analysis Date:	09/14/2011 1445			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		23	280
1,1,2,2-Tetrachloroethane		ND		9.9	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		23	280
1,2,4-Trichlorobenzene		ND		8.1	280
1,2,4-Trimethylbenzene		640		5.5	280
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.5	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.1	280
1,3,5-Trimethylbenzene		120	J	6.4	280
1,3-Dichlorobenzene		ND		5.3	280
1,3-Dichloropropane		ND		24	280
1,4-Dichlorobenzene		ND		8.9	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	550
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		14	280
Bromochloromethane		ND		14	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		60	J	13	280
Carbon tetrachloride		ND		7.1	280
Chlorobenzene		ND		7.1	280
Chloroethane		ND		68	280
Chloroform		ND		9.8	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.8	280
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_2-4(20110906)**

Lab Sample ID: 240-3605-2 Date Sampled: 09/06/2011 1150
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140896.D
Dilution:	1.0			Initial Weight/Volume:	11.46 g
Analysis Date:	09/14/2011 1445			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	550
Ethyl ether		ND		17	550
Ethylbenzene		670		6.0	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		190	J	7.2	280
Methyl acetate		390	J	28	550
Methyl tert butyl ether		ND		7.9	1100
Methylcyclohexane		130	J	13	550
Methylene Chloride		ND		85	280
m-Xylene & p-Xylene		88	J	6.9	550
Naphthalene		690	B	7.4	280
n-Butylbenzene		600		8.9	280
N-Propylbenzene		470		16	280
o-Xylene		ND		9.4	280
p-Isopropyltoluene		110	J	5.3	280
sec-Butylbenzene		170	J	5.2	280
Styrene		ND		6.2	280
tert-Butylbenzene		ND		7.2	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70		39 - 128
4-Bromofluorobenzene (Surr)	67		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	69		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_4-6(20110906)**

Lab Sample ID: 240-3605-3 Date Sampled: 09/06/2011 1200
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140897.D
Dilution:	1.0			Initial Weight/Volume:	11.22 g
Analysis Date:	09/14/2011 1506			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.5	230
1,1,1-Trichloroethane		ND		20	230
1,1,2,2-Tetrachloroethane		ND		8.3	230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		36	230
1,1,2-Trichloroethane		ND		11	230
1,1-Dichloroethane		ND		16	230
1,1-Dichloroethene		ND		17	230
1,1-Dichloropropene		ND		9.3	230
1,2,3-Trichlorobenzene		ND		9.3	230
1,2,3-Trichloropropane		ND		20	230
1,2,4-Trichlorobenzene		ND		6.8	230
1,2,4-Trimethylbenzene		220	J	4.7	230
1,2-Dibromo-3-Chloropropane		ND		47	470
1,2-Dibromoethane		ND		9.3	230
1,2-Dichlorobenzene		ND		8.0	230
1,2-Dichloroethane		ND		9.3	230
1,2-Dichloropropane		ND		7.7	230
1,3,5-Trimethylbenzene		41	J	5.4	230
1,3-Dichlorobenzene		ND		4.5	230
1,3-Dichloropropane		ND		21	230
1,4-Dichlorobenzene		ND		7.5	230
2,2-Dichloropropane		ND		21	230
2-Butanone (MEK)		ND		40	930
2-Chlorotoluene		ND		8.4	230
2-Hexanone		ND		19	930
Allyl chloride		ND		49	470
4-Chlorotoluene		ND		9.2	230
4-Methyl-2-pentanone (MIBK)		ND		45	930
Acetone		ND		160	930
Benzene		ND		11	230
Bromobenzene		ND		12	230
Bromochloromethane		ND		12	230
Bromodichloromethane		ND		9.2	230
Bromoform		ND		18	230
Bromomethane		ND		27	230
Carbon disulfide		43	J	11	230
Carbon tetrachloride		ND		6.0	230
Chlorobenzene		ND		6.0	230
Chloroethane		ND		57	230
Chloroform		ND		8.2	230
Chloromethane		ND		13	230
cis-1,2-Dichloroethene		ND		6.4	230
cis-1,3-Dichloropropene		ND		7.4	230
Cyclohexane		ND		37	470
Chlorodibromomethane		ND		11	230
Dibromomethane		ND		13	230

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_4-6(20110906)**

Lab Sample ID: 240-3605-3 Date Sampled: 09/06/2011 1200
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140897.D
Dilution:	1.0			Initial Weight/Volume:	11.22 g
Analysis Date:	09/14/2011 1506			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	230
Dichlorofluoromethane		ND		23	470
Ethyl ether		ND		14	470
Ethylbenzene		86	J	5.0	230
Hexachlorobutadiene		ND		13	230
Isopropylbenzene		14	J	6.1	230
Methyl acetate		71	J	23	470
Methyl tert butyl ether		ND		6.6	930
Methylcyclohexane		15	J	11	470
Methylene Chloride		ND		72	230
m-Xylene & p-Xylene		210	J	5.8	470
Naphthalene		83	J B	6.3	230
n-Butylbenzene		39	J	7.5	230
N-Propylbenzene		40	J	13	230
o-Xylene		19	J	7.9	230
p-Isopropyltoluene		8.5	J	4.5	230
sec-Butylbenzene		ND		4.4	230
Styrene		ND		5.2	230
tert-Butylbenzene		ND		6.1	230
Tetrachloroethene		ND		11	230
Tetrahydrofuran		ND		46	930
Toluene		ND		16	230
trans-1,2-Dichloroethene		ND		8.6	230
trans-1,3-Dichloropropene		ND		19	230
Trichloroethene		ND		9.1	230
Trichlorofluoromethane		ND		15	230
Vinyl chloride		ND		17	230

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	81		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	81		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140898.D
Dilution:	1.0			Initial Weight/Volume:	11.165 g
Analysis Date:	09/14/2011 1528			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.8	270
1,2,4-Trimethylbenzene		7.4	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.2	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.8	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.6	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.7	270
2-Hexanone		ND		21	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		65	270
Chloroform		ND		9.4	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.4	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140898.D
Dilution:	1.0			Initial Weight/Volume:	11.165 g
Analysis Date:	09/14/2011 1528			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		86	J	27	540
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		ND		6.7	540
Naphthalene		27	J B	7.2	270
n-Butylbenzene		ND		8.6	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.1	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.0	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.9	270
trans-1,3-Dichloropropene		ND		21	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74		39 - 128
4-Bromofluorobenzene (Surr)	72		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	73		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140899.D
Dilution:	1.0			Initial Weight/Volume:	10.929 g
Analysis Date:	09/14/2011 1549			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		250		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		77	J	5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		48	J	12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		62	J	40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140899.D
Dilution:	1.0			Initial Weight/Volume:	10.929 g
Analysis Date:	09/14/2011 1549			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		11	J	5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		57	J	6.5	250
Methyl acetate		140	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		880		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		79	J	6.2	500
Naphthalene		2100	B	6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		50	J	14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		79	J	4.8	250
sec-Butylbenzene		110	J	4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		39 - 128
4-Bromofluorobenzene (Surr)	76		26 - 141
Dibromofluoromethane (Surr)	66		30 - 122
Toluene-d8 (Surr)	78		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **MB-009(20110907)**

Lab Sample ID: 240-3605-6 Date Sampled: 09/07/2011 0000
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140841.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1830			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **MB-009(20110907)**

Lab Sample ID: 240-3605-6 Date Sampled: 09/07/2011 0000
Client Matrix: Solid Date Received: 09/08/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140841.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1830			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		39 - 128
4-Bromofluorobenzene (Surr)	92		26 - 141
Dibromofluoromethane (Surr)	77		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915
Client Matrix: Solid % Moisture: 19.0 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605E1A.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	09/22/2011 1739			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		4.1	410
Acenaphthene		ND		4.1	410
Acenaphthylene		ND		4.1	410
Anthracene		ND		4.1	410
Benzo[a]anthracene		ND		4.1	410
Benzo[a]pyrene		ND		4.1	410
Benzo[b]fluoranthene		ND		4.1	410
Benzo[g,h,i]perylene		ND		4.1	410
Benzo[k]fluoranthene		ND		4.1	410
Chrysene		ND		1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Fluoranthene		ND		4.1	410
Fluorene		ND		4.1	410
Indeno[1,2,3-cd]pyrene		ND		4.1	410
Naphthalene		9.4	J	4.1	410
Phenanthrene		ND		4.1	410
Pyrene		ND		4.1	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71		10 - 118
2-Fluorobiphenyl (Surr)	64		34 - 110
2-Fluorophenol (Surr)	87		26 - 110
Nitrobenzene-d5 (Surr)	64		24 - 112
Phenol-d5 (Surr)	91		28 - 110
Terphenyl-d14 (Surr)	95		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_2-4(20110906)**

Lab Sample ID: 240-3605-2 Date Sampled: 09/06/2011 1150
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605E2B.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Analysis Date:	09/22/2011 1758			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		520		4.2	420
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Anthracene		ND		4.2	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Chrysene		13	J	1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Fluoranthene		22	J	4.2	420
Fluorene		ND		4.2	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Naphthalene		760		4.2	420
Phenanthrene		15	J	4.2	420
Pyrene		15	J	4.2	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	75		10 - 118
2-Fluorobiphenyl (Surr)	65		34 - 110
2-Fluorophenol (Surr)	81		26 - 110
Nitrobenzene-d5 (Surr)	65		24 - 112
Phenol-d5 (Surr)	89		28 - 110
Terphenyl-d14 (Surr)	87		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_4-6(20110906)**

Lab Sample ID: 240-3605-3 Date Sampled: 09/06/2011 1200
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605E3A.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	09/22/2011 1817			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		23	J	3.5	350
Acenaphthene		ND		3.5	350
Acenaphthylene		ND		3.5	350
Anthracene		ND		3.5	350
Benzo[a]anthracene		ND		3.5	350
Benzo[a]pyrene		ND		3.5	350
Benzo[b]fluoranthene		ND		3.5	350
Benzo[g,h,i]perylene		ND		3.5	350
Benzo[k]fluoranthene		ND		3.5	350
Chrysene		15	J	1.2	350
Dibenz(a,h)anthracene		ND		3.5	350
Fluoranthene		20	J	3.5	350
Fluorene		ND		3.5	350
Indeno[1,2,3-cd]pyrene		ND		3.5	350
Naphthalene		25	J	3.5	350
Phenanthrene		21	J	3.5	350
Pyrene		19	J	3.5	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	73		10 - 118
2-Fluorobiphenyl (Surr)	65		34 - 110
2-Fluorophenol (Surr)	72		26 - 110
Nitrobenzene-d5 (Surr)	59		24 - 112
Phenol-d5 (Surr)	77		28 - 110
Terphenyl-d14 (Surr)	90		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605G4C.D
Dilution:	5.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 1933			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		160	2000
2,2'-oxybis[1-chloropropane]		ND		57	2000
2,4,5-Trichlorophenol		ND		150	2000
2,4,6-Trichlorophenol		ND		480	2000
2,4-Dichlorophenol		ND		120	2000
2,4-Dimethylphenol		ND		120	2000
2,4-Dinitrophenol		ND		480	9600
2,4-Dinitrotoluene		ND		160	2000
2,6-Dinitrotoluene		ND		130	2000
2-Chloronaphthalene		ND		20	2000
2-Chlorophenol		ND		160	2000
2-Methylnaphthalene		96	J	20	2000
2-Methylphenol		ND		480	2000
2-Nitroaniline		ND		55	9600
2-Nitrophenol		ND		160	2000
3,3'-Dichlorobenzidine		ND		110	9600
3-Nitroaniline		ND		96	9600
4,6-Dinitro-2-methylphenol		ND		480	9600
4-Bromophenyl phenyl ether		ND		78	2000
4-Chloro-3-methylphenol		ND		130	2000
4-Chloroaniline		ND		100	2000
4-Chlorophenyl phenyl ether		ND		78	2000
4-Nitroaniline		ND		160	9600
4-Nitrophenol		ND		480	9600
Acenaphthene		210	J	20	2000
Acenaphthylene		160	J	20	2000
Acetophenone		ND		55	2000
Anthracene		540	J	20	2000
Atrazine		ND		55	2000
Benzaldehyde		ND		72	2000
Benzo[a]anthracene		1400	J	20	2000
Benzo[a]pyrene		1100	J	20	2000
Benzo[b]fluoranthene		1400	J	20	2000
Benzo[g,h,i]perylene		720	J	20	2000
Benzo[k]fluoranthene		580	J	20	2000
Bis(2-chloroethoxy)methane		ND		130	2000
Bis(2-chloroethyl)ether		ND		12	2000
Bis(2-ethylhexyl) phthalate		ND		110	2000
Butyl benzyl phthalate		ND		60	2000
Caprolactam		ND		220	2000
Carbazole		ND		160	2000
Chrysene		1300	J	6.6	2000
Dibenz(a,h)anthracene		220	J	20	2000
Dibenzofuran		120	J	20	2000
Diethyl phthalate		ND		96	2000
Dimethyl phthalate		ND		100	2000

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605G4C.D
Dilution:	5.0			Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 1933			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		90	2000
Di-n-octyl phthalate		ND		160	2000
Fluoranthene		2700		20	2000
Fluorene		280	J	20	2000
Hexachlorobenzene		ND		13	2000
Hexachlorobutadiene		ND		160	2000
Hexachlorocyclopentadiene		ND		160	9600
Hexachloroethane		ND		54	2000
Indeno[1,2,3-cd]pyrene		600	J	20	2000
Isophorone		ND		78	2000
Naphthalene		70	J	20	2000
Nitrobenzene		ND		13	2000
N-Nitrosodi-n-propylamine		ND		160	2000
N-Nitrosodiphenylamine		ND		130	2000
Pentachlorophenol		ND		480	2000
Phenol		ND		160	2000
Phenanthrene		1900	J	20	2000
Pyrene		2100		20	2000
3 & 4 Methylphenol		ND		120	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	81		34 - 110
2-Fluorophenol (Surr)	84		26 - 110
2,4,6-Tribromophenol (Surr)	89		10 - 118
Nitrobenzene-d5 (Surr)	73		24 - 112
Phenol-d5 (Surr)	95		28 - 110
Terphenyl-d14 (Surr)	94		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605E5A.D
Dilution:	5.0			Initial Weight/Volume:	30.04 g
Analysis Date:	09/22/2011 1953			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		150	1800
2,2'-oxybis[1-chloropropane]		ND		52	1800
2,4,5-Trichlorophenol		ND		140	1800
2,4,6-Trichlorophenol		ND		440	1800
2,4-Dichlorophenol		ND		110	1800
2,4-Dimethylphenol		ND		110	1800
2,4-Dinitrophenol		ND		440	8800
2,4-Dinitrotoluene		ND		150	1800
2,6-Dinitrotoluene		ND		120	1800
2-Chloronaphthalene		ND		18	1800
2-Chlorophenol		ND		150	1800
2-Methylnaphthalene		440	J	18	1800
2-Methylphenol		ND		440	1800
2-Nitroaniline		ND		50	8800
2-Nitrophenol		ND		150	1800
3,3'-Dichlorobenzidine		ND		99	8800
3-Nitroaniline		ND		88	8800
4,6-Dinitro-2-methylphenol		ND		440	8800
4-Bromophenyl phenyl ether		ND		71	1800
4-Chloro-3-methylphenol		ND		120	1800
4-Chloroaniline		ND		93	1800
4-Chlorophenyl phenyl ether		ND		71	1800
4-Nitroaniline		ND		140	8800
4-Nitrophenol		ND		440	8800
Acenaphthene		180	J	18	1800
Acenaphthylene		ND		18	1800
Acetophenone		ND		50	1800
Anthracene		140	J	18	1800
Atrazine		ND		50	1800
Benzaldehyde		ND		66	1800
Benzo[a]anthracene		210	J	18	1800
Benzo[a]pyrene		200	J	18	1800
Benzo[b]fluoranthene		290	J	18	1800
Benzo[g,h,i]perylene		140	J	18	1800
Benzo[k]fluoranthene		150	J	18	1800
Bis(2-chloroethoxy)methane		ND		120	1800
Bis(2-chloroethyl)ether		ND		11	1800
Bis(2-ethylhexyl) phthalate		ND		100	1800
Butyl benzyl phthalate		ND		55	1800
Caprolactam		ND		200	1800
Carbazole		ND		150	1800
Chrysene		240	J	6.0	1800
Dibenz(a,h)anthracene		ND		18	1800
Dibenzofuran		110	J	18	1800
Diethyl phthalate		ND		88	1800
Dimethyl phthalate		ND		93	1800

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-15752	Lab File ID:	3605E5A.D
Dilution:	5.0			Initial Weight/Volume:	30.04 g
Analysis Date:	09/22/2011 1953			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		82	1800
Di-n-octyl phthalate		ND		150	1800
Fluoranthene		420	J	18	1800
Fluorene		150	J	18	1800
Hexachlorobenzene		ND		12	1800
Hexachlorobutadiene		ND		150	1800
Hexachlorocyclopentadiene		ND		150	8800
Hexachloroethane		ND		49	1800
Indeno[1,2,3-cd]pyrene		120	J	18	1800
Isophorone		ND		71	1800
Naphthalene		340	J	18	1800
Nitrobenzene		ND		12	1800
N-Nitrosodi-n-propylamine		ND		150	1800
N-Nitrosodiphenylamine		ND		120	1800
Pentachlorophenol		ND		440	1800
Phenol		ND		150	1800
Phenanthrene		610	J	18	1800
Pyrene		360	J	18	1800
3 & 4 Methylphenol		ND		110	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		34 - 110
2-Fluorophenol (Surr)	74		26 - 110
2,4,6-Tribromophenol (Surr)	59		10 - 118
Nitrobenzene-d5 (Surr)	62		24 - 112
Phenol-d5 (Surr)	80		28 - 110
Terphenyl-d14 (Surr)	86		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_2-4(20110906)**

Lab Sample ID: 240-3605-2 Date Sampled: 09/06/2011 1150
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16548	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092320.D
Dilution:	2.0			Initial Weight/Volume:	10.61 g
Analysis Date:	09/24/2011 0418			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		82		0.77	24

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_4-6(20110906)**

Lab Sample ID: 240-3605-3 Date Sampled: 09/06/2011 1200
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092237.D
Dilution:	1.0			Initial Weight/Volume:	11.14 g
Analysis Date:	09/23/2011 0817			Final Weight/Volume:	11.1 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		9.4	J	0.33	10

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16334	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092238.D
Dilution:	1.0			Initial Weight/Volume:	10.478 g
Analysis Date:	09/23/2011 0855			Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		2.2	J	0.37	11

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16548	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-14847	Lab File ID:	YF092321.D
Dilution:	2.0			Initial Weight/Volume:	12.108 g
Analysis Date:	09/24/2011 0456			Final Weight/Volume:	12.1 mL
Prep Date:	09/09/2011 1314			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		33		0.70	22

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915
Client Matrix: Solid % Moisture: 19.0 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15841	Initial Weight/Volume:	30.02 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	09/22/2011 0316			Injection Volume:	1 mL
Prep Date:	09/19/2011 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		17	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		29 - 151
DCB Decachlorobiphenyl	70		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15841	Initial Weight/Volume:	29.97 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	09/22/2011 0331			Injection Volume:	1 mL
Prep Date:	09/19/2011 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		20	40
Aroclor-1254		ND		20	40
Aroclor-1260		ND		20	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	55		29 - 151
DCB Decachlorobiphenyl	45		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-15841	Initial Weight/Volume:	29.93 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	09/22/2011 0346			Injection Volume:	1 mL
Prep Date:	09/19/2011 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	36
Aroclor-1221		ND		18	36
Aroclor-1232		ND		15	36
Aroclor-1242		ND		14	36
Aroclor-1248		ND		19	36
Aroclor-1254		ND		19	36
Aroclor-1260		ND		19	36

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		29 - 151
DCB Decachlorobiphenyl	57		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915
Client Matrix: Solid % Moisture: 19.0 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000028.D
Dilution:	1.0			Initial Weight/Volume:	28.39 g
Analysis Date:	09/13/2011 2321			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.0	J	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_2-4(20110906)**

Lab Sample ID: 240-3605-2 Date Sampled: 09/06/2011 1150
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000008.D
Dilution:	1.0			Initial Weight/Volume:	27.63 g
Analysis Date:	09/14/2011 1616			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		27		1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-163_4-6(20110906)**

Lab Sample ID: 240-3605-3 Date Sampled: 09/06/2011 1200
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15865	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000035.D
Dilution:	1.0			Initial Weight/Volume:	28.33 g
Analysis Date:	09/20/2011 0200			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		24		1.1	8.9

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-14784	Lab File ID:	P14F0000010.D
Dilution:	5.0			Initial Weight/Volume:	28.84 g
Analysis Date:	09/14/2011 1704			Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		100		6.2	50

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915
Client Matrix: Solid % Moisture: 19.0 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	09/15/2011 2147			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		39	B	0.082	23
Cadmium		ND		0.042	0.23
Chromium		20		0.23	0.58
Silver		ND		0.12	0.58
Arsenic		3.3		0.35	1.2
Lead		3.1		0.22	0.35
Selenium		ND		0.52	0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	09/14/2011 0935			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445
Client Matrix: Solid % Moisture: 16.5 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/15/2011 2212			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2700		10	21
Antimony		7.8		0.41	1.1
Barium		120	B	0.075	21
Beryllium		ND		0.045	0.53
Calcium		41000	B	17	530
Cadmium		0.62		0.038	0.21
Cobalt		3.7	J	0.17	5.3
Chromium		14		0.21	0.53
Copper		17		0.78	2.6
Iron		14000		5.2	11
Potassium		500	J B	6.5	530
Magnesium		5800		5.4	530
Manganese		300	B	0.078	1.6
Silver		0.17	J	0.11	0.53
Sodium		470	J	69	530
Nickel		9.1		0.28	4.2
Vanadium		12		0.13	5.3
Zinc		79		1.1	2.1
Arsenic		97		0.32	1.1
Lead		83		0.20	0.32
Selenium		0.68		0.47	0.53
Thallium		ND		0.58	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	09/14/2011 0938			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.074	J	0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630
Client Matrix: Solid % Moisture: 8.9 Date Received: 09/08/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	09/15/2011 2218			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2900		8.9	19
Antimony		410		0.36	0.93
Barium		360	B	0.066	19
Beryllium		ND		0.040	0.46
Calcium		38000	B	15	460
Cadmium		44		0.033	0.19
Cobalt		2.1	J	0.15	4.6
Chromium		140		0.19	0.46
Copper		20		0.69	2.3
Iron		6800		4.6	9.3
Potassium		340	J B	5.8	460
Magnesium		3900		4.7	460
Manganese		190	B	0.069	1.4
Silver		ND		0.093	0.46
Sodium		940		61	460
Nickel		5.7		0.25	3.7
Vanadium		9.6		0.11	4.6
Zinc		190		0.93	1.9
Arsenic		4.5		0.28	0.93
Lead		720		0.18	0.28
Selenium		14		0.42	0.46
Thallium		ND		0.51	0.93

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.76 g
Analysis Date:	09/14/2011 0940			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.062	J	0.013	0.087

General Chemistry

Client Sample ID: **ASB-162_1-3(20110906)**

Lab Sample ID: 240-3605-1 Date Sampled: 09/06/2011 0915

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-163_2-4(20110906)**

Lab Sample ID: 240-3605-2 Date Sampled: 09/06/2011 1150

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-163_4-6(20110906)**

Lab Sample ID: 240-3605-3 Date Sampled: 09/06/2011 1200

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N
Percent Moisture	4.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-165_0-2(20110906)**

Lab Sample ID: 240-3605-4 Date Sampled: 09/06/2011 1445

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-166_2-4(20110906)**

Lab Sample ID: 240-3605-5 Date Sampled: 09/06/2011 1630

Client Matrix: Solid Date Received: 09/08/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N
Percent Moisture	8.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14790	Analysis Date: 09/09/2011 0931						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14890					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14890/1-A	Method Blank	T	Solid	5035	
240-3605-6	MB-009(20110907)	T	Solid	5035	
Analysis Batch:240-14988					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	8260B	240-14890
MB 240-14890/1-A	Method Blank	T	Solid	8260B	240-14890
240-3605-6	MB-009(20110907)	T	Solid	8260B	240-14890
Prep Batch: 240-15029					
LCS 240-15029/2-A	Lab Control Sample	T	Solid	5035	
MB 240-15029/1-A	Method Blank	T	Solid	5035	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	5035	
240-3605-2	ASB-163_2-4(20110906)	T	Solid	5035	
240-3605-3	ASB-163_4-6(20110906)	T	Solid	5035	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	5035	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	5035	
240-3692-B-1-A MS	Matrix Spike	T	Solid	5035	
240-3692-C-1-A MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:240-15148					
LCS 240-15029/2-A	Lab Control Sample	T	Solid	8260B	240-15029
MB 240-15029/1-A	Method Blank	T	Solid	8260B	240-15029
240-3605-1	ASB-162_1-3(20110906)	T	Solid	8260B	240-15029
Analysis Batch:240-15310					
240-3605-2	ASB-163_2-4(20110906)	T	Solid	8260B	240-15029
240-3605-3	ASB-163_4-6(20110906)	T	Solid	8260B	240-15029
240-3605-4	ASB-165_0-2(20110906)	T	Solid	8260B	240-15029
240-3605-5	ASB-166_2-4(20110906)	T	Solid	8260B	240-15029
240-3692-B-1-A MS	Matrix Spike	T	Solid	8260B	240-15029
240-3692-C-1-A MSD	Matrix Spike Duplicate	T	Solid	8260B	240-15029

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-15752					
LCS 240-15752/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-15752/23-A	Method Blank	T	Solid	3540C	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	3540C	
240-3605-2	ASB-163_2-4(20110906)	T	Solid	3540C	
240-3605-3	ASB-163_4-6(20110906)	T	Solid	3540C	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	3540C	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	3540C	
240-3908-B-1-B MS	Matrix Spike	T	Solid	3540C	
240-3908-B-1-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-16425					
LCS 240-15752/24-A	Lab Control Sample	T	Solid	8270C	240-15752
MB 240-15752/23-A	Method Blank	T	Solid	8270C	240-15752
240-3605-1	ASB-162_1-3(20110906)	T	Solid	8270C	240-15752
240-3605-2	ASB-163_2-4(20110906)	T	Solid	8270C	240-15752
240-3605-3	ASB-163_4-6(20110906)	T	Solid	8270C	240-15752
240-3605-4	ASB-165_0-2(20110906)	T	Solid	8270C	240-15752
240-3605-5	ASB-166_2-4(20110906)	T	Solid	8270C	240-15752
240-3908-B-1-B MS	Matrix Spike	T	Solid	8270C	240-15752
240-3908-B-1-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-15752

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-14847					
LCS 240-14847/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-14847/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-14847/1-A	Method Blank	T	Solid	5035	
240-3605-2	ASB-163_2-4(20110906)	T	Solid	5035	
240-3605-3	ASB-163_4-6(20110906)	T	Solid	5035	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	5035	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	5035	
Analysis Batch:240-16334					
MB 240-14847/1-A	Method Blank	T	Solid	WI-GRO	240-14847
240-3605-3	ASB-163_4-6(20110906)	T	Solid	WI-GRO	240-14847
240-3605-4	ASB-165_0-2(20110906)	T	Solid	WI-GRO	240-14847
Analysis Batch:240-16548					
LCS 240-14847/2-A	Lab Control Sample	T	Solid	WI-GRO	240-14847
LCSD 240-14847/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-14847
240-3605-2	ASB-163_2-4(20110906)	T	Solid	WI-GRO	240-14847
240-3605-5	ASB-166_2-4(20110906)	T	Solid	WI-GRO	240-14847

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14784					
LCS 240-14784/18-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14784/19-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14784/20-A	Method Blank	T	Solid	WI DRO PREP	
240-3596-E-5-A MS	Matrix Spike	T	Solid	WI DRO PREP	
240-3596-D-5-A MSD	Matrix Spike Duplicate	T	Solid	WI DRO PREP	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	WI DRO PREP	
240-3605-2	ASB-163_2-4(20110906)	T	Solid	WI DRO PREP	
240-3605-3	ASB-163_4-6(20110906)	T	Solid	WI DRO PREP	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	WI DRO PREP	
Analysis Batch:240-15189					
LCS 240-14784/18-A	Lab Control Sample	T	Solid	WI-DRO	240-14784
LCSD 240-14784/19-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14784
MB 240-14784/20-A	Method Blank	T	Solid	WI-DRO	240-14784
240-3605-1	ASB-162_1-3(20110906)	T	Solid	WI-DRO	240-14784
Analysis Batch:240-15347					
240-3596-E-5-A MS	Matrix Spike	T	Solid	WI-DRO	240-14784
240-3596-D-5-A MSD	Matrix Spike Duplicate	T	Solid	WI-DRO	240-14784
240-3605-2	ASB-163_2-4(20110906)	T	Solid	WI-DRO	240-14784
240-3605-4	ASB-165_0-2(20110906)	T	Solid	WI-DRO	240-14784
Prep Batch: 240-15841					
LCS 240-15841/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-15841/23-A	Method Blank	T	Solid	3540C	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	3540C	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	3540C	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	3540C	
240-3904-C-1-E MS	Matrix Spike	T	Solid	3540C	
240-3904-C-1-F MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-15865					
240-3605-3	ASB-163_4-6(20110906)	T	Solid	WI-DRO	240-14784
Analysis Batch:240-16175					
LCS 240-15841/24-A	Lab Control Sample	T	Solid	8082	240-15841
MB 240-15841/23-A	Method Blank	T	Solid	8082	240-15841
240-3605-1	ASB-162_1-3(20110906)	T	Solid	8082	240-15841
240-3605-4	ASB-165_0-2(20110906)	T	Solid	8082	240-15841
240-3605-5	ASB-166_2-4(20110906)	T	Solid	8082	240-15841
240-3904-C-1-E MS	Matrix Spike	T	Solid	8082	240-15841
240-3904-C-1-F MSD	Matrix Spike Duplicate	T	Solid	8082	240-15841

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
Metals					
Prep Batch: 240-14983					
LCS 240-14983/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-14983/1-A	Method Blank	T	Solid	3050B	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	3050B	
240-3605-1MS	Matrix Spike	T	Solid	3050B	
240-3605-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	3050B	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	3050B	
Prep Batch: 240-14992					
LCS 240-14992/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-14992/1-A	Method Blank	T	Solid	7471A	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	7471A	
240-3605-1MS	Matrix Spike	T	Solid	7471A	
240-3605-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	7471A	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	7471A	
Analysis Batch:240-15322					
LCS 240-14992/2-A	Lab Control Sample	T	Solid	7471A	240-14992
MB 240-14992/1-A	Method Blank	T	Solid	7471A	240-14992
240-3605-1	ASB-162_1-3(20110906)	T	Solid	7471A	240-14992
240-3605-1MS	Matrix Spike	T	Solid	7471A	240-14992
240-3605-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-14992
240-3605-4	ASB-165_0-2(20110906)	T	Solid	7471A	240-14992
240-3605-5	ASB-166_2-4(20110906)	T	Solid	7471A	240-14992
Analysis Batch:240-15613					
LCS 240-14983/2-A	Lab Control Sample	T	Solid	6010B	240-14983
MB 240-14983/1-A	Method Blank	T	Solid	6010B	240-14983
240-3605-1	ASB-162_1-3(20110906)	T	Solid	6010B	240-14983
240-3605-1MS	Matrix Spike	T	Solid	6010B	240-14983
240-3605-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-14983
240-3605-4	ASB-165_0-2(20110906)	T	Solid	6010B	240-14983
240-3605-5	ASB-166_2-4(20110906)	T	Solid	6010B	240-14983

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-14790					
240-3588-A-10 DU	Duplicate	T	Solid	Moisture	
240-3605-1	ASB-162_1-3(20110906)	T	Solid	Moisture	
240-3605-2	ASB-163_2-4(20110906)	T	Solid	Moisture	
240-3605-3	ASB-163_4-6(20110906)	T	Solid	Moisture	
240-3605-4	ASB-165_0-2(20110906)	T	Solid	Moisture	
240-3605-5	ASB-166_2-4(20110906)	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3605-1	ASB-162_1-3(20110906)	74	70	61	74
240-3605-2	ASB-163_2-4(20110906)	70	67	61	69
240-3605-3	ASB-163_4-6(20110906)	81	81	69	81
240-3605-4	ASB-165_0-2(20110906)	74	72	62	73
240-3605-5	ASB-166_2-4(20110906)	77	76	66	78
240-3605-6	MB-009(20110907)	98	92	77	93
MB 240-14890/1-A		87	85	73	86
MB 240-15029/1-A		86	85	70	85
LCS 240-14890/2-A		83	91	76	88
LCS 240-15029/2-A		87	86	76	86
240-3692-B-1-A MS		77	142X	67	92
240-3692-C-1-A MSD		77	131	65	87

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3605-4	ASB-165_0-2(20110906)	81	84	89	73	95	94
240-3605-5	ASB-166_2-4(20110906)	66	74	59	62	80	86
MB 240-15752/23-A		76	90	77	75	87	95
LCS 240-15752/24-A		62	67	77	61	66	95
240-3908-B-1-B MS		56	69	63	56	72	92
240-3908-B-1-C MSD		63	73	65	65	71	91

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3605-1	ASB-162_1-3(20110906)	71	64	87	64	91	95
240-3605-2	ASB-163_2-4(20110906)	75	65	81	65	89	87
240-3605-3	ASB-163_4-6(20110906)	73	65	72	59	77	90

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
240-3605-1	ASB-162_1-3(20110906)	62	70
240-3605-4	ASB-165_0-2(20110906)	55	45
240-3605-5	ASB-166_2-4(20110906)	67	57
MB 240-15841/23-A		77	63
LCS 240-15841/24-A		66	50
240-3904-C-1-E MS		64	41
240-3904-C-1-F MSD		81	55

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	11.0	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	73	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	400	80	27 - 121	
1,1,1-Trichloroethane	500	402	80	38 - 122	
1,1,2,2-Tetrachloroethane	500	545	109	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	444	89	48 - 151	
1,1,2-Trichloroethane	500	545	109	74 - 114	
1,1-Dichloroethane	500	449	90	63 - 117	
1,1-Dichloroethene	500	450	90	44 - 143	
1,1-Dichloropropene	500	476	95	60 - 123	
1,2,3-Trichlorobenzene	500	417	83	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	405	81	41 - 135	
1,2,4-Trimethylbenzene	500	500	100	62 - 133	
1,2-Dibromo-3-Chloropropane	500	408	82	10 - 129	J
1,2-Dibromoethane	500	510	102	47 - 123	
1,2-Dichlorobenzene	500	469	94	68 - 118	
1,2-Dichloroethane	500	464	93	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	486	97	60 - 130	
1,3-Dichlorobenzene	500	488	98	66 - 121	
1,3-Dichloropropane	500	530	106	74 - 119	
1,4-Dichlorobenzene	500	475	95	65 - 119	
2,2-Dichloropropane	500	382	76	25 - 123	
2-Butanone (MEK)	1000	1190	119	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1260	126	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1150	115	49 - 121	
Acetone	1000	730	73	16 - 156	J
Benzene	500	490	98	70 - 117	
Bromobenzene	500	510	102	72 - 120	
Bromochloromethane	500	463	93	56 - 128	
Bromodichloromethane	500	380	76	28 - 123	
Bromoform	500	469	94	10 - 117	
Bromomethane	500	288	58	10 - 114	
Carbon disulfide	500	306	61	10 - 132	
Carbon tetrachloride	500	374	75	29 - 118	
Chlorobenzene	500	486	97	71 - 116	
Chloroethane	500	372	74	10 - 120	
Chloroform	500	454	91	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	460	92	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	411	82	25 - 120	
Cyclohexane	500	453	91	40 - 120	J
Chlorodibromomethane	500	379	76	22 - 113	
Dibromomethane	500	510	102	68 - 118	
Dichlorodifluoromethane	500	283	57	10 - 110	
Ethyl ether	500	411	82	70 - 130	J
Ethylbenzene	500	484	97	66 - 119	
Hexachlorobutadiene	500	418	84	34 - 135	
Isopropylbenzene	500	461	92	61 - 123	
Methyl acetate	500	510	102	44 - 173	
Methyl tert butyl ether	500	486	97	34 - 157	J
Methylcyclohexane	500	471	94	41 - 133	J
Methylene Chloride	500	397	79	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	448	90	37 - 126	
n-Butylbenzene	500	478	96	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	481	96	68 - 120	
p-Isopropyltoluene	500	489	98	56 - 136	
sec-Butylbenzene	500	486	97	58 - 131	
Styrene	500	439	88	60 - 120	
tert-Butylbenzene	500	498	100	58 - 128	
Tetrachloroethene	500	510	102	58 - 131	
Tetrahydrofuran	500	545	109	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	436	87	22 - 122	
Trichloroethene	500	478	96	59 - 124	
Trichlorofluoromethane	500	313	63	17 - 145	
Vinyl chloride	500	390	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	39 - 128
4-Bromofluorobenzene (Surr)	91	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	88	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-15029/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2101	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-15029/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2101	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	9.54	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	70	30 - 122
Toluene-d8 (Surr)	85	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15029/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2039	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	393	79	27 - 121	
1,1,1-Trichloroethane	500	389	78	38 - 122	
1,1,2,2-Tetrachloroethane	500	505	101	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	408	82	48 - 151	
1,1,2-Trichloroethane	500	550	110	74 - 114	
1,1-Dichloroethane	500	434	87	63 - 117	
1,1-Dichloroethene	500	412	82	44 - 143	
1,1-Dichloropropene	500	450	90	60 - 123	
1,2,3-Trichlorobenzene	500	397	79	43 - 129	
1,2,3-Trichloropropane	500	565	113	74 - 124	
1,2,4-Trichlorobenzene	500	368	74	41 - 135	
1,2,4-Trimethylbenzene	500	461	92	62 - 133	
1,2-Dibromo-3-Chloropropane	500	390	78	10 - 129	J
1,2-Dibromoethane	500	520	104	47 - 123	
1,2-Dichlorobenzene	500	467	93	68 - 118	
1,2-Dichloroethane	500	478	96	68 - 119	
1,2-Dichloropropane	500	496	99	73 - 113	
1,3,5-Trimethylbenzene	500	443	89	60 - 130	
1,3-Dichlorobenzene	500	458	92	66 - 121	
1,3-Dichloropropane	500	545	109	74 - 119	
1,4-Dichlorobenzene	500	445	89	65 - 119	
2,2-Dichloropropane	500	324	65	25 - 123	
2-Butanone (MEK)	1000	1080	108	10 - 199	
2-Chlorotoluene	500	475	95	68 - 122	
2-Hexanone	1000	1230	123	43 - 130	
4-Chlorotoluene	500	498	100	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1140	114	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	489	98	70 - 117	
Bromobenzene	500	500	100	72 - 120	
Bromochloromethane	500	457	91	56 - 128	
Bromodichloromethane	500	384	77	28 - 123	
Bromoform	500	464	93	10 - 117	
Bromomethane	500	294	59	10 - 114	
Carbon disulfide	500	269	54	10 - 132	
Carbon tetrachloride	500	344	69	29 - 118	
Chlorobenzene	500	477	95	71 - 116	
Chloroethane	500	376	75	10 - 120	
Chloroform	500	442	88	63 - 116	
Chloromethane	500	353	71	25 - 110	
cis-1,2-Dichloroethene	500	428	86	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15029/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2039	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	400	80	25 - 120	
Cyclohexane	500	414	83	40 - 120	J
Chlorodibromomethane	500	343	69	22 - 113	
Dibromomethane	500	499	100	68 - 118	
Dichlorodifluoromethane	500	239	48	10 - 110	J
Ethyl ether	500	421	84	70 - 130	J
Ethylbenzene	500	476	95	66 - 119	
Hexachlorobutadiene	500	377	75	34 - 135	
Isopropylbenzene	500	446	89	61 - 123	
Methyl acetate	500	575	115	44 - 173	
Methyl tert butyl ether	500	475	95	34 - 157	J
Methylcyclohexane	500	404	81	41 - 133	J
Methylene Chloride	500	383	77	27 - 172	
m-Xylene & p-Xylene	1000	940	94	67 - 118	
Naphthalene	500	465	93	37 - 126	
n-Butylbenzene	500	428	86	51 - 137	
N-Propylbenzene	500	494	99	64 - 130	
o-Xylene	500	471	94	68 - 120	
p-Isopropyltoluene	500	433	87	56 - 136	
sec-Butylbenzene	500	449	90	58 - 131	
Styrene	500	448	90	60 - 120	
tert-Butylbenzene	500	469	94	58 - 128	
Tetrachloroethene	500	455	91	58 - 131	
Tetrahydrofuran	500	565	113	70 - 130	J
Toluene	500	494	99	66 - 123	
trans-1,2-Dichloroethene	500	410	82	58 - 121	
trans-1,3-Dichloropropene	500	396	79	22 - 122	
Trichloroethene	500	473	95	59 - 124	
Trichlorofluoromethane	500	295	59	17 - 145	
Vinyl chloride	500	369	74	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	86	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15029

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3692-B-1-A MS	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140892.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	09/14/2011 1319			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-C-1-A MSD	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140893.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.3 g
Analysis Date:	09/14/2011 1340			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	64	58	19 - 124	9	30	J	J
1,1,1-Trichloroethane	62	60	10 - 159	3	30	J	J
1,1,2,2-Tetrachloroethane	0	0	16 - 158	NC	30	F	F
1,1,2-Trichloro-1,2,2-trifluoroethane	73	73	23 - 168	1	30	J	J
1,1,2-Trichloroethane	0	0	34 - 152	NC	30	F	F
1,1-Dichloroethane	78	76	18 - 160	2	30	J	J
1,1-Dichloroethene	78	71	10 - 179	9	30	J	J
1,1-Dichloropropene	83	80	42 - 126	4	30	J	J
1,2,3-Trichlorobenzene	86	93	10 - 123	8	30	J	J
1,2,3-Trichloropropane	0	0	54 - 142	NC	30	F	F
1,2,4-Trichlorobenzene	81	78	10 - 136	3	30	J	J
1,2,4-Trimethylbenzene	168	210	10 - 199	22	30		F
1,2-Dibromo-3-Chloropropane	0	0	10 - 137	NC	30	F	F
1,2-Dibromoethane	93	0	32 - 127	NC	30	J	F
1,2-Dichlorobenzene	86	81	27 - 126	5	30	J	J
1,2-Dichloroethane	86	79	25 - 150	8	30	J	J
1,2-Dichloropropane	97	99	58 - 118	3	30	J	J
1,3,5-Trimethylbenzene	95	98	10 - 173	3	30	J	J
1,3-Dichlorobenzene	82	82	29 - 124	0	30	J	J
1,3-Dichloropropane	97	90	58 - 117	8	30	J	J
1,4-Dichlorobenzene	84	81	30 - 123	3	30	J	J
2,2-Dichloropropane	57	56	26 - 127	3	30	J	J
2-Butanone (MEK)	127	123	10 - 172	4	30	J	J
2-Chlorotoluene	102	95	51 - 118	8	30	J	J
2-Hexanone	0	0	21 - 141	NC	30	F	F
4-Chlorotoluene	0	94	43 - 120	NC	30	F	J
4-Methyl-2-pentanone (MIBK)	70	0	19 - 151	NC	30	J	F
Acetone	81	91	10 - 142	12	30	J	J
Benzene	95	86	10 - 199	9	30	J	J
Bromobenzene	89	86	49 - 119	2	30	J	J
Bromochloromethane	77	79	42 - 123	2	30	J	J
Bromodichloromethane	86	88	18 - 133	3	30	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15029

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3692-B-1-A MS	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140892.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	09/14/2011 1319			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-C-1-A MSD	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140893.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.3 g
Analysis Date:	09/14/2011 1340			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromoform	174	169	10 - 147	3	30	F	F
Bromomethane	20	0	10 - 151	NC	30	J	F
Carbon disulfide	32	21	10 - 155	19	30	J	J
Carbon tetrachloride	53	53	12 - 135	0	30	J	J
Chlorobenzene	90	84	47 - 118	7	30	J	J
Chloroethane	76	68	10 - 168	11	30	J	J
Chloroform	78	73	51 - 120	7	30	J	J
Chloromethane	65	60	16 - 115	8	30	J	J
cis-1,2-Dichloroethene	81	75	34 - 137	7	30	J	J
cis-1,3-Dichloropropene	81	80	19 - 121	1	30	J	J
Cyclohexane	81	58	10 - 154	17	30	J	J
Chlorodibromomethane	81	0	10 - 128	NC	30	J	F
Dibromomethane	86	83	45 - 121	4	30	J	J
Dichlorodifluoromethane	37	42	10 - 113	11	30	J	J
Ethyl ether	78	74	70 - 130	5	30	J	J
Ethylbenzene	199	146	27 - 143	30	30	F	J F
Hexachlorobutadiene	55	64	10 - 134	15	30	J	J
Isopropylbenzene	306	-43	39 - 126	46	30	4	4 F
Methyl acetate	363	783	10 - 175	59	30	F	F
Methyl tert butyl ether	90	86	26 - 159	4	30	J	J
Methylcyclohexane	328	-437	11 - 156	33	30	4	4 F
Methylene Chloride	55	62	10 - 148	12	30	J	J
m-Xylene & p-Xylene	111	96	14 - 151	14	30	J	J
Naphthalene	-1111	-547	10 - 199	40	30	4	4 F
n-Butylbenzene	895	-296	13 - 154	35	30	4	4 F
N-Propylbenzene	482	-185	41 - 135	45	30	4	4 F
o-Xylene	108	96	18 - 151	12	30	J	J
p-Isopropyltoluene	73	130	33 - 139	13	30		
sec-Butylbenzene	595	-168	41 - 133	41	30	4	4 F
Styrene	88	82	31 - 137	6	30	J	J
tert-Butylbenzene	597	390	45 - 132	42	30	F	F
Tetrachloroethene	83	79	19 - 153	5	30	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15029

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3692-B-1-A MS	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140892.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	09/14/2011 1319			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-C-1-A MSD	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140893.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.3 g
Analysis Date:	09/14/2011 1340			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	113	114	70 - 130	0	30	J	J
Toluene	139	83	10 - 168	42	30	J	J F
trans-1,2-Dichloroethene	78	70	40 - 126	10	30	J	J
trans-1,3-Dichloropropene	88	86	10 - 136	2	30	J	J
Trichloroethene	90	94	10 - 193	5	30	J	J
Trichlorofluoromethane	50	51	10 - 157	1	30	J	J
Vinyl chloride	66	63	15 - 123	4	30	J	J

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		77	39 - 128
4-Bromofluorobenzene (Surr)	142	X	131	26 - 141
Dibromofluoromethane (Surr)	67		65	30 - 122
Toluene-d8 (Surr)	92		87	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-15752

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-15752/23-A	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	MB15752.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 0959	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	50
2,2'-oxybis[1-chloropropane]	ND		9.5	100
2,4,5-Trichlorophenol	ND		25	150
2,4,6-Trichlorophenol	ND		80	150
2,4-Dichlorophenol	ND		20	150
2,4-Dimethylphenol	ND		20	150
2,4-Dinitrophenol	ND		80	330
2,4-Dinitrotoluene	ND		27	200
2,6-Dinitrotoluene	ND		21	200
2-Chloronaphthalene	ND		3.3	50
2-Chlorophenol	ND		27	50
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	200
2-Nitroaniline	ND		9.1	200
2-Nitrophenol	ND		27	50
3,3'-Dichlorobenzidine	ND		18	100
3-Nitroaniline	ND		16	200
4,6-Dinitro-2-methylphenol	ND		80	150
4-Bromophenyl phenyl ether	ND		13	50
4-Chloro-3-methylphenol	ND		21	150
4-Chloroaniline	ND		17	150
4-Chlorophenyl phenyl ether	ND		13	50
4-Nitroaniline	ND		26	200
4-Nitrophenol	ND		80	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	100
Anthracene	ND		3.3	330
Atrazine	ND		9.1	200
Benzaldehyde	ND		12	100
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	100
Bis(2-chloroethyl)ether	ND		2.0	100
Bis(2-ethylhexyl) phthalate	ND		19	50
Butyl benzyl phthalate	ND		10	50
Caprolactam	ND		37	330
Carbazole	ND		27	50
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	50
Diethyl phthalate	ND		16	50

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-15752

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-15752/23-A	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	MB15752.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 0959	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	50
Di-n-butyl phthalate	ND		15	50
Di-n-octyl phthalate	ND		27	50
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	6.7
Hexachlorobutadiene	ND		27	50
Hexachlorocyclopentadiene	ND		27	330
Hexachloroethane	ND		9.0	50
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	50
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	100
N-Nitrosodi-n-propylamine	ND		27	50
N-Nitrosodiphenylamine	ND		21	50
Pentachlorophenol	ND		80	150
Phenol	ND		27	50
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	76	34 - 110
2,4,6-Tribromophenol (Surr)	77	10 - 118
2-Fluorophenol (Surr)	90	26 - 110
Nitrobenzene-d5 (Surr)	75	24 - 112
Phenol-d5 (Surr)	87	28 - 110
Terphenyl-d14 (Surr)	95	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-15752

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-15752/24-A	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	LCS15752.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 1018	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	417	63	50 - 130	
2,2'-oxybis[1-chloropropane]	667	431	65	36 - 116	
2,4,5-Trichlorophenol	667	487	73	42 - 110	
2,4,6-Trichlorophenol	667	471	71	37 - 110	
2,4-Dichlorophenol	667	427	64	40 - 110	
2,4-Dimethylphenol	667	330	49	28 - 110	
2,4-Dinitrophenol	667	373	56	10 - 110	
2,4-Dinitrotoluene	667	607	91	55 - 116	
2,6-Dinitrotoluene	667	564	85	54 - 115	
2-Chloronaphthalene	667	451	68	46 - 110	
2-Chlorophenol	667	403	60	39 - 110	
2-Methylnaphthalene	667	445	67	46 - 110	
2-Methylphenol	667	477	71	36 - 110	
2-Nitroaniline	667	539	81	47 - 124	
2-Nitrophenol	667	433	65	35 - 110	
3,3'-Dichlorobenzidine	667	393	59	31 - 110	
3-Nitroaniline	667	542	81	44 - 110	
4,6-Dinitro-2-methylphenol	667	517	77	21 - 110	
4-Bromophenyl phenyl ether	667	534	80	53 - 112	
4-Chloro-3-methylphenol	667	475	71	42 - 110	
4-Chloroaniline	667	371	56	25 - 110	
4-Chlorophenyl phenyl ether	667	510	76	53 - 110	
4-Nitroaniline	667	549	82	50 - 110	
4-Nitrophenol	667	543	81	24 - 117	
Acenaphthene	667	451	68	46 - 110	
Acenaphthylene	667	451	68	47 - 110	
Acetophenone	667	422	63	50 - 130	
Anthracene	667	526	79	56 - 111	
Atrazine	667	609	91	50 - 130	
Benzaldehyde	667	435	65	10 - 130	
Benzo[a]anthracene	667	541	81	58 - 111	
Benzo[a]pyrene	667	536	80	44 - 115	
Benzo[b]fluoranthene	667	496	74	43 - 124	
Benzo[g,h,i]perylene	667	625	94	44 - 120	
Benzo[k]fluoranthene	667	629	94	38 - 122	
Bis(2-chloroethoxy)methane	667	433	65	42 - 110	
Bis(2-chloroethyl)ether	667	444	67	41 - 110	
Bis(2-ethylhexyl) phthalate	667	609	91	56 - 123	
Butyl benzyl phthalate	667	613	92	57 - 121	
Caprolactam	667	562	84	50 - 130	
Carbazole	667	551	83	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-15752

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-15752/24-A	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	LCS15752.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 1018	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	582	87	56 - 111	
Dibenz(a,h)anthracene	667	612	92	45 - 122	
Dibenzofuran	667	474	71	50 - 110	
Diethyl phthalate	667	541	81	55 - 114	
Dimethyl phthalate	667	538	81	54 - 112	
Di-n-butyl phthalate	667	591	89	57 - 119	
Di-n-octyl phthalate	667	585	88	45 - 123	
Fluoranthene	667	585	88	55 - 118	
Fluorene	667	485	73	51 - 110	
Hexachlorobenzene	667	549	82	51 - 110	
Hexachlorobutadiene	667	397	59	39 - 110	
Hexachlorocyclopentadiene	667	312	47	10 - 110	J
Hexachloroethane	667	417	62	38 - 110	
Indeno[1,2,3-cd]pyrene	667	609	91	45 - 121	
Isophorone	667	436	65	46 - 117	
Naphthalene	667	421	63	42 - 110	
Nitrobenzene	667	434	65	40 - 110	
N-Nitrosodi-n-propylamine	667	408	61	40 - 114	
N-Nitrosodiphenylamine	667	506	76	54 - 112	
Pentachlorophenol	667	404	61	10 - 110	
Phenol	667	430	64	39 - 110	
Phenanthrene	667	517	78	54 - 110	
Pyrene	667	543	81	58 - 113	
3 & 4 Methylphenol	1330	827	62	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	62	34 - 110
2,4,6-Tribromophenol (Surr)	77	10 - 118
2-Fluorophenol (Surr)	67	26 - 110
Nitrobenzene-d5 (Surr)	61	24 - 112
Phenol-d5 (Surr)	66	28 - 110
Terphenyl-d14 (Surr)	95	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15752

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3908-B-1-B MS	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	3908B1BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	09/22/2011 1311			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3908-B-1-C MSD	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	3908B1CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/22/2011 1330			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	59	66	50 - 130	11	30		
2,2'-oxybis[1-chloropropane]	68	72	25 - 124	5	30		
2,4,5-Trichlorophenol	66	66	32 - 112	1	30		
2,4,6-Trichlorophenol	57	61	22 - 110	7	30		
2,4-Dichlorophenol	66	73	33 - 110	9	30		
2,4-Dimethylphenol	60	62	19 - 114	4	30		
2,4-Dinitrophenol	64	54	10 - 110	17	30		
2,4-Dinitrotoluene	87	83	42 - 118	4	30		
2,6-Dinitrotoluene	81	81	28 - 137	0	30		
2-Chloronaphthalene	63	68	40 - 110	9	30		
2-Chlorophenol	67	67	32 - 110	0	30		
2-Methylnaphthalene	65	72	10 - 200	9	30		
2-Methylphenol	72	76	19 - 124	5	30		
2-Nitroaniline	79	80	31 - 141	1	30		
2-Nitrophenol	64	69	17 - 110	8	30		
3,3'-Dichlorobenzidine	34	49	10 - 110	36	30		F
3-Nitroaniline	74	74	24 - 110	1	30		
4,6-Dinitro-2-methylphenol	75	68	10 - 110	9	30		
4-Bromophenyl phenyl ether	72	78	44 - 120	8	30		
4-Chloro-3-methylphenol	78	73	32 - 117	6	30		
4-Chloroaniline	51	59	11 - 110	15	30		
4-Chlorophenyl phenyl ether	70	72	47 - 116	4	30		
4-Nitroaniline	75	76	23 - 124	2	30		
4-Nitrophenol	84	76	10 - 125	10	30		
Acenaphthene	62	68	10 - 200	9	30		
Acenaphthylene	63	69	10 - 200	10	30		
Acetophenone	69	67	50 - 130	3	30		
Anthracene	74	76	10 - 200	2	30		
Atrazine	83	86	50 - 130	5	30		
Benzaldehyde	63	75	10 - 130	18	30		
Benzo[a]anthracene	81	79	10 - 200	3	30		
Benzo[a]pyrene	75	81	10 - 200	8	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15752

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3908-B-1-B MS	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	3908B1BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	09/22/2011 1311			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3908-B-1-C MSD	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	3908B1CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/22/2011 1330			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	70	74	10 - 200	5	30		
Benzo[g,h,i]perylene	87	92	10 - 200	6	30		
Benzo[k]fluoranthene	87	94	10 - 200	8	30		
Bis(2-chloroethoxy)methane	64	74	36 - 110	14	30		
Bis(2-chloroethyl)ether	72	81	32 - 118	12	30		
Bis(2-ethylhexyl) phthalate	91	91	10 - 200	1	30		
Butyl benzyl phthalate	90	91	43 - 138	1	30		
Caprolactam	91	85	50 - 130	6	30		
Carbazole	76	79	10 - 162	4	30		
Chrysene	83	84	10 - 200	1	30		
Dibenz(a,h)anthracene	86	89	10 - 200	4	30		
Dibenzofuran	68	69	10 - 200	2	30		
Diethyl phthalate	79	77	48 - 118	3	30		
Dimethyl phthalate	76	79	47 - 116	4	30		
Di-n-butyl phthalate	84	84	31 - 145	0	30		
Di-n-octyl phthalate	85	91	10 - 182	7	30		
Fluoranthene	80	81	10 - 200	1	30		
Fluorene	68	70	10 - 187	2	30		
Hexachlorobenzene	76	78	37 - 122	3	30		
Hexachlorobutadiene	54	63	30 - 110	16	30		
Hexachlorocyclopentadiene	39	43	10 - 110	12	30	J	J
Hexachloroethane	57	67	13 - 110	17	30		
Indeno[1,2,3-cd]pyrene	85	89	10 - 200	5	30		
Isophorone	64	72	32 - 129	12	30		
Naphthalene	59	67	10 - 200	12	30		
Nitrobenzene	61	73	33 - 111	18	30		
N-Nitrosodi-n-propylamine	69	69	30 - 121	0	30		
N-Nitrosodiphenylamine	73	73	10 - 169	1	30		
Pentachlorophenol	52	44	10 - 182	16	30		
Phenol	71	69	10 - 144	2	30		
Phenanthrene	73	73	10 - 200	1	30		
Pyrene	80	81	10 - 200	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15752

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3908-B-1-B MS	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	3908B1BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	09/22/2011 1311			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3908-B-1-C MSD	Analysis Batch:	240-16425	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-15752	Lab File ID:	3908B1CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	09/22/2011 1330			Final Weight/Volume:	2 mL
Prep Date:	09/17/2011 1022			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	71	69	27 - 116	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	63	34 - 110
2,4,6-Tribromophenol (Surr)	63	65	10 - 118
2-Fluorophenol (Surr)	69	73	26 - 110
Nitrobenzene-d5 (Surr)	56	65	24 - 112
Phenol-d5 (Surr)	72	71	28 - 110
Terphenyl-d14 (Surr)	92	91	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-14847 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-14847/1-A	Analysis Batch:	240-16334	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092227.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/23/2011 0151	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14847 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-14847/2-A	Analysis Batch:	240-16548	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092313.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/23/2011 2352	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14847/3-A	Analysis Batch:	240-16548	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-14847	Lab File ID:	YF092322.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/24/2011 0535	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/09/2011 1314			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	103	107	80 - 120	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-15841

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-15841/23-A	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-15841	Lab File ID:	P1392120.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 0546	Units:	ug/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	09/19/2011 1052			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	29 - 151
DCB Decachlorobiphenyl	63	14 - 163

Lab Control Sample - Batch: 240-15841

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-15841/24-A	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-15841	Lab File ID:	P1392133.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	09/22/2011 0859	Units:	ug/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	09/19/2011 1052			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	250	75	62 - 120	
Aroclor-1260	333	214	64	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	66	29 - 151
DCB Decachlorobiphenyl	50	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15841

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3904-C-1-E MS	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-15841	Lab File ID:	P1392131.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.89 g
Analysis Date:	09/22/2011 0830			Final Weight/Volume:	10.00 mL
Prep Date:	09/19/2011 1052			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3904-C-1-F MSD	Analysis Batch:	240-16175	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-15841	Lab File ID:	P1392132.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	09/22/2011 0844			Final Weight/Volume:	10.00 mL
Prep Date:	09/19/2011 1052			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	60	75	22 - 157	23	30		
Aroclor-1260	46	61	13 - 161	27	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	64	81	29 - 151
DCB Decachlorobiphenyl	41	55	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-14784

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14784/20-A	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/13/2011 2120	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14784

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14784/18-A	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/13/2011 2144	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14784/19-A	Analysis Batch:	240-15189	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/14/2011 0437	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	106	88	70 - 120	19	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14784

Method: WI-DRO
Preparation: WI DRO PREP

MS Lab Sample ID:	240-3596-E-5-A MS	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	28.08 g
Analysis Date:	09/14/2011 2018			Final Weight/Volume:	4 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3596-D-5-A MSD	Analysis Batch:	240-15347	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-14784	Lab File ID:	P14F0000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.34 g
Analysis Date:	09/14/2011 2042			Final Weight/Volume:	5 mL
Prep Date:	09/09/2011 0849			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	-573	-587	60 - 130	30	25	J 4	J 4 F

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-14983

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-14983/1-A	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2011 2135	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	ND		0.39	1.0
Barium	0.102	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	19.1	J	16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	ND		4.9	10
Potassium	17.4	J	6.2	500
Magnesium	ND		5.1	500
Manganese	0.0905	J	0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Lab Control Sample - Batch: 240-14983

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-14983/2-A	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2011 2141	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	195	98	80 - 120	
Antimony	50.0	48.1	96	80 - 120	
Barium	200	203	101	80 - 120	
Beryllium	5.00	5.01	100	80 - 120	
Calcium	5000	4660	93	80 - 120	
Cadmium	5.00	5.03	101	80 - 120	
Cobalt	50.0	48.7	97	80 - 120	
Chromium	20.0	19.9	99	80 - 120	
Copper	25.0	24.4	98	80 - 120	
Iron	100	107	107	80 - 120	
Potassium	5000	4300	86	80 - 120	
Magnesium	5000	4830	97	80 - 120	
Manganese	50.0	49.9	100	80 - 120	
Silver	5.00	4.85	97	80 - 120	
Sodium	5000	4890	98	80 - 120	
Nickel	50.0	50.4	101	80 - 120	
Vanadium	50.0	48.9	98	80 - 120	
Zinc	50.0	51.5	103	80 - 120	
Arsenic	200	201	100	80 - 120	
Lead	50.0	50.5	101	80 - 120	
Selenium	200	196	98	80 - 120	
Thallium	200	189	95	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14983

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3605-1	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/15/2011 2200			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3605-1	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-14983	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	09/15/2011 2206			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1028				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	103	100	75 - 125	3	20		
Cadmium	90	92	75 - 125	1	20		
Chromium	124	120	75 - 125	2	20		
Silver	90	91	75 - 125	1	20		
Arsenic	93	94	75 - 125	2	20		
Lead	97	94	75 - 125	3	20		
Selenium	91	90	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Method Blank - Batch: 240-14992

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-14992/1-A	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/14/2011 0932	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-14992

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-14992/2-A	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/14/2011 0933	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.853	102	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14992

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3605-1	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.61 g
Analysis Date:	09/14/2011 0936			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3605-1	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-14992	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.61 g
Analysis Date:	09/14/2011 0937			Final Weight/Volume:	100 mL
Prep Date:	09/12/2011 1425				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	100	104	11 - 192	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3605-1

Duplicate - Batch: 240-14790

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3588-A-10 DU	Analysis Batch:	240-14790	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/09/2011 0914	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	77	77	0.07	20	
Percent Moisture	23	23	0.2	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3605-1

Login Number: 3605

List Source: TestAmerica North Canton

List Number: 1

Creator: Ferrel, Matthew

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2/4.2/1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-4162-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
10/11/2011 2:59 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
10/11/2011

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-4162-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/23/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.4 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples EB-01(20110914) (240-4162-2) and TB-006(20110922) (240-4162-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/28/2011.

Methylene Chloride was detected in method blank MB 240-17077/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

1,1-Dichloroethane and 1,2-Dichloropropane failed the recovery criteria low for the MS/MSD of sample 240-3920-10 in batch 240-17077.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with job 4162.

Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample EB-01(20110914) (240-4162-2) was analyzed for Semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/29/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Method(s) 8270C: Sample EB-01(20110914) (240-4162-2) was received after sample holding times were expired.

Method(s) 8270C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 16590 for these samples EB-01(20110914) (240-4162-2).

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Sample EB-01(20110914) (240-4162-2) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/28/2011.

Method(s) Wisconsin DRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 16672 for these samples EB-01(20110914) (240-4162-2).

No difficulties were encountered during the WI-DRO analysis.

All quality control parameters were within the acceptance limits.

WISCONSIN GRO

Sample EB-01(20110914) (240-4162-2) was analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/27/2011.

Method(s) WI-GRO: The continuing calibration verification (CCV) for Wis GRO associated with batch 16677 recovered above the upper control limit. The sample associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. EB-01(20110914) (240-4162-2)

Method(s) Wisconsin GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 16677 for these samples EB-01(20110914) (240-4162-2).

No difficulties were encountered during the WI-GRO analysis.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample ASB-166_7-12(20110906) (240-4162-1) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 10/07/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-4162-1	**ASB-166_7-12(20110906)**					
Dissolved						
Arsenic		610		10	ug/L	6010B
240-4162-2	**EB-01(20110914)**					
Acetone		8.1	J	10	ug/L	8260B
2-Butanone (MEK)		0.83	J	10	ug/L	8260B
Toluene		0.21	J	1.0	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.042	J H	0.098	mg/L	WI-DRO

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method	Analyst	Analyst ID
SW846 8260B	Evans, Laura	LE
SW846 8270C	Gruber, John	JG
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Musselman, Natalie J	NJM

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-4162-1	ASB-166_7-12(20110906)	Water	09/06/2011 1745	09/23/2011 0930
240-4162-2	EB-01(20110914)	Water	09/14/2011 1410	09/23/2011 0930
240-4162-3TB	TB-006(20110922)	Water	09/22/2011 0000	09/23/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **EB-01(20110914)**

Lab Sample ID: 240-4162-2 Date Sampled: 09/14/2011 1410
Client Matrix: Water Date Received: 09/23/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ0009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1446			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1446				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	8.1	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **EB-01(20110914)**

Lab Sample ID: 240-4162-2 Date Sampled: 09/14/2011 1410
Client Matrix: Water Date Received: 09/23/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ0009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1446			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1446				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	0.83	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	0.21	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		63 - 129
4-Bromofluorobenzene (Surr)	95		66 - 117
Toluene-d8 (Surr)	102		74 - 115
Dibromofluoromethane (Surr)	110		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **TB-006(20110922)**

Lab Sample ID: 240-4162-3TB Date Sampled: 09/22/2011 0000
Client Matrix: Water Date Received: 09/23/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ0010.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1508			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1508				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **TB-006(20110922)**

Lab Sample ID: 240-4162-3TB Date Sampled: 09/22/2011 0000
Client Matrix: Water Date Received: 09/23/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ0010.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1508			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1508				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		63 - 129
4-Bromofluorobenzene (Surr)	93		66 - 117
Toluene-d8 (Surr)	101		74 - 115
Dibromofluoromethane (Surr)	103		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **EB-01(20110914)**

Lab Sample ID: 240-4162-2 Date Sampled: 09/14/2011 1410
Client Matrix: Water Date Received: 09/23/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17222	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-16590	Lab File ID:	0929034.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/29/2011 2039			Final Weight/Volume:	2 mL
Prep Date:	09/24/2011 1048			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND	H	0.098	9.8
Acenaphthylene	ND	H	0.098	9.8
Anthracene	ND	H	0.098	9.8
Benzo[a]anthracene	ND	H	0.098	0.20
Benzo[b]fluoranthene	ND	H	0.098	9.8
Benzo[k]fluoranthene	ND	H	0.098	9.8
Benzo[g,h,i]perylene	ND	H	0.098	9.8
Benzo[a]pyrene	ND	H	0.098	9.8
Chrysene	ND	H	0.098	9.8
2-Methylnaphthalene	ND	H	0.098	9.8
Dibenz(a,h)anthracene	ND	H	0.098	9.8
Fluoranthene	ND	H	0.098	9.8
Fluorene	ND	H	0.098	9.8
Indeno[1,2,3-cd]pyrene	ND	H	0.098	9.8
Naphthalene	ND	H	0.098	9.8
Phenanthrene	ND	H	0.098	9.8
Pyrene	ND	H	0.098	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		28 - 110
2-Fluorophenol (Surr)	61		10 - 110
2,4,6-Tribromophenol (Surr)	60		22 - 120
Nitrobenzene-d5 (Surr)	57		27 - 111
Phenol-d5 (Surr)	63		10 - 110
Terphenyl-d14 (Surr)	73		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **EB-01(20110914)**

Lab Sample ID: 240-4162-2 Date Sampled: 09/14/2011 1410
Client Matrix: Water Date Received: 09/23/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF092648.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/27/2011 1633			Final Weight/Volume:	5 mL
Prep Date:	09/27/2011 1633			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **EB-01(20110914)**

Lab Sample ID: 240-4162-2 Date Sampled: 09/14/2011 1410
Client Matrix: Water Date Received: 09/23/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-17042	Instrument ID:	A2HP5
Prep Method:	3510C	Prep Batch:	240-16672	Lab File ID:	P5092808.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/28/2011 1311			Final Weight/Volume:	1.00 mL
Prep Date:	09/26/2011 0918			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.042	J H	0.016	0.098

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Client Sample ID: **ASB-166_7-12(20110906)**

Lab Sample ID: 240-4162-1 Date Sampled: 09/06/2011 1745
Client Matrix: Water Date Received: 09/23/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-18453	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-18188	Lab File ID:	I51007A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/07/2011 1946			Final Weight/Volume:	50 mL
Prep Date:	10/06/2011 1015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	610		3.2	10

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	H	Sample was prepped or analyzed beyond the specified holding time
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-17077					
LCS 240-17077/4	Lab Control Sample	T	Water	8260B	
MB 240-17077/5	Method Blank	T	Water	8260B	
240-3920-C-10 MS	Matrix Spike	T	Water	8260B	
240-3920-C-10 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-4162-2	EB-01(20110914)	T	Water	8260B	
240-4162-3TB	TB-006(20110922)	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-16590					
LCS 240-16590/11-A	Lab Control Sample	T	Water	3520C	
MB 240-16590/10-A	Method Blank	T	Water	3520C	
240-4162-2	EB-01(20110914)	T	Water	3520C	
Analysis Batch:240-17222					
LCS 240-16590/11-A	Lab Control Sample	T	Water	8270C	240-16590
MB 240-16590/10-A	Method Blank	T	Water	8270C	240-16590
240-4162-2	EB-01(20110914)	T	Water	8270C	240-16590

Report Basis
T = Total

GC VOA					
Analysis Batch:240-16677					
LCS 240-16677/47	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-16677/49	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-16677/46	Method Blank	T	Water	WI-GRO	
240-4162-2	EB-01(20110914)	T	Water	WI-GRO	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-16672					
LCS 240-16672/3-A	Lab Control Sample	T	Water	3510C	
LCSD 240-16672/4-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-16672/2-A	Method Blank	T	Water	3510C	
240-4162-2	EB-01(20110914)	T	Water	3510C	
Analysis Batch:240-17042					
LCS 240-16672/3-A	Lab Control Sample	T	Water	WI-DRO	240-16672
LCSD 240-16672/4-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-16672
MB 240-16672/2-A	Method Blank	T	Water	WI-DRO	240-16672
240-4162-2	EB-01(20110914)	T	Water	WI-DRO	240-16672

Report Basis
T = Total

Metals					
Prep Batch: 240-18188					
LCS 240-18188/2-A	Lab Control Sample	R	Water	3005A	
MB 240-18188/1-A	Method Blank	R	Water	3005A	
240-4162-1	ASB-166_7-12(20110906)	D	Water	3005A	
240-4200-L-38-B MS	Matrix Spike	R	Water	3005A	
240-4200-L-38-C MSD	Matrix Spike Duplicate	R	Water	3005A	
Analysis Batch:240-18453					
LCS 240-18188/2-A	Lab Control Sample	R	Water	6010B	240-18188
MB 240-18188/1-A	Method Blank	R	Water	6010B	240-18188
240-4162-1	ASB-166_7-12(20110906)	D	Water	6010B	240-18188
240-4200-L-38-B MS	Matrix Spike	R	Water	6010B	240-18188
240-4200-L-38-C MSD	Matrix Spike Duplicate	R	Water	6010B	240-18188

Report Basis
D = Dissolved
R = Total Recoverable

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-4162-2	EB-01(20110914)	100	95	102	110
240-4162-3	TB-006(20110922)	106	93	101	103
MB 240-17077/5		104	91	105	113
LCS 240-17077/4		110	116	106	113
240-3920-C-10 MS		94	108	105	106
240-3920-C-10 MSD		90	110	103	107

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-4162-2	EB-01(20110914)	54	61	60	57	63	73
MB 240-16590/10-A		73	77	75	77	81	99
LCS 240-16590/11-A		68	72	77	70	75	82

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method Blank - Batch: 240-17077

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-17077/5	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1325	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1325				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method Blank - Batch: 240-17077

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-17077/5	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1325	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1325				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	1.0
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.376	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	63 - 129
4-Bromofluorobenzene (Surr)	91	66 - 117
Toluene-d8 (Surr)	105	74 - 115
Dibromofluoromethane (Surr)	113	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Lab Control Sample - Batch: 240-17077

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-17077/4	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1348	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1348				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.91	99	72 - 116	
1,1,1-Trichloroethane	10.0	10.6	106	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	8.78	88	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	13.4	134	74 - 151	
1,1,2-Trichloroethane	10.0	9.29	93	80 - 112	
1,1-Dichloroethane	10.0	8.44	84	82 - 115	
1,1-Dichloroethene	10.0	10.4	104	78 - 131	
1,1-Dichloropropene	10.0	9.66	97	83 - 114	
1,2,3-Trichlorobenzene	10.0	8.49	85	54 - 126	
1,2,3-Trichloropropane	10.0	9.49	95	73 - 129	
1,2,4-Trichlorobenzene	10.0	7.71	77	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.97	100	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	8.29	83	42 - 136	
1,2-Dichlorobenzene	10.0	10.1	101	81 - 110	
1,2-Dichloroethane	10.0	9.44	94	71 - 127	
1,2-Dichloropropane	10.0	8.14	81	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.52	95	72 - 118	
1,3-Dichlorobenzene	10.0	10.0	100	80 - 110	
1,3-Dichloropropane	10.0	8.96	90	79 - 116	
1,4-Dichlorobenzene	10.0	9.88	99	82 - 110	
2,2-Dichloropropane	10.0	9.67	97	50 - 129	
2-Chlorotoluene	10.0	9.81	98	76 - 116	
2-Hexanone	20.0	17.2	86	55 - 133	
Bromobenzene	10.0	9.06	91	76 - 115	
Bromochloromethane	10.0	9.77	98	77 - 120	
4-Chlorotoluene	10.0	9.64	96	77 - 115	
p-Isopropyltoluene	10.0	10.5	105	74 - 120	
Acetone	20.0	17.8	89	43 - 136	
Benzene	10.0	9.01	90	83 - 112	
Bromoform	10.0	9.21	92	40 - 131	
Bromomethane	10.0	9.65	97	11 - 185	
Carbon disulfide	10.0	9.73	97	62 - 142	
Carbon tetrachloride	10.0	10.4	104	66 - 128	
Chlorobenzene	10.0	10.0	100	85 - 110	
Chloroethane	10.0	7.31	73	25 - 153	
Chloroform	10.0	10.1	101	79 - 117	
Chloromethane	10.0	7.70	77	44 - 126	
cis-1,2-Dichloroethene	10.0	9.45	95	80 - 113	
cis-1,3-Dichloropropene	10.0	8.16	82	61 - 115	
Cyclohexane	10.0	9.07	91	54 - 121	
Hexachlorobutadiene	10.0	7.08	71	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Lab Control Sample - Batch: 240-17077

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-17077/4	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 1348	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 1348				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	10.1	101	81 - 120	
Bromodichloromethane	10.0	9.39	94	72 - 121	
Dichlorodifluoromethane	10.0	11.0	110	19 - 129	
Ethyl ether	10.0	8.50	85	53 - 135	
Ethylbenzene	10.0	10.2	102	83 - 112	
1,2-Dibromoethane	10.0	9.66	97	79 - 113	
Naphthalene	10.0	7.34	73	32 - 141	
m-Xylene & p-Xylene	20.0	19.9	100	83 - 113	
n-Butylbenzene	10.0	9.88	99	66 - 125	
Isopropylbenzene	10.0	10.4	104	75 - 114	
Methyl acetate	10.0	7.69	77	58 - 131	J
N-Propylbenzene	10.0	9.72	97	74 - 121	
2-Butanone (MEK)	20.0	15.9	80	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	16.1	81	63 - 128	
sec-Butylbenzene	10.0	9.33	93	70 - 117	
Methyl tert butyl ether	10.0	9.00	90	52 - 144	
Methylene Chloride	10.0	8.24	82	66 - 131	
o-Xylene	10.0	10.3	103	83 - 113	
Styrene	10.0	10.2	102	79 - 114	
tert-Butylbenzene	10.0	9.26	93	71 - 115	
Tetrachloroethene	10.0	10.5	105	79 - 114	
Tetrahydrofuran	10.0	8.00	80	23 - 143	
Toluene	10.0	9.68	97	84 - 111	
trans-1,2-Dichloroethene	10.0	10.2	102	83 - 117	
trans-1,3-Dichloropropene	10.0	8.61	86	58 - 117	
Trichloroethene	10.0	9.76	98	76 - 117	
Trichlorofluoromethane	10.0	11.2	112	49 - 157	
Vinyl chloride	10.0	8.77	88	53 - 127	
Methylcyclohexane	10.0	11.6	116	56 - 127	
Chlorodibromomethane	10.0	9.94	99	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	63 - 129
4-Bromofluorobenzene (Surr)	116	66 - 117
Toluene-d8 (Surr)	106	74 - 115
Dibromofluoromethane (Surr)	113	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-17077

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3920-C-10 MS	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0028.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 2155			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 2155				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3920-C-10 MSD	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0029.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 2218			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 2218				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	99	93	64 - 118	6	30		
1,1,1-Trichloroethane	68	70	68 - 121	1	30		
1,1,2,2-Tetrachloroethane	84	84	63 - 122	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	102	112	70 - 152	9	30		
1,1,2-Trichloroethane	91	87	75 - 115	5	30		
1,1-Dichloroethane	70	71	79 - 116	1	30	F	F
1,1-Dichloroethene	93	99	74 - 135	5	30		
1,1-Dichloropropene	83	84	80 - 114	1	30		
1,2,3-Trichlorobenzene	77	79	45 - 129	3	30		
1,2,3-Trichloropropane	83	84	67 - 132	2	30		
1,2,4-Trichlorobenzene	72	76	38 - 138	6	30		
1,2,4-Trimethylbenzene	84	85	67 - 124	1	30		
1,2-Dibromo-3-Chloropropane	80	71	32 - 139	11	30		
1,2-Dichlorobenzene	91	94	75 - 111	3	30		
1,2-Dichloroethane	83	79	68 - 129	5	30		
1,2-Dichloropropane	75	77	78 - 115	2	30	F	F
1,3,5-Trimethylbenzene	82	86	63 - 121	5	30		
1,3-Dichlorobenzene	86	89	73 - 110	4	30		
1,3-Dichloropropane	83	84	74 - 118	1	30		
1,4-Dichlorobenzene	85	89	75 - 110	5	30		
2,2-Dichloropropane	80	76	38 - 127	5	30		
2-Chlorotoluene	84	87	69 - 117	3	30		
2-Hexanone	76	78	47 - 139	3	30		
Bromobenzene	86	88	71 - 116	2	30		
Bromochloromethane	97	94	73 - 121	3	30		
4-Chlorotoluene	83	83	71 - 116	0	30		
p-Isopropyltoluene	88	88	64 - 122	0	30		
Acetone	80	79	33 - 145	2	30		
Benzene	87	85	72 - 121	3	30		
Bromoform	79	78	32 - 128	1	30		
Bromomethane	79	79	10 - 186	1	30		
Carbon disulfide	82	85	57 - 147	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-17077

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3920-C-10 MS	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0028.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 2155			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 2155				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3920-C-10 MSD	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0029.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 2218			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 2218				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	98	94	59 - 129	4	30		
Chlorobenzene	91	93	80 - 110	3	30		
Chloroethane	63	69	21 - 165	9	30		
Chloroform	93	90	76 - 118	3	30		
Chloromethane	59	61	33 - 132	4	30		
cis-1,2-Dichloroethene	89	90	70 - 120	0	30		
cis-1,3-Dichloropropene	73	75	51 - 110	2	30		
Cyclohexane	73	78	49 - 123	6	30		
Hexachlorobutadiene	59	64	27 - 132	8	30		
Dibromomethane	90	88	77 - 121	2	30		
Bromodichloromethane	85	83	67 - 120	3	30		
Dichlorodifluoromethane	71	74	17 - 128	4	30		
Ethyl ether	80	80	63 - 136	0	30		
Ethylbenzene	93	89	75 - 116	5	30		
1,2-Dibromoethane	93	95	74 - 113	2	30		
Naphthalene	67	71	15 - 158	7	30		
m-Xylene & p-Xylene	88	88	75 - 117	1	30		
n-Butylbenzene	81	82	56 - 127	2	30		
Isopropylbenzene	91	90	68 - 116	1	30		
Methyl acetate	65	67	47 - 130	3	30	J	J
N-Propylbenzene	81	87	64 - 124	7	30		
2-Butanone (MEK)	70	72	54 - 129	3	30		
4-Methyl-2-pentanone (MIBK)	74	72	56 - 131	2	30		
sec-Butylbenzene	81	84	60 - 119	3	30		
Methyl tert butyl ether	87	87	46 - 144	0	30		
Methylene Chloride	84	82	63 - 128	2	30		
o-Xylene	90	94	76 - 116	5	30		
Styrene	93	92	71 - 117	1	30		
tert-Butylbenzene	80	84	61 - 119	5	30		
Tetrachloroethene	88	94	70 - 117	6	30		
Tetrahydrofuran	73	70	10 - 167	5	30		
Toluene	88	86	78 - 114	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-17077

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3920-C-10 MS	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0028.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 2155			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 2155				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3920-C-10 MSD	Analysis Batch:	240-17077	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ0029.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2011 2218			Final Weight/Volume:	5 mL
Prep Date:	09/28/2011 2218				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	95	91	80 - 119	4	30		
trans-1,3-Dichloropropene	75	79	46 - 116	5	30		
Trichloroethene	89	91	66 - 120	2	30		
Trichlorofluoromethane	88	93	46 - 157	6	30		
Vinyl chloride	71	73	49 - 130	2	30		
Methylcyclohexane	90	95	49 - 127	5	30		
Chlorodibromomethane	89	87	56 - 118	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	90	63 - 129
4-Bromofluorobenzene (Surr)	108	110	66 - 117
Toluene-d8 (Surr)	105	103	74 - 115
Dibromofluoromethane (Surr)	106	107	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method Blank - Batch: 240-16590

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-16590/10-A	Analysis Batch:	240-17222	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-16590	Lab File ID:	0929009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/29/2011 1244	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	09/24/2011 1048			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	73	28 - 110
2-Fluorophenol (Surr)	77	10 - 110
2,4,6-Tribromophenol (Surr)	75	22 - 120
Nitrobenzene-d5 (Surr)	77	27 - 111
Phenol-d5 (Surr)	81	10 - 110
Terphenyl-d14 (Surr)	99	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Lab Control Sample - Batch: 240-16590

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-16590/11-A	Analysis Batch:	240-17222	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-16590	Lab File ID:	0929045.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/29/2011 1434	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	09/24/2011 1048			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	14.8	74	40 - 110	
Acenaphthylene	20.0	15.1	75	43 - 110	
Anthracene	20.0	15.4	77	54 - 114	
Benzo[a]anthracene	20.0	15.1	76	55 - 115	
Benzo[b]fluoranthene	20.0	15.6	78	43 - 122	
Benzo[k]fluoranthene	20.0	15.0	75	43 - 124	
Benzo[g,h,i]perylene	20.0	16.8	84	45 - 120	
Benzo[a]pyrene	20.0	13.3	66	43 - 116	
Chrysene	20.0	15.7	79	55 - 115	
2-Methylnaphthalene	20.0	15.2	76	35 - 110	
Dibenz(a,h)anthracene	20.0	16.6	83	46 - 122	
Fluoranthene	20.0	16.9	85	54 - 122	
Fluorene	20.0	15.6	78	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	16.0	80	46 - 121	
Naphthalene	20.0	14.8	74	31 - 110	
Phenanthrene	20.0	15.1	75	52 - 114	
Pyrene	20.0	14.5	73	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	28 - 110
2-Fluorophenol (Surr)	72	10 - 110
2,4,6-Tribromophenol (Surr)	77	22 - 120
Nitrobenzene-d5 (Surr)	70	27 - 111
Phenol-d5 (Surr)	75	10 - 110
Terphenyl-d14 (Surr)	82	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method Blank - Batch: 240-16677

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-16677/46	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF092646.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/27/2011 1516	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/27/2011 1516			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-16677

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-16677/47	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF092647.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/27/2011 1554	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/27/2011 1554			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-16677/49	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF092649.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/27/2011 1714	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/27/2011 1714			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	117	119	80 - 120	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method Blank - Batch: 240-16672

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-16672/2-A	Analysis Batch:	240-17042	Instrument ID:	A2HP5
Client Matrix:	Water	Prep Batch:	240-16672	Lab File ID:	P5092806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/28/2011 1214	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	09/26/2011 0918			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-16672

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-16672/3-A	Analysis Batch:	240-17042	Instrument ID:	A2HP5
Client Matrix:	Water	Prep Batch:	240-16672	Lab File ID:	P5092807.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/28/2011 1243	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	09/26/2011 0918			Injection Volume:	1 uL
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 240-16672/4-A	Analysis Batch:	240-17042	Instrument ID:	A2HP5
Client Matrix:	Water	Prep Batch:	240-16672	Lab File ID:	P5092809.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/28/2011 1341	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	09/26/2011 0918			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	102	90	75 - 115	12	20		

Client: ARCADIS U.S., Inc. Job Number: 240-4162-1

Method Blank - Batch: 240-18188

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-18188/1-A	Analysis Batch:	240-18453	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-18188	Lab File ID:	I51007A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/07/2011 1912	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/06/2011 1015				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		3.2	10

Lab Control Sample - Batch: 240-18188

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-18188/2-A	Analysis Batch:	240-18453	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-18188	Lab File ID:	I51007A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/07/2011 1918	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/06/2011 1015				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1820	91	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18188

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-4200-L-38-B MS	Analysis Batch:	240-18453	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-18188	Lab File ID:	I51007A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/07/2011 1935			Final Weight/Volume:	50 mL
Prep Date:	10/06/2011 1015				
Leach Date:	N/A				

MSD Lab Sample ID:	240-4200-L-38-C MSD	Analysis Batch:	240-18453	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-18188	Lab File ID:	I51007A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/07/2011 1940			Final Weight/Volume:	50 mL
Prep Date:	10/06/2011 1015				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	104	103	75 - 125	0	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-4162-1

Login Number: 4162

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

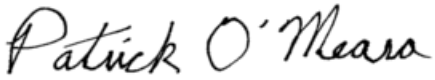
ANALYTICAL REPORT

Job Number: 240-3807-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
10/13/2011 3:52 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
10/13/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3807-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/14/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt were 1.5 and 2.4 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)-SOILS

Samples ASB-174_4-6(20110907) (240-3807-1), ASB-182_2-4(20110909) (240-3807-2), ASB-184_2-4(20110909) (240-3807-3), ASB-181_6-8(20110909) (240-3807-4), ASB-183_0-2(20110909) (240-3807-5), ASB-185_0-2(20110909) (240-3807-6), ASB-185_4-6(20110909) (240-3807-7), ASB-186_0-2(20110909) (240-3807-8), ASB-186_4-6(20110909) (240-3807-9), ASB-187_2-4(20110909) (240-3807-10), ASB-195_6-8(20110912) (240-3807-26), ASB-195_8-10(20110912) (240-3807-27), ASB-193_1-2(20110912) (240-3807-28), ASB-194_10-12(20110912) (240-3807-29) and ASB-194_13-15(20110912) (240-3807-30) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/20/2011 and 09/21/2011.

The following sample was diluted due to abundance of target analytes: ASB-182_2-4(20110909) (240-3807-2). Surrogate and spike recoveries were diluted out and the MS/MSD was not analyzed.

Ethyl ether failed the recovery criteria low for the MSD of sample ASB-193_1-2(20110912)MSD (240-3807-28) in batch 240-16017.

Refer to the QC report for details.

Sample ASB-182_2-4(20110909) (240-3807-2)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample TRIP BLANK (240-3807-31) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method

8260B. The sample was prepared and analyzed on 9/20/11.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 240-3787-B-4 MS. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 240-3787-B-4 MSD.

Acetone failed the recovery criteria low for the MS of sample 240-3787-4 in batch 240-15984. 1,1-Dichloroethene failed the recovery criteria low for the MSD of sample 240-3787-4 in batch 240-15984.

Refer to the QC report for details.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-184_2-4(20110909) (240-3807-3), ASB-185_0-2(20110909) (240-3807-6), ASB-185_4-6(20110909) (240-3807-7), ASB-186_0-2(20110909) (240-3807-8), ASB-186_4-6(20110909) (240-3807-9), ASB-187_2-4(20110909) (240-3807-10), ASB-195_6-8(20110912) (240-3807-26), ASB-195_8-10(20110912) (240-3807-27), ASB-193_1-2(20110912) (240-3807-28), ASB-194_10-12(20110912) (240-3807-29) and ASB-194_13-15(20110912) (240-3807-30) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/27/2011, 09/28/2011, 10/03/2011 and 10/04/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 16114 exceeded control limits for the following analytes: bis(2-Ehtylhexyl)phthalate. Upon re-extraction and re-analysis all QC met acceptance criteria for samples (240-3807-3 MS), (240-3807-3 MSD), ASB-184_2-4(20110909) (240-3807-3), ASB-185_0-2(20110909) (240-3807-6), ASB-185_4-6(20110909) (240-3807-7), ASB-186_0-2(20110909) (240-3807-8), ASB-186_4-6(20110909) (240-3807-9), and ASB-187_2-4(20110909) (240-3807-10); however, sample holding times had been exceeded. Both sets of data are reported.

Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-16114/24-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for ASB-187_2-4(20110909) (240-3807-10) and ASB-195_8-10(20110912) (240-3807-27).

Several analytes exceeded the recovery and RPD limits for the MS/MSD of sample 3692-6 in preparation batch 240-16114.

A MS/MSD was analyzed in preparation batch 240-16303 but is associated with another project and cannot be included in this report.

Refer to the QC report for details.

Samples ASB-195_6-8(20110912) (240-3807-26)[25X], ASB-195_8-10(20110912) (240-3807-27)[50X] and ASB-194_10-12(20110912) (240-3807-29)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-174_4-6(20110907) (240-3807-1), ASB-182_2-4(20110909) (240-3807-2), ASB-181_6-8(20110909) (240-3807-4) and ASB-183_0-2(20110909) (240-3807-5) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/28/2011.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria low for the MS of sample ASB-182_2-4(20110909)MS (240-3807-2) in batch 240-17016.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria low for the MSD of sample ASB-182_2-4(20110909)MSD (240-3807-2) in batch 240-17016. WI Gasoline Range Organics (C6-C10) exceeded the rpd limit.

Refer to the QC report for details.

Samples ASB-182_2-4(20110909) (240-3807-2)[100X] and ASB-181_6-8(20110909) (240-3807-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-GRO analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-184_2-4(20110909) (240-3807-3) and ASB-187_2-4(20110909) (240-3807-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/23/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Aroclor-1016 and Aroclor-1260 failed the recovery criteria low for the MS of sample ASB-184_2-4(20110909)MS (240-3807-3) in batch 240-16423. Aroclor-1016 and Aroclor-1260 exceeded the rpd limit for the MSD of sample ASB-184_2-4(20110909)MSD (240-3807-3) in batch 240-16423.

Refer to the QC report for details.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-3807-3 MS), (240-3807-3 MSD), ASB-184_2-4(20110909) (240-3807-3), ASB-187_2-4(20110909) (240-3807-10).

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-174_4-6(20110907) (240-3807-1), ASB-182_2-4(20110909) (240-3807-2), ASB-184_2-4(20110909) (240-3807-3), ASB-181_6-8(20110909) (240-3807-4), ASB-183_0-2(20110909) (240-3807-5) and ASB-187_2-4(20110909) (240-3807-10) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/22/2011 and 09/26/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-15710/11-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

WI Diesel Range Organics (C10-C28) failed the recovery criteria high for the MS of sample ASB-182_2-4(20110909)MS (240-3807-2) in batch 240-16663. WI Diesel Range Organics (C10-C28) failed the recovery criteria low for the MSD of sample ASB-182_2-4(20110909)MSD (240-3807-2) in batch 240-16663. WI Diesel Range Organics (C10-C28) exceeded the rpd limit.

Refer to the QC report for details.

Samples ASB-182_2-4(20110909) (240-3807-2)[100X] and ASB-183_0-2(20110909) (240-3807-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TCLP METALS (ICP)

Samples ASB-188_0-2(20110912) (240-3807-11), ASB-188_4-6(20110912) (240-3807-12), ASB-189_0-2(20110912) (240-3807-14), ASB-189_4-6(20110912) (240-3807-15), ASB-190_0-2(20110912) (240-3807-17), ASB-190_8-10(20110912) (240-3807-18), ASB-191_0-2(20110912) (240-3807-20), ASB-191_4-6(20110912) (240-3807-21), ASB-192_0-2(20110912) (240-3807-23) and ASB-192_4-6(20110912) (240-3807-24) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 09/19/2011, prepared on 09/20/2011 and analyzed on 09/21/2011.

Lead was detected in method blank LB 240-15811/1-D at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-174_4-6(20110907) (240-3807-1), ASB-182_2-4(20110909) (240-3807-2), ASB-184_2-4(20110909) (240-3807-3), ASB-181_6-8(20110909) (240-3807-4), ASB-183_0-2(20110909) (240-3807-5), ASB-185_0-2(20110909) (240-3807-6),

ASB-185_4-6(20110909) (240-3807-7), ASB-186_0-2(20110909) (240-3807-8), ASB-186_4-6(20110909) (240-3807-9), ASB-187_2-4(20110909) (240-3807-10), ASB-188_0-2(20110912) (240-3807-11), ASB-188_4-6(20110912) (240-3807-12), ASB-189_0-2(20110912) (240-3807-14), ASB-189_4-6(20110912) (240-3807-15), ASB-190_0-2(20110912) (240-3807-17), ASB-190_8-10(20110912) (240-3807-18), ASB-191_0-2(20110912) (240-3807-20), ASB-191_4-6(20110912) (240-3807-21), ASB-192_0-2(20110912) (240-3807-23), ASB-192_4-6(20110912) (240-3807-24), ASB-195_6-8(20110912) (240-3807-26), ASB-195_8-10(20110912) (240-3807-27), ASB-193_1-2(20110912) (240-3807-28), ASB-194_10-12(20110912) (240-3807-29) and ASB-194_13-15(20110912) (240-3807-30) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/26/2011, 09/27/2011 and 09/28/2011.

Several analytes were detected in method blank MB 240-15660/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Arsenic and Barium were detected in method blank MB 240-15676/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Antimony, Calcium, Lead and Manganese failed the recovery criteria low for the MS of sample ASB-182_2-4(20110909) (240-3807-2) in batch 240-17001. Several analytes failed the recovery criteria high.

For the MSD of sample ASB-182_2-4(20110909)MSD (240-3807-2) in batch 240-17001, several analytes failed the recovery criteria low. Aluminum, Lead and Potassium failed the recovery criteria high. Also, Barium, Chromium, Lead and Zinc exceeded the rpd limit.

Refer to the QC report for details.

Sample ASB-183_0-2(20110909) (240-3807-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-174_4-6(20110907) (240-3807-1), ASB-182_2-4(20110909) (240-3807-2), ASB-184_2-4(20110909) (240-3807-3), ASB-181_6-8(20110909) (240-3807-4), ASB-183_0-2(20110909) (240-3807-5), ASB-185_0-2(20110909) (240-3807-6), ASB-185_4-6(20110909) (240-3807-7), ASB-186_0-2(20110909) (240-3807-8), ASB-186_4-6(20110909) (240-3807-9), ASB-187_2-4(20110909) (240-3807-10), ASB-195_6-8(20110912) (240-3807-26), ASB-195_8-10(20110912) (240-3807-27), ASB-193_1-2(20110912) (240-3807-28), ASB-194_10-12(20110912) (240-3807-29) and ASB-194_13-15(20110912) (240-3807-30) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/16/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

FREE CYANIDE

Samples ASB-195_6-8(20110912) (240-3807-26), ASB-195_8-10(20110912) (240-3807-27), ASB-193_1-2(20110912) (240-3807-28), ASB-194_10-12(20110912) (240-3807-29) and ASB-194_13-15(20110912) (240-3807-30) were analyzed for free cyanide in accordance with ASTM Method D4282. The samples were analyzed on 09/19/2011.

No difficulties were encountered during the free cyanide analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-174_4-6(20110907) (240-3807-1), ASB-182_2-4(20110909) (240-3807-2), ASB-184_2-4(20110909) (240-3807-3), ASB-181_6-8(20110909) (240-3807-4), ASB-183_0-2(20110909) (240-3807-5), ASB-185_0-2(20110909) (240-3807-6), ASB-185_4-6(20110909) (240-3807-7), ASB-186_0-2(20110909) (240-3807-8), ASB-186_4-6(20110909) (240-3807-9), ASB-187_2-4(20110909) (240-3807-10), ASB-188_0-2(20110912) (240-3807-11), ASB-188_4-6(20110912) (240-3807-12), ASB-189_0-2(20110912) (240-3807-14), ASB-189_4-6(20110912) (240-3807-15), ASB-190_0-2(20110912) (240-3807-17), ASB-190_8-10(20110912) (240-3807-18), ASB-191_0-2(20110912) (240-3807-20), ASB-191_4-6(20110912) (240-3807-21), ASB-192_0-2(20110912) (240-3807-23), ASB-192_4-6(20110912) (240-3807-24), ASB-195_6-8(20110912) (240-3807-26), ASB-195_8-10(20110912) (240-3807-27), ASB-193_1-2(20110912) (240-3807-28), ASB-194_10-12(20110912) (240-3807-29) and ASB-194_13-15(20110912) (240-3807-30) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/15/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-1	**ASB-174_4-6(20110907)**					
Methyl acetate		230	J	570	ug/Kg	8260B
Naphthalene		12	J	280	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		6.7	J B	9.4	mg/Kg	WI-DRO
Aluminum		6900		19	mg/Kg	6010B
Barium		29	B	19	mg/Kg	6010B
Beryllium		0.59		0.48	mg/Kg	6010B
Calcium		21000	B	480	mg/Kg	6010B
Cobalt		11		4.8	mg/Kg	6010B
Chromium		14		0.48	mg/Kg	6010B
Copper		170		2.4	mg/Kg	6010B
Iron		15000		9.7	mg/Kg	6010B
Potassium		3500	B	480	mg/Kg	6010B
Magnesium		6900	B	480	mg/Kg	6010B
Manganese		230	B	1.5	mg/Kg	6010B
Sodium		220	J	480	mg/Kg	6010B
Nickel		21		3.9	mg/Kg	6010B
Vanadium		6.9		4.8	mg/Kg	6010B
Zinc		22		1.9	mg/Kg	6010B
Arsenic		6.8		0.97	mg/Kg	6010B
Lead		5.3		0.29	mg/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-2	**ASB-182_2-4(20110909)**					
1,2,4-Trimethylbenzene		170000		15000	ug/Kg	8260B
1,3,5-Trimethylbenzene		37000		15000	ug/Kg	8260B
cis-1,2-Dichloroethene		2600	J	15000	ug/Kg	8260B
Ethylbenzene		120000		15000	ug/Kg	8260B
Isopropylbenzene		5500	J	15000	ug/Kg	8260B
Methyl acetate		3400	J	29000	ug/Kg	8260B
Methylcyclohexane		7100	J	29000	ug/Kg	8260B
m-Xylene & p-Xylene		340000		29000	ug/Kg	8260B
Naphthalene		380000		15000	ug/Kg	8260B
n-Butylbenzene		98000		15000	ug/Kg	8260B
N-Propylbenzene		16000		15000	ug/Kg	8260B
o-Xylene		150000		15000	ug/Kg	8260B
p-Isopropyltoluene		6600	J	15000	ug/Kg	8260B
sec-Butylbenzene		8500	J	15000	ug/Kg	8260B
Toluene		56000		15000	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		6200		1300	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		3600	B	1100	mg/Kg	WI-DRO
Aluminum		8800		24	mg/Kg	6010B
Antimony		7.2		1.2	mg/Kg	6010B
Barium		900	B	24	mg/Kg	6010B
Beryllium		0.68		0.60	mg/Kg	6010B
Calcium		15000	B	600	mg/Kg	6010B
Cadmium		2.5		0.24	mg/Kg	6010B
Cobalt		13		6.0	mg/Kg	6010B
Chromium		86		0.60	mg/Kg	6010B
Copper		33		3.0	mg/Kg	6010B
Iron		17000		12	mg/Kg	6010B
Potassium		3700	B	600	mg/Kg	6010B
Magnesium		5100	B	600	mg/Kg	6010B
Manganese		390	B	1.8	mg/Kg	6010B
Sodium		490	J	600	mg/Kg	6010B
Nickel		25		4.8	mg/Kg	6010B
Vanadium		10		6.0	mg/Kg	6010B
Zinc		670		2.4	mg/Kg	6010B
Arsenic		7.2		1.2	mg/Kg	6010B
Lead		700		0.36	mg/Kg	6010B
Selenium		1.2		0.60	mg/Kg	6010B
Mercury		0.042	J	0.12	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-3	**ASB-184_2-4(20110909)**					
Carbon disulfide		54	J	300	ug/Kg	8260B
Methyl acetate		420	J	590	ug/Kg	8260B
Naphthalene		29	J	300	ug/Kg	8260B
2-Methylnaphthalene		21	J	450	ug/Kg	8270C
Acenaphthene		58	J	450	ug/Kg	8270C
Anthracene		130	J	450	ug/Kg	8270C
Benzaldehyde		55	J	450	ug/Kg	8270C
Benzo[a]anthracene		220	J	450	ug/Kg	8270C
Benzo[a]pyrene		170	J	450	ug/Kg	8270C
Benzo[b]fluoranthene		210	J	450	ug/Kg	8270C
Benzo[g,h,i]perylene		120	J	450	ug/Kg	8270C
Benzo[k]fluoranthene		97	J	450	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		54	J B *	450	ug/Kg	8270C
Carbazole		39	J	450	ug/Kg	8270C
Chrysene		200	J	450	ug/Kg	8270C
Dibenz(a,h)anthracene		23	J	450	ug/Kg	8270C
Dibenzofuran		37	J	450	ug/Kg	8270C
Di-n-butyl phthalate		22	J B	450	ug/Kg	8270C
Fluoranthene		500		450	ug/Kg	8270C
Fluorene		78	J	450	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		90	J	450	ug/Kg	8270C
Naphthalene		38	J	450	ug/Kg	8270C
Phenanthrene		440	J	450	ug/Kg	8270C
Pyrene		350	J	450	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		20	B	12	mg/Kg	WI-DRO
Barium		96	B	26	mg/Kg	6010B
Cadmium		0.14	J	0.26	mg/Kg	6010B
Chromium		16		0.64	mg/Kg	6010B
Arsenic		5.7		1.3	mg/Kg	6010B
Lead		8.3		0.39	mg/Kg	6010B
Selenium		1.1		0.64	mg/Kg	6010B
Percent Solids		73		0.10	%	Moisture
Percent Moisture		27		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-4	**ASB-181_6-8(20110909)**					
Carbon disulfide		75	J	290	ug/Kg	8260B
Methyl acetate		500	J	570	ug/Kg	8260B
Naphthalene		29	J	290	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		190		120	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		56	B	10	mg/Kg	WI-DRO
Aluminum		12000		24	mg/Kg	6010B
Antimony		3.9		1.2	mg/Kg	6010B
Barium		130	B	24	mg/Kg	6010B
Beryllium		0.86		0.60	mg/Kg	6010B
Calcium		4600	B	600	mg/Kg	6010B
Cadmium		0.14	J	0.24	mg/Kg	6010B
Cobalt		18		6.0	mg/Kg	6010B
Chromium		19		0.60	mg/Kg	6010B
Copper		16		3.0	mg/Kg	6010B
Iron		21000		12	mg/Kg	6010B
Potassium		2500	B	600	mg/Kg	6010B
Magnesium		3700	B	600	mg/Kg	6010B
Manganese		200	B	1.8	mg/Kg	6010B
Sodium		300	J	600	mg/Kg	6010B
Nickel		30		4.8	mg/Kg	6010B
Vanadium		27		6.0	mg/Kg	6010B
Zinc		64		2.4	mg/Kg	6010B
Arsenic		6.8		1.2	mg/Kg	6010B
Lead		66		0.36	mg/Kg	6010B
Selenium		0.54	J	0.60	mg/Kg	6010B
Mercury		0.052	J	0.088	mg/Kg	7471A
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-5	**ASB-183_0-2(20110909)**					
Methyl acetate		73	J	480	ug/Kg	8260B
m-Xylene & p-Xylene		6.9	J	480	ug/Kg	8260B
Naphthalene		10	J	240	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		2.1	J	11	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		190	B	87	mg/Kg	WI-DRO
Aluminum		2400		20	mg/Kg	6010B
Barium		19	J B	20	mg/Kg	6010B
Beryllium		0.23	J	0.51	mg/Kg	6010B
Calcium		110000	B	2500	mg/Kg	6010B
Cadmium		0.11	J	0.20	mg/Kg	6010B
Cobalt		3.9	J	5.1	mg/Kg	6010B
Chromium		5.5		0.51	mg/Kg	6010B
Copper		9.5		2.5	mg/Kg	6010B
Iron		10000		10	mg/Kg	6010B
Potassium		620	B	510	mg/Kg	6010B
Magnesium		59000	B	2500	mg/Kg	6010B
Manganese		810	B	7.6	mg/Kg	6010B
Silver		0.10	J	0.51	mg/Kg	6010B
Sodium		180	J	510	mg/Kg	6010B
Nickel		15		4.0	mg/Kg	6010B
Vanadium		15		5.1	mg/Kg	6010B
Zinc		31		2.0	mg/Kg	6010B
Arsenic		2.6		1.0	mg/Kg	6010B
Lead		8.9		0.30	mg/Kg	6010B
Percent Solids		95		0.10	%	Moisture
Percent Moisture		5.0		0.10	%	Moisture
240-3807-6	**ASB-185_0-2(20110909)**					
Methyl acetate		47	J	450	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		98	J B *	350	ug/Kg	8270C
Chrysene		12	J	350	ug/Kg	8270C
Di-n-butyl phthalate		19	J B	350	ug/Kg	8270C
Pyrene		14	J	350	ug/Kg	8270C
Barium		61	B	21	mg/Kg	6010B
Cadmium		0.066	J	0.21	mg/Kg	6010B
Chromium		8.9		0.52	mg/Kg	6010B
Arsenic		3.2		1.0	mg/Kg	6010B
Lead		4.4		0.31	mg/Kg	6010B
Mercury		0.020	J	0.080	mg/Kg	7471A
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-7	**ASB-185_4-6(20110909)**					
Bis(2-ethylhexyl) phthalate		42	J B *	420	ug/Kg	8270C
Barium		27	B	24	mg/Kg	6010B
Chromium		19		0.61	mg/Kg	6010B
Arsenic		4.5		1.2	mg/Kg	6010B
Lead		2.6		0.37	mg/Kg	6010B
Mercury		0.023	J	0.11	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-3807-8	**ASB-186_0-2(20110909)**					
Methyl acetate		500		500	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		35	J B *	340	ug/Kg	8270C
Barium		39	B	17	mg/Kg	6010B
Chromium		14		0.43	mg/Kg	6010B
Arsenic		2.8		0.85	mg/Kg	6010B
Lead		2.7		0.26	mg/Kg	6010B
Percent Solids		96		0.10	%	Moisture
Percent Moisture		4.5		0.10	%	Moisture
240-3807-9	**ASB-186_4-6(20110909)**					
Bis(2-ethylhexyl) phthalate		59	J B *	420	ug/Kg	8270C
Barium		20	J B	23	mg/Kg	6010B
Chromium		15		0.57	mg/Kg	6010B
Arsenic		4.7		1.1	mg/Kg	6010B
Lead		2.7		0.34	mg/Kg	6010B
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-3807-10	**ASB-187_2-4(20110909)**					
Bis(2-ethylhexyl) phthalate		35	J B *	370	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		4.3	J B	9.8	mg/Kg	WI-DRO
Barium		54	B	21	mg/Kg	6010B
Cadmium		0.094	J	0.21	mg/Kg	6010B
Chromium		11		0.52	mg/Kg	6010B
Arsenic		4.3		1.0	mg/Kg	6010B
Lead		2.8		0.31	mg/Kg	6010B
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-11	**ASB-188_0-2(20110912)**					
Lead		12		0.30	mg/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-3807-12	**ASB-188_4-6(20110912)**					
Lead		8.8		0.27	mg/Kg	6010B
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
TCLP						
Lead		0.0025	J B	0.50	mg/L	6010B
240-3807-14	**ASB-189_0-2(20110912)**					
Lead		16		0.33	mg/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-3807-15	**ASB-189_4-6(20110912)**					
Lead		2.5		0.31	mg/Kg	6010B
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.0		0.10	%	Moisture
240-3807-17	**ASB-190_0-2(20110912)**					
Lead		12		0.26	mg/Kg	6010B
Percent Solids		96		0.10	%	Moisture
Percent Moisture		3.6		0.10	%	Moisture
TCLP						
Lead		0.0043	J B	0.50	mg/L	6010B
240-3807-18	**ASB-190_8-10(20110912)**					
Lead		4.9		0.32	mg/Kg	6010B
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-20	**ASB-191_0-2(20110912)**					
Lead		2.5		0.33	mg/Kg	6010B
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
TCLP						
Lead		0.0033	J B	0.50	mg/L	6010B
240-3807-21	**ASB-191_4-6(20110912)**					
Lead		9.2		0.32	mg/Kg	6010B
Percent Solids		91		0.10	%	Moisture
Percent Moisture		8.6		0.10	%	Moisture
240-3807-23	**ASB-192_0-2(20110912)**					
Lead		4.4		0.31	mg/Kg	6010B
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-3807-24	**ASB-192_4-6(20110912)**					
Lead		3.8		0.30	mg/Kg	6010B
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-26	**ASB-195_6-8(20110912)**					
1,2,4-Trimethylbenzene		33	J	190	ug/Kg	8260B
1,3,5-Trimethylbenzene		12	J	190	ug/Kg	8260B
Ethylbenzene		5.9	J	190	ug/Kg	8260B
Methyl acetate		270	J	380	ug/Kg	8260B
Methylcyclohexane		19	J	380	ug/Kg	8260B
m-Xylene & p-Xylene		21	J	380	ug/Kg	8260B
Naphthalene		290		190	ug/Kg	8260B
n-Butylbenzene		16	J	190	ug/Kg	8260B
o-Xylene		11	J	190	ug/Kg	8260B
p-Isopropyltoluene		5.3	J	190	ug/Kg	8260B
2-Methylnaphthalene		1000	J	8700	ug/Kg	8270C
Anthracene		710	J	8700	ug/Kg	8270C
Benzo[a]anthracene		3500	J	8700	ug/Kg	8270C
Benzo[a]pyrene		3500	J	8700	ug/Kg	8270C
Benzo[b]fluoranthene		5000	J	8700	ug/Kg	8270C
Benzo[g,h,i]perylene		2000	J	8700	ug/Kg	8270C
Benzo[k]fluoranthene		900	J	8700	ug/Kg	8270C
Chrysene		3600	J	8700	ug/Kg	8270C
Dibenz(a,h)anthracene		720	J	8700	ug/Kg	8270C
Dibenzofuran		200	J	8700	ug/Kg	8270C
Fluoranthene		5700	J	8700	ug/Kg	8270C
Fluorene		350	J	8700	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		1600	J	8700	ug/Kg	8270C
Naphthalene		110	J	8700	ug/Kg	8270C
Phenanthrene		2200	J	8700	ug/Kg	8270C
Pyrene		5100	J	8700	ug/Kg	8270C
Barium		47	B	21	mg/Kg	6010B
Chromium		12		0.52	mg/Kg	6010B
Arsenic		3.8	B	1.0	mg/Kg	6010B
Lead		31		0.31	mg/Kg	6010B
Mercury		0.016	J	0.097	mg/Kg	7471A
Percent Solids		95		0.10	%	Moisture
Percent Moisture		5.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-27	**ASB-195_8-10(20110912)**					
1,2,4-Trimethylbenzene		34	J	250	ug/Kg	8260B
1,3,5-Trimethylbenzene		11	J	250	ug/Kg	8260B
Methyl acetate		290	J	500	ug/Kg	8260B
Methylcyclohexane		55	J	500	ug/Kg	8260B
m-Xylene & p-Xylene		12	J	500	ug/Kg	8260B
Naphthalene		45	J	250	ug/Kg	8260B
o-Xylene		12	J	250	ug/Kg	8260B
Tetrahydrofuran		49	J	1000	ug/Kg	8260B
Fluoranthene		210	J	17000	ug/Kg	8270C
Pyrene		180	J	17000	ug/Kg	8270C
Barium		46	B	20	mg/Kg	6010B
Chromium		9.0		0.50	mg/Kg	6010B
Arsenic		2.2	B	0.99	mg/Kg	6010B
Lead		16		0.30	mg/Kg	6010B
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.3		0.10	%	Moisture
240-3807-28	**ASB-193_1-2(20110912)**					
Methyl acetate		910		600	ug/Kg	8260B
Methylcyclohexane		18	J	600	ug/Kg	8260B
m-Xylene & p-Xylene		13	J	600	ug/Kg	8260B
Naphthalene		38	J	300	ug/Kg	8260B
2-Methylnaphthalene		4.5	J	390	ug/Kg	8270C
Anthracene		4.3	J	390	ug/Kg	8270C
Benzo[a]anthracene		26	J	390	ug/Kg	8270C
Benzo[a]pyrene		31	J	390	ug/Kg	8270C
Benzo[b]fluoranthene		40	J	390	ug/Kg	8270C
Benzo[g,h,i]perylene		24	J	390	ug/Kg	8270C
Benzo[k]fluoranthene		15	J	390	ug/Kg	8270C
Chrysene		34	J	390	ug/Kg	8270C
Fluoranthene		55	J	390	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		15	J	390	ug/Kg	8270C
Naphthalene		5.1	J	390	ug/Kg	8270C
Phenanthrene		20	J	390	ug/Kg	8270C
Pyrene		46	J	390	ug/Kg	8270C
Barium		90	B	23	mg/Kg	6010B
Chromium		11		0.59	mg/Kg	6010B
Arsenic		3.9	B	1.2	mg/Kg	6010B
Lead		23		0.35	mg/Kg	6010B
Mercury		0.065	J	0.083	mg/Kg	7471A
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-29	**ASB-194_10-12(20110912)**					
1,2,4-Trimethylbenzene		91	J	250	ug/Kg	8260B
1,3,5-Trimethylbenzene		37	J	250	ug/Kg	8260B
Carbon disulfide		55	J	250	ug/Kg	8260B
Ethylbenzene		17	J	250	ug/Kg	8260B
Isopropylbenzene		15	J	250	ug/Kg	8260B
Methyl acetate		600		500	ug/Kg	8260B
Methylcyclohexane		93	J	500	ug/Kg	8260B
m-Xylene & p-Xylene		60	J	500	ug/Kg	8260B
Naphthalene		270		250	ug/Kg	8260B
n-Butylbenzene		87	J	250	ug/Kg	8260B
N-Propylbenzene		26	J	250	ug/Kg	8260B
o-Xylene		46	J	250	ug/Kg	8260B
p-Isopropyltoluene		32	J	250	ug/Kg	8260B
sec-Butylbenzene		45	J	250	ug/Kg	8260B
Toluene		35	J	250	ug/Kg	8260B
2-Methylnaphthalene		340	J	3600	ug/Kg	8270C
Benzo[a]anthracene		170	J	3600	ug/Kg	8270C
Benzo[a]pyrene		630	J	3600	ug/Kg	8270C
Chrysene		340	J	3600	ug/Kg	8270C
Fluoranthene		160	J	3600	ug/Kg	8270C
Fluorene		100	J	3600	ug/Kg	8270C
Naphthalene		80	J	3600	ug/Kg	8270C
Phenanthrene		420	J	3600	ug/Kg	8270C
Pyrene		790	J	3600	ug/Kg	8270C
Barium		38	B	20	mg/Kg	6010B
Chromium		9.7		0.50	mg/Kg	6010B
Arsenic		3.1	B	1.0	mg/Kg	6010B
Lead		14		0.30	mg/Kg	6010B
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3807-30	**ASB-194_13-15(20110912)**					
Methyl acetate		410	J	660	ug/Kg	8260B
Benzo[a]anthracene		14	J	360	ug/Kg	8270C
Benzo[a]pyrene		14	J	360	ug/Kg	8270C
Benzo[b]fluoranthene		17	J	360	ug/Kg	8270C
Benzo[g,h,i]perylene		11	J	360	ug/Kg	8270C
Benzo[k]fluoranthene		6.7	J	360	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		21	J	360	ug/Kg	8270C
Chrysene		16	J	360	ug/Kg	8270C
Fluoranthene		22	J	360	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		8.4	J	360	ug/Kg	8270C
Phenanthrene		7.5	J	360	ug/Kg	8270C
Pyrene		25	J	360	ug/Kg	8270C
Barium		53	B	22	mg/Kg	6010B
Chromium		12		0.54	mg/Kg	6010B
Arsenic		5.6	B	1.1	mg/Kg	6010B
Lead		4.6		0.33	mg/Kg	6010B
Cyanide, Free		33	J	66	ug/Kg	D4282_02
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.6		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Metals (ICP)	TAL NC	SW846 6010B	
TCLP Extraction			SW846 1311
Preparation, Total Metals			SW846 3010A
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	
Cyanide, Free	TAL CT	ASTM D4282_02	
Cyanide, Free			ASTM D4282_02
Matrix WQ			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B

Lab References:

TAL CT = TestAmerica Connecticut

TAL NC = TestAmerica North Canton

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method	Analyst	Analyst ID
SW846 8260B	Evans, Laura	LE
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
SW846 8270C	Ulman, Mark	MU
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Davies, Brian	BD
SW846 6010B	Musselman, Natalie J	NJM
SW846 7471A	Sutherland, Aaron	AS
ASTM D4282_02	Mendoza, Julia	JM
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3807-1	ASB-174_4-6(20110907)	Solid	09/07/2011 1630	09/14/2011 1734
240-3807-2	ASB-182_2-4(20110909)	Solid	09/09/2011 1145	09/14/2011 1734
240-3807-2MS	ASB-182_2-4(20110909)	Solid	09/09/2011 1145	09/14/2011 1734
240-3807-2MSD	ASB-182_2-4(20110909)	Solid	09/09/2011 1145	09/14/2011 1734
240-3807-2DU	ASB-182_2-4(20110909)	Solid	09/09/2011 1145	09/14/2011 1734
240-3807-3	ASB-184_2-4(20110909)	Solid	09/09/2011 1305	09/14/2011 1734
240-3807-4	ASB-181_6-8(20110909)	Solid	09/09/2011 1405	09/14/2011 1734
240-3807-5	ASB-183_0-2(20110909)	Solid	09/09/2011 1445	09/14/2011 1734
240-3807-6	ASB-185_0-2(20110909)	Solid	09/09/2011 1548	09/14/2011 1734
240-3807-7	ASB-185_4-6(20110909)	Solid	09/09/2011 1550	09/14/2011 1734
240-3807-8	ASB-186_0-2(20110909)	Solid	09/09/2011 1620	09/14/2011 1734
240-3807-9	ASB-186_4-6(20110909)	Solid	09/09/2011 1622	09/14/2011 1734
240-3807-10	ASB-187_2-4(20110909)	Solid	09/09/2011 1755	09/14/2011 1734
240-3807-11	ASB-188_0-2(20110912)	Solid	09/12/2011 0940	09/14/2011 1734
240-3807-12	ASB-188_4-6(20110912)	Solid	09/12/2011 0945	09/14/2011 1734
240-3807-14	ASB-189_0-2(20110912)	Solid	09/12/2011 1040	09/14/2011 1734
240-3807-15	ASB-189_4-6(20110912)	Solid	09/12/2011 1045	09/14/2011 1734
240-3807-17	ASB-190_0-2(20110912)	Solid	09/12/2011 1115	09/14/2011 1734
240-3807-18	ASB-190_8-10(20110912)	Solid	09/12/2011 1120	09/14/2011 1734
240-3807-20	ASB-191_0-2(20110912)	Solid	09/12/2011 1150	09/14/2011 1734
240-3807-21	ASB-191_4-6(20110912)	Solid	09/12/2011 1155	09/14/2011 1734
240-3807-23	ASB-192_0-2(20110912)	Solid	09/12/2011 1230	09/14/2011 1734
240-3807-24	ASB-192_4-6(20110912)	Solid	09/12/2011 1235	09/14/2011 1734
240-3807-26	ASB-195_6-8(20110912)	Solid	09/12/2011 1355	09/14/2011 1734
240-3807-27	ASB-195_8-10(20110912)	Solid	09/12/2011 1405	09/14/2011 1734
240-3807-28	ASB-193_1-2(20110912)	Solid	09/12/2011 1420	09/14/2011 1734
240-3807-28MS	ASB-193_1-2(20110912)	Solid	09/12/2011 1420	09/14/2011 1734
240-3807-28MSD	ASB-193_1-2(20110912)	Solid	09/12/2011 1420	09/14/2011 1734
240-3807-28DU	ASB-193_1-2(20110912)	Solid	09/12/2011 1420	09/14/2011 1734
240-3807-29	ASB-194_10-12(20110912)	Solid	09/12/2011 1515	09/14/2011 1734
240-3807-30	ASB-194_13-15(20110912)	Solid	09/12/2011 1520	09/14/2011 1734
240-3807-31TB	TRIP BLANK	WQ	09/12/2011 0000	09/14/2011 1734

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-174_4-6(20110907)**

Lab Sample ID: 240-3807-1 Date Sampled: 09/07/2011 1630
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141029.D
Dilution:	1.0			Initial Weight/Volume:	10.551 g
Analysis Date:	09/20/2011 1609			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		14	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.3	280
1,2,4-Trimethylbenzene		ND		5.7	280
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.8	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.3	280
1,3,5-Trimethylbenzene		ND		6.6	280
1,3-Dichlorobenzene		ND		5.5	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.1	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		23	1100
Allyl chloride		ND		60	570
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		55	1100
Acetone		ND		190	1100
Benzene		ND		14	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		22	280
Bromomethane		ND		33	280
Carbon disulfide		ND		14	280
Carbon tetrachloride		ND		7.3	280
Chlorobenzene		ND		7.3	280
Chloroethane		ND		69	280
Chloroform		ND		10	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.9	280
cis-1,3-Dichloropropene		ND		9.0	280
Cyclohexane		ND		46	570
Chlorodibromomethane		ND		14	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-174_4-6(20110907)**

Lab Sample ID: 240-3807-1 Date Sampled: 09/07/2011 1630
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141029.D
Dilution:	1.0			Initial Weight/Volume:	10.551 g
Analysis Date:	09/20/2011 1609			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	570
Ethyl ether		ND		17	570
Ethylbenzene		ND		6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.4	280
Methyl acetate		230	J	28	570
Methyl tert butyl ether		ND		8.1	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		88	280
m-Xylene & p-Xylene		ND		7.1	570
Naphthalene		12	J	7.6	280
n-Butylbenzene		ND		9.1	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.7	280
p-Isopropyltoluene		ND		5.5	280
sec-Butylbenzene		ND		5.4	280
Styrene		ND		6.4	280
tert-Butylbenzene		ND		7.4	280
Tetrachloroethene		ND		14	280
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		23	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	76		26 - 141
Dibromofluoromethane (Surr)	66		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-182_2-4(20110909)**

Lab Sample ID: 240-3807-2 Date Sampled: 09/09/2011 1145
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16142	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141056.D
Dilution:	50			Initial Weight/Volume:	10.8 g
Analysis Date:	09/21/2011 1239			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		540	15000
1,1,1-Trichloroethane		ND		1200	15000
1,1,2,2-Tetrachloroethane		ND		520	15000
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2300	15000
1,1,2-Trichloroethane		ND		710	15000
1,1-Dichloroethane		ND		1000	15000
1,1-Dichloroethene		ND		1100	15000
1,1-Dichloropropene		ND		590	15000
1,2,3-Trichlorobenzene		ND		590	15000
1,2,3-Trichloropropane		ND		1200	15000
1,2,4-Trichlorobenzene		ND		430	15000
1,2,4-Trimethylbenzene		170000		290	15000
1,2-Dibromo-3-Chloropropane		ND		2900	29000
1,2-Dibromoethane		ND		590	15000
1,2-Dichlorobenzene		ND		510	15000
1,2-Dichloroethane		ND		590	15000
1,2-Dichloropropane		ND		480	15000
1,3,5-Trimethylbenzene		37000		340	15000
1,3-Dichlorobenzene		ND		280	15000
1,3-Dichloropropane		ND		1300	15000
1,4-Dichlorobenzene		ND		470	15000
2,2-Dichloropropane		ND		1400	15000
2-Butanone (MEK)		ND		2500	59000
2-Chlorotoluene		ND		530	15000
2-Hexanone		ND		1200	59000
Allyl chloride		ND		3100	29000
4-Chlorotoluene		ND		580	15000
4-Methyl-2-pentanone (MIBK)		ND		2800	59000
Acetone		ND		10000	59000
Benzene		ND		710	15000
Bromobenzene		ND		760	15000
Bromochloromethane		ND		760	15000
Bromodichloromethane		ND		580	15000
Bromoform		ND		1100	15000
Bromomethane		ND		1700	15000
Carbon disulfide		ND		710	15000
Carbon tetrachloride		ND		380	15000
Chlorobenzene		ND		380	15000
Chloroethane		ND		3600	15000
Chloroform		ND		520	15000
Chloromethane		ND		820	15000
cis-1,2-Dichloroethene		2600	J	410	15000
cis-1,3-Dichloropropene		ND		460	15000
Cyclohexane		ND		2400	29000
Chlorodibromomethane		ND		710	15000
Dibromomethane		ND		820	15000

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-182_2-4(20110909)**

Lab Sample ID: 240-3807-2 Date Sampled: 09/09/2011 1145
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16142	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141056.D
Dilution:	50			Initial Weight/Volume:	10.8 g
Analysis Date:	09/21/2011 1239			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		940	15000
Dichlorofluoromethane		ND		1500	29000
Ethyl ether		ND		880	29000
Ethylbenzene		120000		320	15000
Hexachlorobutadiene		ND		820	15000
Isopropylbenzene		5500	J	380	15000
Methyl acetate		3400	J	1500	29000
Methyl tert butyl ether		ND		420	59000
Methylcyclohexane		7100	J	710	29000
Methylene Chloride		ND		4500	15000
m-Xylene & p-Xylene		340000		360	29000
Naphthalene		380000		390	15000
n-Butylbenzene		98000		470	15000
N-Propylbenzene		16000		820	15000
o-Xylene		150000		500	15000
p-Isopropyltoluene		6600	J	280	15000
sec-Butylbenzene		8500	J	280	15000
Styrene		ND		330	15000
tert-Butylbenzene		ND		380	15000
Tetrachloroethene		ND		710	15000
Tetrahydrofuran		ND		2900	59000
Toluene		56000		1000	15000
trans-1,2-Dichloroethene		ND		540	15000
trans-1,3-Dichloropropene		ND		1200	15000
Trichloroethene		ND		570	15000
Trichlorofluoromethane		ND		940	15000
Vinyl chloride		ND		1100	15000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	140	X	39 - 128
4-Bromofluorobenzene (Surr)	256	X	26 - 141
Dibromofluoromethane (Surr)	179	X	30 - 122
Toluene-d8 (Surr)	196	X	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141030.D
Dilution:	1.0			Initial Weight/Volume:	11.496 g
Analysis Date:	09/20/2011 1631			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		46	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		21	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.7	300
1,2,4-Trimethylbenzene		ND		5.9	300
1,2-Dibromo-3-Chloropropane		ND		59	590
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.7	300
1,3,5-Trimethylbenzene		ND		6.9	300
1,3-Dichlorobenzene		ND		5.7	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.5	300
2,2-Dichloropropane		ND		27	300
2-Butanone (MEK)		ND		51	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		63	590
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		57	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		15	300
Bromochloromethane		ND		15	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		34	300
Carbon disulfide		54	J	14	300
Carbon tetrachloride		ND		7.6	300
Chlorobenzene		ND		7.6	300
Chloroethane		ND		72	300
Chloroform		ND		10	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.2	300
cis-1,3-Dichloropropene		ND		9.4	300
Cyclohexane		ND		47	590
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141030.D
Dilution:	1.0			Initial Weight/Volume:	11.496 g
Analysis Date:	09/20/2011 1631			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	590
Ethyl ether		ND		18	590
Ethylbenzene		ND		6.4	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.7	300
Methyl acetate		420	J	30	590
Methyl tert butyl ether		ND		8.4	1200
Methylcyclohexane		ND		14	590
Methylene Chloride		ND		91	300
m-Xylene & p-Xylene		ND		7.4	590
Naphthalene		29	J	7.9	300
n-Butylbenzene		ND		9.5	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.7	300
sec-Butylbenzene		ND		5.6	300
Styrene		ND		6.6	300
tert-Butylbenzene		ND		7.7	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		58	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		21	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	65		39 - 128
4-Bromofluorobenzene (Surr)	62		26 - 141
Dibromofluoromethane (Surr)	55		30 - 122
Toluene-d8 (Surr)	68		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-181_6-8(20110909)**

Lab Sample ID: 240-3807-4 Date Sampled: 09/09/2011 1405
Client Matrix: Solid % Moisture: 18.4 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141031.D
Dilution:	1.0			Initial Weight/Volume:	10.71 g
Analysis Date:	09/20/2011 1652			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		19	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		11	290
1,2,3-Trichlorobenzene		ND		11	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.4	290
1,2,4-Trimethylbenzene		ND		5.7	290
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	290
1,2-Dichlorobenzene		ND		9.8	290
1,2-Dichloroethane		ND		11	290
1,2-Dichloropropane		ND		9.4	290
1,3,5-Trimethylbenzene		ND		6.6	290
1,3-Dichlorobenzene		ND		5.5	290
1,3-Dichloropropane		ND		25	290
1,4-Dichlorobenzene		ND		9.2	290
2,2-Dichloropropane		ND		26	290
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1100
Allyl chloride		ND		61	570
4-Chlorotoluene		ND		11	290
4-Methyl-2-pentanone (MIBK)		ND		55	1100
Acetone		ND		190	1100
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		11	290
Bromoform		ND		22	290
Bromomethane		ND		33	290
Carbon disulfide		75	J	14	290
Carbon tetrachloride		ND		7.3	290
Chlorobenzene		ND		7.3	290
Chloroethane		ND		70	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		7.9	290
cis-1,3-Dichloropropene		ND		9.0	290
Cyclohexane		ND		46	570
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-181_6-8(20110909)**

Lab Sample ID: 240-3807-4 Date Sampled: 09/09/2011 1405
Client Matrix: Solid % Moisture: 18.4 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141031.D
Dilution:	1.0			Initial Weight/Volume:	10.71 g
Analysis Date:	09/20/2011 1652			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	290
Dichlorofluoromethane		ND		29	570
Ethyl ether		ND		17	570
Ethylbenzene		ND		6.2	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.4	290
Methyl acetate		500	J	29	570
Methyl tert butyl ether		ND		8.1	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		88	290
m-Xylene & p-Xylene		ND		7.1	570
Naphthalene		29	J	7.7	290
n-Butylbenzene		ND		9.2	290
N-Propylbenzene		ND		16	290
o-Xylene		ND		9.7	290
p-Isopropyltoluene		ND		5.5	290
sec-Butylbenzene		ND		5.4	290
Styrene		ND		6.4	290
tert-Butylbenzene		ND		7.4	290
Tetrachloroethene		ND		14	290
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		18	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	74		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-183_0-2(20110909)**

Lab Sample ID: 240-3807-5 Date Sampled: 09/09/2011 1445
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141032.D
Dilution:	1.0			Initial Weight/Volume:	10.967 g
Analysis Date:	09/20/2011 1714			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.7	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.5	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		37	240
1,1,2-Trichloroethane		ND		12	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.6	240
1,2,3-Trichlorobenzene		ND		9.6	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		7.0	240
1,2,4-Trimethylbenzene		ND		4.8	240
1,2-Dibromo-3-Chloropropane		ND		48	480
1,2-Dibromoethane		ND		9.6	240
1,2-Dichlorobenzene		ND		8.3	240
1,2-Dichloroethane		ND		9.6	240
1,2-Dichloropropane		ND		7.9	240
1,3,5-Trimethylbenzene		ND		5.6	240
1,3-Dichlorobenzene		ND		4.6	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.7	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		41	960
2-Chlorotoluene		ND		8.6	240
2-Hexanone		ND		19	960
Allyl chloride		ND		51	480
4-Chlorotoluene		ND		9.5	240
4-Methyl-2-pentanone (MIBK)		ND		46	960
Acetone		ND		160	960
Benzene		ND		12	240
Bromobenzene		ND		12	240
Bromochloromethane		ND		12	240
Bromodichloromethane		ND		9.5	240
Bromoform		ND		18	240
Bromomethane		ND		28	240
Carbon disulfide		ND		12	240
Carbon tetrachloride		ND		6.1	240
Chlorobenzene		ND		6.1	240
Chloroethane		ND		59	240
Chloroform		ND		8.4	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.6	240
cis-1,3-Dichloropropene		ND		7.6	240
Cyclohexane		ND		38	480
Chlorodibromomethane		ND		12	240
Dibromomethane		ND		13	240

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-183_0-2(20110909)**

Lab Sample ID: 240-3807-5 Date Sampled: 09/09/2011 1445
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141032.D
Dilution:	1.0			Initial Weight/Volume:	10.967 g
Analysis Date:	09/20/2011 1714			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	240
Dichlorofluoromethane		ND		24	480
Ethyl ether		ND		14	480
Ethylbenzene		ND		5.2	240
Hexachlorobutadiene		ND		13	240
Isopropylbenzene		ND		6.2	240
Methyl acetate		73	J	24	480
Methyl tert butyl ether		ND		6.8	960
Methylcyclohexane		ND		12	480
Methylene Chloride		ND		74	240
m-Xylene & p-Xylene		6.9	J	6.0	480
Naphthalene		10	J	6.4	240
n-Butylbenzene		ND		7.7	240
N-Propylbenzene		ND		13	240
o-Xylene		ND		8.2	240
p-Isopropyltoluene		ND		4.6	240
sec-Butylbenzene		ND		4.5	240
Styrene		ND		5.4	240
tert-Butylbenzene		ND		6.2	240
Tetrachloroethene		ND		12	240
Tetrahydrofuran		ND		47	960
Toluene		ND		16	240
trans-1,2-Dichloroethene		ND		8.8	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.3	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND		17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		39 - 128
4-Bromofluorobenzene (Surr)	77		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	80		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141033.D
Dilution:	1.0			Initial Weight/Volume:	11.939 g
Analysis Date:	09/20/2011 1735			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.2	230
1,1,1-Trichloroethane		ND		19	230
1,1,2,2-Tetrachloroethane		ND		8.0	230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		35	230
1,1,2-Trichloroethane		ND		11	230
1,1-Dichloroethane		ND		15	230
1,1-Dichloroethene		ND		16	230
1,1-Dichloropropene		ND		9.0	230
1,2,3-Trichlorobenzene		ND		9.0	230
1,2,3-Trichloropropane		ND		19	230
1,2,4-Trichlorobenzene		ND		6.6	230
1,2,4-Trimethylbenzene		ND		4.5	230
1,2-Dibromo-3-Chloropropane		ND		45	450
1,2-Dibromoethane		ND		9.0	230
1,2-Dichlorobenzene		ND		7.8	230
1,2-Dichloroethane		ND		9.0	230
1,2-Dichloropropane		ND		7.4	230
1,3,5-Trimethylbenzene		ND		5.2	230
1,3-Dichlorobenzene		ND		4.3	230
1,3-Dichloropropane		ND		20	230
1,4-Dichlorobenzene		ND		7.2	230
2,2-Dichloropropane		ND		21	230
2-Butanone (MEK)		ND		39	900
2-Chlorotoluene		ND		8.1	230
2-Hexanone		ND		18	900
Allyl chloride		ND		48	450
4-Chlorotoluene		ND		8.9	230
4-Methyl-2-pentanone (MIBK)		ND		43	900
Acetone		ND		150	900
Benzene		ND		11	230
Bromobenzene		ND		12	230
Bromochloromethane		ND		12	230
Bromodichloromethane		ND		8.9	230
Bromoform		ND		17	230
Bromomethane		ND		26	230
Carbon disulfide		ND		11	230
Carbon tetrachloride		ND		5.8	230
Chlorobenzene		ND		5.8	230
Chloroethane		ND		55	230
Chloroform		ND		8.0	230
Chloromethane		ND		13	230
cis-1,2-Dichloroethene		ND		6.2	230
cis-1,3-Dichloropropene		ND		7.1	230
Cyclohexane		ND		36	450
Chlorodibromomethane		ND		11	230
Dibromomethane		ND		13	230

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141033.D
Dilution:	1.0			Initial Weight/Volume:	11.939 g
Analysis Date:	09/20/2011 1735			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		14	230
Dichlorofluoromethane		ND		23	450
Ethyl ether		ND		14	450
Ethylbenzene		ND		4.9	230
Hexachlorobutadiene		ND		13	230
Isopropylbenzene		ND		5.9	230
Methyl acetate		47	J	23	450
Methyl tert butyl ether		ND		6.4	900
Methylcyclohexane		ND		11	450
Methylene Chloride		ND		70	230
m-Xylene & p-Xylene		ND		5.6	450
Naphthalene		ND		6.1	230
n-Butylbenzene		ND		7.2	230
N-Propylbenzene		ND		13	230
o-Xylene		ND		7.7	230
p-Isopropyltoluene		ND		4.3	230
sec-Butylbenzene		ND		4.2	230
Styrene		ND		5.1	230
tert-Butylbenzene		ND		5.9	230
Tetrachloroethene		ND		11	230
Tetrahydrofuran		ND		44	900
Toluene		ND		15	230
trans-1,2-Dichloroethene		ND		8.3	230
trans-1,3-Dichloropropene		ND		18	230
Trichloroethene		ND		8.8	230
Trichlorofluoromethane		ND		14	230
Vinyl chloride		ND		16	230

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		39 - 128
4-Bromofluorobenzene (Surr)	78		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	79		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141034.D
Dilution:	1.0			Initial Weight/Volume:	10.504 g
Analysis Date:	09/20/2011 1756			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		47	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		21	300
1,1-Dichloroethene		ND		22	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.8	300
1,2,4-Trimethylbenzene		ND		6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.9	300
1,3,5-Trimethylbenzene		ND		7.0	300
1,3-Dichlorobenzene		ND		5.8	300
1,3-Dichloropropane		ND		27	300
1,4-Dichlorobenzene		ND		9.7	300
2,2-Dichloropropane		ND		28	300
2-Butanone (MEK)		ND		52	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		64	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		58	1200
Acetone		ND		210	1200
Benzene		ND		14	300
Bromobenzene		ND		16	300
Bromochloromethane		ND		16	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.7	300
Chlorobenzene		ND		7.7	300
Chloroethane		ND		74	300
Chloroform		ND		11	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.3	300
cis-1,3-Dichloropropene		ND		9.5	300
Cyclohexane		ND		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141034.D
Dilution:	1.0			Initial Weight/Volume:	10.504 g
Analysis Date:	09/20/2011 1756			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		ND		6.5	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.8	300
Methyl acetate		ND		30	600
Methyl tert butyl ether		ND		8.6	1200
Methylcyclohexane		ND		14	600
Methylene Chloride		ND		93	300
m-Xylene & p-Xylene		ND		7.5	600
Naphthalene		ND		8.1	300
n-Butylbenzene		ND		9.7	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.8	300
sec-Butylbenzene		ND		5.7	300
Styrene		ND		6.8	300
tert-Butylbenzene		ND		7.8	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		59	1200
Toluene		ND		21	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		22	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	73		39 - 128
4-Bromofluorobenzene (Surr)	72		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141035.D
Dilution:	1.0			Initial Weight/Volume:	10.502 g
Analysis Date:	09/20/2011 1818			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141035.D
Dilution:	1.0			Initial Weight/Volume:	10.502 g
Analysis Date:	09/20/2011 1818			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		500		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83		39 - 128
4-Bromofluorobenzene (Surr)	81		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	83		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141036.D
Dilution:	1.0			Initial Weight/Volume:	10.757 g
Analysis Date:	09/20/2011 1839			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		46	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		21	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.7	300
1,2,4-Trimethylbenzene		ND		5.9	300
1,2-Dibromo-3-Chloropropane		ND		59	590
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.7	300
1,3,5-Trimethylbenzene		ND		6.9	300
1,3-Dichlorobenzene		ND		5.7	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.5	300
2,2-Dichloropropane		ND		27	300
2-Butanone (MEK)		ND		51	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		63	590
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		57	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		15	300
Bromochloromethane		ND		15	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		34	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.6	300
Chlorobenzene		ND		7.6	300
Chloroethane		ND		72	300
Chloroform		ND		10	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.2	300
cis-1,3-Dichloropropene		ND		9.4	300
Cyclohexane		ND		47	590
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141036.D
Dilution:	1.0			Initial Weight/Volume:	10.757 g
Analysis Date:	09/20/2011 1839			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	590
Ethyl ether		ND		18	590
Ethylbenzene		ND		6.4	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.7	300
Methyl acetate		ND		30	590
Methyl tert butyl ether		ND		8.4	1200
Methylcyclohexane		ND		14	590
Methylene Chloride		ND		91	300
m-Xylene & p-Xylene		ND		7.4	590
Naphthalene		ND		8.0	300
n-Butylbenzene		ND		9.5	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.7	300
sec-Butylbenzene		ND		5.6	300
Styrene		ND		6.6	300
tert-Butylbenzene		ND		7.7	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		58	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		21	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71		39 - 128
4-Bromofluorobenzene (Surr)	74		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	74		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141037.D
Dilution:	1.0			Initial Weight/Volume:	10.835 g
Analysis Date:	09/20/2011 1900			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.3	260
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.1	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	260
1,1,2-Trichloroethane		ND		12	260
1,1-Dichloroethane		ND		17	260
1,1-Dichloroethene		ND		18	260
1,1-Dichloropropene		ND		10	260
1,2,3-Trichlorobenzene		ND		10	260
1,2,3-Trichloropropane		ND		22	260
1,2,4-Trichlorobenzene		ND		7.5	260
1,2,4-Trimethylbenzene		ND		5.1	260
1,2-Dibromo-3-Chloropropane		ND		51	510
1,2-Dibromoethane		ND		10	260
1,2-Dichlorobenzene		ND		8.8	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.4	260
1,3,5-Trimethylbenzene		ND		6.0	260
1,3-Dichlorobenzene		ND		4.9	260
1,3-Dichloropropane		ND		23	260
1,4-Dichlorobenzene		ND		8.2	260
2,2-Dichloropropane		ND		24	260
2-Butanone (MEK)		ND		44	1000
2-Chlorotoluene		ND		9.2	260
2-Hexanone		ND		21	1000
Allyl chloride		ND		54	510
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		49	1000
Acetone		ND		170	1000
Benzene		ND		12	260
Bromobenzene		ND		13	260
Bromochloromethane		ND		13	260
Bromodichloromethane		ND		10	260
Bromoform		ND		19	260
Bromomethane		ND		30	260
Carbon disulfide		ND		12	260
Carbon tetrachloride		ND		6.6	260
Chlorobenzene		ND		6.6	260
Chloroethane		ND		63	260
Chloroform		ND		9.0	260
Chloromethane		ND		14	260
cis-1,2-Dichloroethene		ND		7.1	260
cis-1,3-Dichloropropene		ND		8.1	260
Cyclohexane		ND		41	510
Chlorodibromomethane		ND		12	260
Dibromomethane		ND		14	260

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141037.D
Dilution:	1.0			Initial Weight/Volume:	10.835 g
Analysis Date:	09/20/2011 1900			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	260
Dichlorofluoromethane		ND		26	510
Ethyl ether		ND		15	510
Ethylbenzene		ND		5.5	260
Hexachlorobutadiene		ND		14	260
Isopropylbenzene		ND		6.7	260
Methyl acetate		ND		26	510
Methyl tert butyl ether		ND		7.3	1000
Methylcyclohexane		ND		12	510
Methylene Chloride		ND		79	260
m-Xylene & p-Xylene		ND		6.4	510
Naphthalene		ND		6.9	260
n-Butylbenzene		ND		8.2	260
N-Propylbenzene		ND		14	260
o-Xylene		ND		8.7	260
p-Isopropyltoluene		ND		4.9	260
sec-Butylbenzene		ND		4.8	260
Styrene		ND		5.7	260
tert-Butylbenzene		ND		6.7	260
Tetrachloroethene		ND		12	260
Tetrahydrofuran		ND		50	1000
Toluene		ND		17	260
trans-1,2-Dichloroethene		ND		9.4	260
trans-1,3-Dichloropropene		ND		21	260
Trichloroethene		ND		10	260
Trichlorofluoromethane		ND		16	260
Vinyl chloride		ND		18	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	80		26 - 141
Dibromofluoromethane (Surr)	66		30 - 122
Toluene-d8 (Surr)	82		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_6-8(20110912)**

Lab Sample ID: 240-3807-26 Date Sampled: 09/12/2011 1355
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16142	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141057.D
Dilution:	1.0			Initial Weight/Volume:	13.87 g
Analysis Date:	09/21/2011 1301			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		6.9	190
1,1,1-Trichloroethane		ND		16	190
1,1,2,2-Tetrachloroethane		ND		6.8	190
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		30	190
1,1,2-Trichloroethane		ND		9.1	190
1,1-Dichloroethane		ND		13	190
1,1-Dichloroethene		ND		14	190
1,1-Dichloropropene		ND		7.6	190
1,2,3-Trichlorobenzene		ND		7.6	190
1,2,3-Trichloropropane		ND		16	190
1,2,4-Trichlorobenzene		ND		5.5	190
1,2,4-Trimethylbenzene		33	J	3.8	190
1,2-Dibromo-3-Chloropropane		ND		38	380
1,2-Dibromoethane		ND		7.6	190
1,2-Dichlorobenzene		ND		6.5	190
1,2-Dichloroethane		ND		7.6	190
1,2-Dichloropropane		ND		6.2	190
1,3,5-Trimethylbenzene		12	J	4.4	190
1,3-Dichlorobenzene		ND		3.6	190
1,3-Dichloropropane		ND		17	190
1,4-Dichlorobenzene		ND		6.1	190
2,2-Dichloropropane		ND		17	190
2-Butanone (MEK)		ND		33	760
2-Chlorotoluene		ND		6.8	190
2-Hexanone		ND		15	760
Allyl chloride		ND		40	380
4-Chlorotoluene		ND		7.5	190
4-Methyl-2-pentanone (MIBK)		ND		36	760
Acetone		ND		130	760
Benzene		ND		9.1	190
Bromobenzene		ND		9.9	190
Bromochloromethane		ND		9.9	190
Bromodichloromethane		ND		7.5	190
Bromoform		ND		14	190
Bromomethane		ND		22	190
Carbon disulfide		ND		9.1	190
Carbon tetrachloride		ND		4.9	190
Chlorobenzene		ND		4.9	190
Chloroethane		ND		46	190
Chloroform		ND		6.7	190
Chloromethane		ND		11	190
cis-1,2-Dichloroethene		ND		5.2	190
cis-1,3-Dichloropropene		ND		6.0	190
Cyclohexane		ND		30	380
Chlorodibromomethane		ND		9.1	190
Dibromomethane		ND		11	190

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_6-8(20110912)**

Lab Sample ID: 240-3807-26 Date Sampled: 09/12/2011 1355
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16142	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141057.D
Dilution:	1.0			Initial Weight/Volume:	13.87 g
Analysis Date:	09/21/2011 1301			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		12	190
Dichlorofluoromethane		ND		19	380
Ethyl ether		ND		11	380
Ethylbenzene		5.9	J	4.1	190
Hexachlorobutadiene		ND		11	190
Isopropylbenzene		ND		4.9	190
Methyl acetate		270	J	19	380
Methyl tert butyl ether		ND		5.4	760
Methylcyclohexane		19	J	9.1	380
Methylene Chloride		ND		58	190
m-Xylene & p-Xylene		21	J	4.7	380
Naphthalene		290		5.1	190
n-Butylbenzene		16	J	6.1	190
N-Propylbenzene		ND		11	190
o-Xylene		11	J	6.5	190
p-Isopropyltoluene		5.3	J	3.6	190
sec-Butylbenzene		ND		3.6	190
Styrene		ND		4.3	190
tert-Butylbenzene		ND		4.9	190
Tetrachloroethene		ND		9.1	190
Tetrahydrofuran		ND		37	760
Toluene		ND		13	190
trans-1,2-Dichloroethene		ND		7.0	190
trans-1,3-Dichloropropene		ND		15	190
Trichloroethene		ND		7.4	190
Trichlorofluoromethane		ND		12	190
Vinyl chloride		ND		14	190

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		39 - 128
4-Bromofluorobenzene (Surr)	78		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	81		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_8-10(20110912)**

Lab Sample ID: 240-3807-27 Date Sampled: 09/12/2011 1405
Client Matrix: Solid % Moisture: 2.3 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141038.D
Dilution:	1.0			Initial Weight/Volume:	10.21 g
Analysis Date:	09/20/2011 1922			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		34	J	5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		11	J	5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_8-10(20110912)**

Lab Sample ID: 240-3807-27 Date Sampled: 09/12/2011 1405
Client Matrix: Solid % Moisture: 2.3 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141038.D
Dilution:	1.0			Initial Weight/Volume:	10.21 g
Analysis Date:	09/20/2011 1922			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		290	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		55	J	12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		12	J	6.2	500
Naphthalene		45	J	6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		12	J	8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		49	J	49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	73		39 - 128
4-Bromofluorobenzene (Surr)	72		26 - 141
Dibromofluoromethane (Surr)	62		30 - 122
Toluene-d8 (Surr)	74		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-193_1-2(20110912)**

Lab Sample ID: 240-3807-28 Date Sampled: 09/12/2011 1420
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141039.D
Dilution:	1.0			Initial Weight/Volume:	9.81 g
Analysis Date:	09/20/2011 1943			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		47	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		21	300
1,1-Dichloroethene		ND		22	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.8	300
1,2,4-Trimethylbenzene		ND		6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.9	300
1,3,5-Trimethylbenzene		ND		7.0	300
1,3-Dichlorobenzene		ND		5.8	300
1,3-Dichloropropane		ND		27	300
1,4-Dichlorobenzene		ND		9.7	300
2,2-Dichloropropane		ND		28	300
2-Butanone (MEK)		ND		52	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		64	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		58	1200
Acetone		ND		210	1200
Benzene		ND		14	300
Bromobenzene		ND		16	300
Bromochloromethane		ND		16	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.7	300
Chlorobenzene		ND		7.7	300
Chloroethane		ND		74	300
Chloroform		ND		11	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.3	300
cis-1,3-Dichloropropene		ND		9.5	300
Cyclohexane		ND		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-193_1-2(20110912)**

Lab Sample ID: 240-3807-28 Date Sampled: 09/12/2011 1420
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141039.D
Dilution:	1.0			Initial Weight/Volume:	9.81 g
Analysis Date:	09/20/2011 1943			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		ND		6.5	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.9	300
Methyl acetate		910		30	600
Methyl tert butyl ether		ND		8.6	1200
Methylcyclohexane		18	J	14	600
Methylene Chloride		ND		93	300
m-Xylene & p-Xylene		13	J	7.5	600
Naphthalene		38	J	8.1	300
n-Butylbenzene		ND		9.7	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.8	300
sec-Butylbenzene		ND		5.7	300
Styrene		ND		6.8	300
tert-Butylbenzene		ND		7.9	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		59	1200
Toluene		ND		21	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		22	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	81		26 - 141
Dibromofluoromethane (Surr)	67		30 - 122
Toluene-d8 (Surr)	82		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_10-12(20110912)**

Lab Sample ID: 240-3807-29 Date Sampled: 09/12/2011 1515
Client Matrix: Solid % Moisture: 7.1 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141027.D
Dilution:	1.0			Initial Weight/Volume:	10.73 g
Analysis Date:	09/20/2011 1527			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		91	J	5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		37	J	5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		55	J	12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_10-12(20110912)**

Lab Sample ID: 240-3807-29 Date Sampled: 09/12/2011 1515
Client Matrix: Solid % Moisture: 7.1 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141027.D
Dilution:	1.0			Initial Weight/Volume:	10.73 g
Analysis Date:	09/20/2011 1527			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		17	J	5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		15	J	6.5	250
Methyl acetate		600		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		93	J	12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		60	J	6.2	500
Naphthalene		270		6.7	250
n-Butylbenzene		87	J	8.0	250
N-Propylbenzene		26	J	14	250
o-Xylene		46	J	8.5	250
p-Isopropyltoluene		32	J	4.8	250
sec-Butylbenzene		45	J	4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		35	J	17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		39 - 128
4-Bromofluorobenzene (Surr)	85		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	85		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_13-15(20110912)**

Lab Sample ID: 240-3807-30 Date Sampled: 09/12/2011 1520
Client Matrix: Solid % Moisture: 9.6 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141042.D
Dilution:	1.0			Initial Weight/Volume:	8.35 g
Analysis Date:	09/20/2011 2047			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	330
1,1,1-Trichloroethane		ND		28	330
1,1,2,2-Tetrachloroethane		ND		12	330
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		52	330
1,1,2-Trichloroethane		ND		16	330
1,1-Dichloroethane		ND		23	330
1,1-Dichloroethene		ND		24	330
1,1-Dichloropropene		ND		13	330
1,2,3-Trichlorobenzene		ND		13	330
1,2,3-Trichloropropane		ND		28	330
1,2,4-Trichlorobenzene		ND		9.7	330
1,2,4-Trimethylbenzene		ND		6.6	330
1,2-Dibromo-3-Chloropropane		ND		66	660
1,2-Dibromoethane		ND		13	330
1,2-Dichlorobenzene		ND		11	330
1,2-Dichloroethane		ND		13	330
1,2-Dichloropropane		ND		11	330
1,3,5-Trimethylbenzene		ND		7.7	330
1,3-Dichlorobenzene		ND		6.4	330
1,3-Dichloropropane		ND		29	330
1,4-Dichlorobenzene		ND		11	330
2,2-Dichloropropane		ND		30	330
2-Butanone (MEK)		ND		57	1300
2-Chlorotoluene		ND		12	330
2-Hexanone		ND		26	1300
Allyl chloride		ND		70	660
4-Chlorotoluene		ND		13	330
4-Methyl-2-pentanone (MIBK)		ND		64	1300
Acetone		ND		230	1300
Benzene		ND		16	330
Bromobenzene		ND		17	330
Bromochloromethane		ND		17	330
Bromodichloromethane		ND		13	330
Bromoform		ND		25	330
Bromomethane		ND		38	330
Carbon disulfide		ND		16	330
Carbon tetrachloride		ND		8.5	330
Chlorobenzene		ND		8.5	330
Chloroethane		ND		81	330
Chloroform		ND		12	330
Chloromethane		ND		19	330
cis-1,2-Dichloroethene		ND		9.1	330
cis-1,3-Dichloropropene		ND		10	330
Cyclohexane		ND		53	660
Chlorodibromomethane		ND		16	330
Dibromomethane		ND		19	330

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_13-15(20110912)**

Lab Sample ID: 240-3807-30 Date Sampled: 09/12/2011 1520
Client Matrix: Solid % Moisture: 9.6 Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15869	Lab File ID:	141042.D
Dilution:	1.0			Initial Weight/Volume:	8.35 g
Analysis Date:	09/20/2011 2047			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		21	330
Dichlorofluoromethane		ND		33	660
Ethyl ether		ND		20	660
Ethylbenzene		ND		7.2	330
Hexachlorobutadiene		ND		19	330
Isopropylbenzene		ND		8.6	330
Methyl acetate		410	J	33	660
Methyl tert butyl ether		ND		9.4	1300
Methylcyclohexane		ND		16	660
Methylene Chloride		ND		100	330
m-Xylene & p-Xylene		ND		8.2	660
Naphthalene		ND		8.9	330
n-Butylbenzene		ND		11	330
N-Propylbenzene		ND		19	330
o-Xylene		ND		11	330
p-Isopropyltoluene		ND		6.4	330
sec-Butylbenzene		ND		6.2	330
Styrene		ND		7.4	330
tert-Butylbenzene		ND		8.6	330
Tetrachloroethene		ND		16	330
Tetrahydrofuran		ND		65	1300
Toluene		ND		23	330
trans-1,2-Dichloroethene		ND		12	330
trans-1,3-Dichloropropene		ND		26	330
Trichloroethene		ND		13	330
Trichlorofluoromethane		ND		21	330
Vinyl chloride		ND		24	330

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		39 - 128
4-Bromofluorobenzene (Surr)	79		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	84		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 240-3807-31TB Date Sampled: 09/12/2011 0000
Client Matrix: WQ Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9725.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1854			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1854				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 240-3807-31TB Date Sampled: 09/12/2011 0000
Client Matrix: WQ Date Received: 09/14/2011 1734

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ9725.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1854			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1854				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		63 - 129
4-Bromofluorobenzene (Surr)	91		66 - 117
Toluene-d8 (Surr)	100		74 - 115
Dibromofluoromethane (Surr)	105		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807E3A.D
Dilution:	1.0			Initial Weight/Volume:	29.95 g
Analysis Date:	09/27/2011 1753			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		37	450
2,2'-oxybis[1-chloropropane]		ND		13	450
2,4,5-Trichlorophenol		ND		34	450
2,4,6-Trichlorophenol		ND		110	450
2,4-Dichlorophenol		ND		27	450
2,4-Dimethylphenol		ND		27	450
2,4-Dinitrophenol		ND		110	2200
2,4-Dinitrotoluene		ND		37	450
2,6-Dinitrotoluene		ND		29	450
2-Chloronaphthalene		ND		4.5	450
2-Chlorophenol		ND		37	450
2-Methylnaphthalene		21	J	4.5	450
2-Methylphenol		ND		110	450
2-Nitroaniline		ND		12	2200
2-Nitrophenol		ND		37	450
3,3'-Dichlorobenzidine		ND		25	2200
3-Nitroaniline		ND		22	2200
4,6-Dinitro-2-methylphenol		ND		110	2200
4-Bromophenyl phenyl ether		ND		18	450
4-Chloro-3-methylphenol		ND		29	450
4-Chloroaniline		ND		23	450
4-Chlorophenyl phenyl ether		ND		18	450
4-Nitroaniline		ND		36	2200
4-Nitrophenol		ND		110	2200
Acenaphthene		58	J	4.5	450
Acenaphthylene		ND		4.5	450
Acetophenone		ND		13	450
Anthracene		130	J	4.5	450
Atrazine		ND		12	450
Benzaldehyde		55	J	16	450
Benzo[a]anthracene		220	J	4.5	450
Benzo[a]pyrene		170	J	4.5	450
Benzo[b]fluoranthene		210	J	4.5	450
Benzo[g,h,i]perylene		120	J	4.5	450
Benzo[k]fluoranthene		97	J	4.5	450
Bis(2-chloroethoxy)methane		ND		30	450
Bis(2-chloroethyl)ether		ND		2.7	450
Bis(2-ethylhexyl) phthalate		54	J B *	26	450
Butyl benzyl phthalate		ND		14	450
Caprolactam		ND		51	450
Carbazole		39	J	37	450
Chrysene		200	J	1.5	450
Dibenz(a,h)anthracene		23	J	4.5	450
Dibenzofuran		37	J	4.5	450
Diethyl phthalate		ND		22	450
Dimethyl phthalate		ND		23	450

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807E3A.D
Dilution:	1.0			Initial Weight/Volume:	29.95 g
Analysis Date:	09/27/2011 1753			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		22	J B	20	450
Di-n-octyl phthalate		ND		37	450
Fluoranthene		500		4.5	450
Fluorene		78	J	4.5	450
Hexachlorobenzene		ND		2.9	450
Hexachlorobutadiene		ND		37	450
Hexachlorocyclopentadiene		ND		37	2200
Hexachloroethane		ND		12	450
Indeno[1,2,3-cd]pyrene		90	J	4.5	450
Isophorone		ND		18	450
Naphthalene		38	J	4.5	450
Nitrobenzene		ND		3.0	450
N-Nitrosodi-n-propylamine		ND		37	450
N-Nitrosodiphenylamine		ND		29	450
Pentachlorophenol		ND		110	450
Phenol		ND		37	450
Phenanthrene		440	J	4.5	450
Pyrene		350	J	4.5	450
3 & 4 Methylphenol		ND		27	550

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	63		34 - 110
2-Fluorophenol (Surr)	76		26 - 110
2,4,6-Tribromophenol (Surr)	63		10 - 118
Nitrobenzene-d5 (Surr)	63		24 - 112
Phenol-d5 (Surr)	70		28 - 110
Terphenyl-d14 (Surr)	84		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003025.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	10/03/2011 2158	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	37	450
2,2'-oxybis[1-chloropropane]		ND	H	13	450
2,4,5-Trichlorophenol		ND	H	34	450
2,4,6-Trichlorophenol		ND	H	110	450
2,4-Dichlorophenol		ND	H	27	450
2,4-Dimethylphenol		ND	H	27	450
2,4-Dinitrophenol		ND	H	110	2200
2,4-Dinitrotoluene		ND	H	37	450
2,6-Dinitrotoluene		ND	H	29	450
2-Chloronaphthalene		ND	H	4.5	450
2-Chlorophenol		ND	H	37	450
2-Methylnaphthalene		16	J H	4.5	450
2-Methylphenol		ND	H	110	450
2-Nitroaniline		ND	H	12	2200
2-Nitrophenol		ND	H	37	450
3,3'-Dichlorobenzidine		ND	H	25	2200
3-Nitroaniline		ND	H	22	2200
4,6-Dinitro-2-methylphenol		ND	H	110	2200
4-Bromophenyl phenyl ether		ND	H	18	450
4-Chloro-3-methylphenol		ND	H	29	450
4-Chloroaniline		ND	H	23	450
4-Chlorophenyl phenyl ether		ND	H	18	450
4-Nitroaniline		ND	H	35	2200
4-Nitrophenol		ND	H	110	2200
Acenaphthene		44	J H	4.5	450
Acenaphthylene		5.1	J H	4.5	450
Acetophenone		25	J H	13	450
Anthracene		110	J H	4.5	450
Atrazine		ND	H	12	450
Benzaldehyde		ND	H	16	450
Benzo[a]anthracene		170	J H	4.5	450
Benzo[a]pyrene		150	J H	4.5	450
Benzo[b]fluoranthene		170	J H	4.5	450
Benzo[g,h,i]perylene		88	J H	4.5	450
Benzo[k]fluoranthene		85	J H	4.5	450
Bis(2-chloroethoxy)methane		ND	H	30	450
Bis(2-chloroethyl)ether		ND	H	2.7	450
Bis(2-ethylhexyl) phthalate		75	J H	26	450
Butyl benzyl phthalate		ND	H	14	450
Caprolactam		ND	H	50	450
Carbazole		38	J H	37	450
Chrysene		180	J H	1.5	450
Dibenz(a,h)anthracene		24	J H	4.5	450
Dibenzofuran		38	J H	4.5	450
Diethyl phthalate		ND	H	22	450
Dimethyl phthalate		ND	H	23	450

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003025.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	10/03/2011 2158	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	20	450
Di-n-octyl phthalate		ND	H	37	450
Fluoranthene		420	J H	4.5	450
Fluorene		76	J H	4.5	450
Hexachlorobenzene		ND	H	2.9	450
Hexachlorobutadiene		ND	H	37	450
Hexachlorocyclopentadiene		ND	H	37	2200
Hexachloroethane		ND	H	12	450
Indeno[1,2,3-cd]pyrene		68	J H	4.5	450
Isophorone		ND	H	18	450
Naphthalene		46	J H	4.5	450
Nitrobenzene		ND	H	3.0	450
N-Nitrosodi-n-propylamine		ND	H	37	450
N-Nitrosodiphenylamine		ND	H	29	450
Pentachlorophenol		ND	H	110	450
Phenol		ND	H	37	450
Phenanthrene		370	J H	4.5	450
Pyrene		340	J H	4.5	450
3 & 4 Methylphenol		ND	H	27	550

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		34 - 110
2-Fluorophenol (Surr)	65		26 - 110
2,4,6-Tribromophenol (Surr)	62		10 - 118
Nitrobenzene-d5 (Surr)	51		24 - 112
Phenol-d5 (Surr)	68		28 - 110
Terphenyl-d14 (Surr)	71		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D6A.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Analysis Date:	09/27/2011 1812			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		29	350
2,2'-oxybis[1-chloropropane]		ND		10	350
2,4,5-Trichlorophenol		ND		27	350
2,4,6-Trichlorophenol		ND		86	350
2,4-Dichlorophenol		ND		22	350
2,4-Dimethylphenol		ND		22	350
2,4-Dinitrophenol		ND		86	1700
2,4-Dinitrotoluene		ND		29	350
2,6-Dinitrotoluene		ND		23	350
2-Chloronaphthalene		ND		3.5	350
2-Chlorophenol		ND		29	350
2-Methylnaphthalene		ND		3.5	350
2-Methylphenol		ND		86	350
2-Nitroaniline		ND		9.8	1700
2-Nitrophenol		ND		29	350
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		86	1700
4-Bromophenyl phenyl ether		ND		14	350
4-Chloro-3-methylphenol		ND		23	350
4-Chloroaniline		ND		18	350
4-Chlorophenyl phenyl ether		ND		14	350
4-Nitroaniline		ND		28	1700
4-Nitrophenol		ND		86	1700
Acenaphthene		ND		3.5	350
Acenaphthylene		ND		3.5	350
Acetophenone		ND		9.9	350
Anthracene		ND		3.5	350
Atrazine		ND		9.8	350
Benzaldehyde		ND		13	350
Benzo[a]anthracene		ND		3.5	350
Benzo[a]pyrene		ND		3.5	350
Benzo[b]fluoranthene		ND		3.5	350
Benzo[g,h,i]perylene		ND		3.5	350
Benzo[k]fluoranthene		ND		3.5	350
Bis(2-chloroethoxy)methane		ND		24	350
Bis(2-chloroethyl)ether		ND		2.2	350
Bis(2-ethylhexyl) phthalate		98	J B *	20	350
Butyl benzyl phthalate		ND		11	350
Caprolactam		ND		40	350
Carbazole		ND		29	350
Chrysene		12	J	1.2	350
Dibenz(a,h)anthracene		ND		3.5	350
Dibenzofuran		ND		3.5	350
Diethyl phthalate		ND		17	350
Dimethyl phthalate		ND		18	350

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D6A.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Analysis Date:	09/27/2011 1812			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		19	J B	16	350
Di-n-octyl phthalate		ND		29	350
Fluoranthene		ND		3.5	350
Fluorene		ND		3.5	350
Hexachlorobenzene		ND		2.3	350
Hexachlorobutadiene		ND		29	350
Hexachlorocyclopentadiene		ND		29	1700
Hexachloroethane		ND		9.7	350
Indeno[1,2,3-cd]pyrene		ND		3.5	350
Isophorone		ND		14	350
Naphthalene		ND		3.5	350
Nitrobenzene		ND		2.4	350
N-Nitrosodi-n-propylamine		ND		29	350
N-Nitrosodiphenylamine		ND		23	350
Pentachlorophenol		ND		86	350
Phenol		ND		29	350
Phenanthrene		ND		3.5	350
Pyrene		14	J	3.5	350
3 & 4 Methylphenol		ND		22	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		34 - 110
2-Fluorophenol (Surr)	69		26 - 110
2,4,6-Tribromophenol (Surr)	61		10 - 118
Nitrobenzene-d5 (Surr)	62		24 - 112
Phenol-d5 (Surr)	63		28 - 110
Terphenyl-d14 (Surr)	84		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003032.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	10/04/2011 0008	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	29	360
2,2'-oxybis[1-chloropropane]		ND	H	10	360
2,4,5-Trichlorophenol		ND	H	27	360
2,4,6-Trichlorophenol		ND	H	86	360
2,4-Dichlorophenol		ND	H	22	360
2,4-Dimethylphenol		ND	H	22	360
2,4-Dinitrophenol		ND	H	86	1700
2,4-Dinitrotoluene		ND	H	29	360
2,6-Dinitrotoluene		ND	H	23	360
2-Chloronaphthalene		ND	H	3.6	360
2-Chlorophenol		ND	H	29	360
2-Methylnaphthalene		ND	H	3.6	360
2-Methylphenol		ND	H	86	360
2-Nitroaniline		ND	H	9.8	1700
2-Nitrophenol		ND	H	29	360
3,3'-Dichlorobenzidine		ND	H	19	1700
3-Nitroaniline		ND	H	17	1700
4,6-Dinitro-2-methylphenol		ND	H	86	1700
4-Bromophenyl phenyl ether		ND	H	14	360
4-Chloro-3-methylphenol		ND	H	23	360
4-Chloroaniline		ND	H	18	360
4-Chlorophenyl phenyl ether		ND	H	14	360
4-Nitroaniline		ND	H	28	1700
4-Nitrophenol		ND	H	86	1700
Acenaphthene		ND	H	3.6	360
Acenaphthylene		ND	H	3.6	360
Acetophenone		ND	H	9.9	360
Anthracene		ND	H	3.6	360
Atrazine		ND	H	9.8	360
Benzaldehyde		ND	H	13	360
Benzo[a]anthracene		7.8	J H	3.6	360
Benzo[a]pyrene		6.7	J H	3.6	360
Benzo[b]fluoranthene		7.2	J H	3.6	360
Benzo[g,h,i]perylene		6.1	J H	3.6	360
Benzo[k]fluoranthene		4.1	J H	3.6	360
Bis(2-chloroethoxy)methane		ND	H	24	360
Bis(2-chloroethyl)ether		ND	H	2.2	360
Bis(2-ethylhexyl) phthalate		52	J H	21	360
Butyl benzyl phthalate		ND	H	11	360
Caprolactam		ND	H	40	360
Carbazole		ND	H	29	360
Chrysene		16	J H	1.2	360
Dibenz(a,h)anthracene		ND	H	3.6	360
Dibenzofuran		ND	H	3.6	360
Diethyl phthalate		ND	H	17	360
Dimethyl phthalate		ND	H	18	360

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003032.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	10/04/2011 0008	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	16	360
Di-n-octyl phthalate		ND	H	29	360
Fluoranthene		16	J H	3.6	360
Fluorene		ND	H	3.6	360
Hexachlorobenzene		ND	H	2.3	360
Hexachlorobutadiene		ND	H	29	360
Hexachlorocyclopentadiene		ND	H	29	1700
Hexachloroethane		ND	H	9.7	360
Indeno[1,2,3-cd]pyrene		ND	H	3.6	360
Isophorone		ND	H	14	360
Naphthalene		ND	H	3.6	360
Nitrobenzene		ND	H	2.4	360
N-Nitrosodi-n-propylamine		ND	H	29	360
N-Nitrosodiphenylamine		ND	H	23	360
Pentachlorophenol		ND	H	86	360
Phenol		ND	H	29	360
Phenanthrene		ND	H	3.6	360
Pyrene		21	J H	3.6	360
3 & 4 Methylphenol		ND	H	22	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	44		34 - 110
2-Fluorophenol (Surr)	48		26 - 110
2,4,6-Tribromophenol (Surr)	47		10 - 118
Nitrobenzene-d5 (Surr)	38		24 - 112
Phenol-d5 (Surr)	52		28 - 110
Terphenyl-d14 (Surr)	62		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D7C.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	09/27/2011 1715			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		34	420
2,2'-oxybis[1-chloropropane]		ND		12	420
2,4,5-Trichlorophenol		ND		32	420
2,4,6-Trichlorophenol		ND		100	420
2,4-Dichlorophenol		ND		25	420
2,4-Dimethylphenol		ND		25	420
2,4-Dinitrophenol		ND		100	2000
2,4-Dinitrotoluene		ND		34	420
2,6-Dinitrotoluene		ND		27	420
2-Chloronaphthalene		ND		4.2	420
2-Chlorophenol		ND		34	420
2-Methylnaphthalene		ND		4.2	420
2-Methylphenol		ND		100	420
2-Nitroaniline		ND		12	2000
2-Nitrophenol		ND		34	420
3,3'-Dichlorobenzidine		ND		23	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		100	2000
4-Bromophenyl phenyl ether		ND		16	420
4-Chloro-3-methylphenol		ND		27	420
4-Chloroaniline		ND		21	420
4-Chlorophenyl phenyl ether		ND		16	420
4-Nitroaniline		ND		33	2000
4-Nitrophenol		ND		100	2000
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Acetophenone		ND		12	420
Anthracene		ND		4.2	420
Atrazine		ND		12	420
Benzaldehyde		ND		15	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Bis(2-chloroethoxy)methane		ND		28	420
Bis(2-chloroethyl)ether		ND		2.5	420
Bis(2-ethylhexyl) phthalate		42	J B *	24	420
Butyl benzyl phthalate		ND		13	420
Caprolactam		ND		47	420
Carbazole		ND		34	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Dibenzofuran		ND		4.2	420
Diethyl phthalate		ND		20	420
Dimethyl phthalate		ND		21	420

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D7C.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	09/27/2011 1715			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	420
Di-n-octyl phthalate		ND		34	420
Fluoranthene		ND		4.2	420
Fluorene		ND		4.2	420
Hexachlorobenzene		ND		2.7	420
Hexachlorobutadiene		ND		34	420
Hexachlorocyclopentadiene		ND		34	2000
Hexachloroethane		ND		11	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Isophorone		ND		16	420
Naphthalene		ND		4.2	420
Nitrobenzene		ND		2.8	420
N-Nitrosodi-n-propylamine		ND		34	420
N-Nitrosodiphenylamine		ND		27	420
Pentachlorophenol		ND		100	420
Phenol		ND		34	420
Phenanthrene		ND		4.2	420
Pyrene		ND		4.2	420
3 & 4 Methylphenol		ND		25	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		34 - 110
2-Fluorophenol (Surr)	69		26 - 110
2,4,6-Tribromophenol (Surr)	62		10 - 118
Nitrobenzene-d5 (Surr)	63		24 - 112
Phenol-d5 (Surr)	63		28 - 110
Terphenyl-d14 (Surr)	87		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003028.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	10/03/2011 2253	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	34	420
2,2'-oxybis[1-chloropropane]		ND	H	12	420
2,4,5-Trichlorophenol		ND	H	32	420
2,4,6-Trichlorophenol		ND	H	100	420
2,4-Dichlorophenol		ND	H	25	420
2,4-Dimethylphenol		ND	H	25	420
2,4-Dinitrophenol		ND	H	100	2000
2,4-Dinitrotoluene		ND	H	34	420
2,6-Dinitrotoluene		ND	H	27	420
2-Chloronaphthalene		ND	H	4.2	420
2-Chlorophenol		ND	H	34	420
2-Methylnaphthalene		ND	H	4.2	420
2-Methylphenol		ND	H	100	420
2-Nitroaniline		ND	H	12	2000
2-Nitrophenol		ND	H	34	420
3,3'-Dichlorobenzidine		ND	H	23	2000
3-Nitroaniline		ND	H	20	2000
4,6-Dinitro-2-methylphenol		ND	H	100	2000
4-Bromophenyl phenyl ether		ND	H	16	420
4-Chloro-3-methylphenol		ND	H	27	420
4-Chloroaniline		ND	H	22	420
4-Chlorophenyl phenyl ether		ND	H	16	420
4-Nitroaniline		ND	H	33	2000
4-Nitrophenol		ND	H	100	2000
Acenaphthene		ND	H	4.2	420
Acenaphthylene		ND	H	4.2	420
Acetophenone		ND	H	12	420
Anthracene		ND	H	4.2	420
Atrazine		ND	H	12	420
Benzaldehyde		ND	H	15	420
Benzo[a]anthracene		ND	H	4.2	420
Benzo[a]pyrene		ND	H	4.2	420
Benzo[b]fluoranthene		ND	H	4.2	420
Benzo[g,h,i]perylene		ND	H	4.2	420
Benzo[k]fluoranthene		ND	H	4.2	420
Bis(2-chloroethoxy)methane		ND	H	28	420
Bis(2-chloroethyl)ether		ND	H	2.5	420
Bis(2-ethylhexyl) phthalate		92	J H	24	420
Butyl benzyl phthalate		ND	H	13	420
Caprolactam		ND	H	47	420
Carbazole		ND	H	34	420
Chrysene		ND	H	1.4	420
Dibenz(a,h)anthracene		ND	H	4.2	420
Dibenzofuran		ND	H	4.2	420
Diethyl phthalate		ND	H	20	420
Dimethyl phthalate		ND	H	22	420

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003028.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	10/03/2011 2253	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		19	J H	19	420
Di-n-octyl phthalate		ND	H	34	420
Fluoranthene		ND	H	4.2	420
Fluorene		ND	H	4.2	420
Hexachlorobenzene		ND	H	2.7	420
Hexachlorobutadiene		ND	H	34	420
Hexachlorocyclopentadiene		ND	H	34	2000
Hexachloroethane		ND	H	11	420
Indeno[1,2,3-cd]pyrene		ND	H	4.2	420
Isophorone		ND	H	16	420
Naphthalene		ND	H	4.2	420
Nitrobenzene		ND	H	2.8	420
N-Nitrosodi-n-propylamine		ND	H	34	420
N-Nitrosodiphenylamine		ND	H	27	420
Pentachlorophenol		ND	H	100	420
Phenol		ND	H	34	420
Phenanthrene		ND	H	4.2	420
Pyrene		ND	H	4.2	420
3 & 4 Methylphenol		ND	H	25	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		34 - 110
2-Fluorophenol (Surr)	67		26 - 110
2,4,6-Tribromophenol (Surr)	63		10 - 118
Nitrobenzene-d5 (Surr)	56		24 - 112
Phenol-d5 (Surr)	66		28 - 110
Terphenyl-d14 (Surr)	82		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D8A.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	09/27/2011 1831			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		28	340
2,2'-oxybis[1-chloropropane]		ND		9.9	340
2,4,5-Trichlorophenol		ND		26	340
2,4,6-Trichlorophenol		ND		84	340
2,4-Dichlorophenol		ND		21	340
2,4-Dimethylphenol		ND		21	340
2,4-Dinitrophenol		ND		84	1700
2,4-Dinitrotoluene		ND		28	340
2,6-Dinitrotoluene		ND		22	340
2-Chloronaphthalene		ND		3.4	340
2-Chlorophenol		ND		28	340
2-Methylnaphthalene		ND		3.4	340
2-Methylphenol		ND		84	340
2-Nitroaniline		ND		9.5	1700
2-Nitrophenol		ND		28	340
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		84	1700
4-Bromophenyl phenyl ether		ND		14	340
4-Chloro-3-methylphenol		ND		22	340
4-Chloroaniline		ND		18	340
4-Chlorophenyl phenyl ether		ND		14	340
4-Nitroaniline		ND		27	1700
4-Nitrophenol		ND		84	1700
Acenaphthene		ND		3.4	340
Acenaphthylene		ND		3.4	340
Acetophenone		ND		9.6	340
Anthracene		ND		3.4	340
Atrazine		ND		9.5	340
Benzaldehyde		ND		13	340
Benzo[a]anthracene		ND		3.4	340
Benzo[a]pyrene		ND		3.4	340
Benzo[b]fluoranthene		ND		3.4	340
Benzo[g,h,i]perylene		ND		3.4	340
Benzo[k]fluoranthene		ND		3.4	340
Bis(2-chloroethoxy)methane		ND		23	340
Bis(2-chloroethyl)ether		ND		2.1	340
Bis(2-ethylhexyl) phthalate		35	J B *	20	340
Butyl benzyl phthalate		ND		10	340
Caprolactam		ND		39	340
Carbazole		ND		28	340
Chrysene		ND		1.1	340
Dibenz(a,h)anthracene		ND		3.4	340
Dibenzofuran		ND		3.4	340
Diethyl phthalate		ND		17	340
Dimethyl phthalate		ND		18	340

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D8A.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	09/27/2011 1831			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	340
Di-n-octyl phthalate		ND		28	340
Fluoranthene		ND		3.4	340
Fluorene		ND		3.4	340
Hexachlorobenzene		ND		2.2	340
Hexachlorobutadiene		ND		28	340
Hexachlorocyclopentadiene		ND		28	1700
Hexachloroethane		ND		9.4	340
Indeno[1,2,3-cd]pyrene		ND		3.4	340
Isophorone		ND		14	340
Naphthalene		ND		3.4	340
Nitrobenzene		ND		2.3	340
N-Nitrosodi-n-propylamine		ND		28	340
N-Nitrosodiphenylamine		ND		22	340
Pentachlorophenol		ND		84	340
Phenol		ND		28	340
Phenanthrene		ND		3.4	340
Pyrene		ND		3.4	340
3 & 4 Methylphenol		ND		21	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		34 - 110
2-Fluorophenol (Surr)	75		26 - 110
2,4,6-Tribromophenol (Surr)	44		10 - 118
Nitrobenzene-d5 (Surr)	63		24 - 112
Phenol-d5 (Surr)	68		28 - 110
Terphenyl-d14 (Surr)	85		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003031.D
Dilution:	1.0			Initial Weight/Volume:	29.93 g
Analysis Date:	10/03/2011 2349	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	28	350
2,2'-oxybis[1-chloropropane]		ND	H	10	350
2,4,5-Trichlorophenol		ND	H	26	350
2,4,6-Trichlorophenol		ND	H	84	350
2,4-Dichlorophenol		ND	H	21	350
2,4-Dimethylphenol		ND	H	21	350
2,4-Dinitrophenol		ND	H	84	1700
2,4-Dinitrotoluene		ND	H	28	350
2,6-Dinitrotoluene		ND	H	22	350
2-Chloronaphthalene		ND	H	3.5	350
2-Chlorophenol		ND	H	28	350
2-Methylnaphthalene		ND	H	3.5	350
2-Methylphenol		ND	H	84	350
2-Nitroaniline		ND	H	9.6	1700
2-Nitrophenol		ND	H	28	350
3,3'-Dichlorobenzidine		ND	H	19	1700
3-Nitroaniline		ND	H	17	1700
4,6-Dinitro-2-methylphenol		ND	H	84	1700
4-Bromophenyl phenyl ether		ND	H	14	350
4-Chloro-3-methylphenol		ND	H	22	350
4-Chloroaniline		ND	H	18	350
4-Chlorophenyl phenyl ether		ND	H	14	350
4-Nitroaniline		ND	H	27	1700
4-Nitrophenol		ND	H	84	1700
Acenaphthene		ND	H	3.5	350
Acenaphthylene		ND	H	3.5	350
Acetophenone		ND	H	9.7	350
Anthracene		ND	H	3.5	350
Atrazine		ND	H	9.6	350
Benzaldehyde		ND	H	13	350
Benzo[a]anthracene		ND	H	3.5	350
Benzo[a]pyrene		ND	H	3.5	350
Benzo[b]fluoranthene		ND	H	3.5	350
Benzo[g,h,i]perylene		4.7	J H	3.5	350
Benzo[k]fluoranthene		ND	H	3.5	350
Bis(2-chloroethoxy)methane		ND	H	23	350
Bis(2-chloroethyl)ether		ND	H	2.1	350
Bis(2-ethylhexyl) phthalate		55	J H	20	350
Butyl benzyl phthalate		ND	H	10	350
Caprolactam		ND	H	39	350
Carbazole		ND	H	28	350
Chrysene		ND	H	1.2	350
Dibenz(a,h)anthracene		ND	H	3.5	350
Dibenzofuran		ND	H	3.5	350
Diethyl phthalate		ND	H	17	350
Dimethyl phthalate		ND	H	18	350

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003031.D
Dilution:	1.0			Initial Weight/Volume:	29.93 g
Analysis Date:	10/03/2011 2349	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		20	J H	16	350
Di-n-octyl phthalate		ND	H	28	350
Fluoranthene		ND	H	3.5	350
Fluorene		ND	H	3.5	350
Hexachlorobenzene		ND	H	2.2	350
Hexachlorobutadiene		ND	H	28	350
Hexachlorocyclopentadiene		ND	H	28	1700
Hexachloroethane		ND	H	9.4	350
Indeno[1,2,3-cd]pyrene		ND	H	3.5	350
Isophorone		ND	H	14	350
Naphthalene		ND	H	3.5	350
Nitrobenzene		ND	H	2.3	350
N-Nitrosodi-n-propylamine		ND	H	28	350
N-Nitrosodiphenylamine		ND	H	22	350
Pentachlorophenol		ND	H	84	350
Phenol		ND	H	28	350
Phenanthrene		ND	H	3.5	350
Pyrene		4.0	J H	3.5	350
3 & 4 Methylphenol		ND	H	21	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	48		34 - 110
2-Fluorophenol (Surr)	38		26 - 110
2,4,6-Tribromophenol (Surr)	50		10 - 118
Nitrobenzene-d5 (Surr)	31		24 - 112
Phenol-d5 (Surr)	46		28 - 110
Terphenyl-d14 (Surr)	71		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807C9A.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/27/2011 1656			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		34	420
2,2'-oxybis[1-chloropropane]		ND		12	420
2,4,5-Trichlorophenol		ND		32	420
2,4,6-Trichlorophenol		ND		100	420
2,4-Dichlorophenol		ND		26	420
2,4-Dimethylphenol		ND		26	420
2,4-Dinitrophenol		ND		100	2000
2,4-Dinitrotoluene		ND		34	420
2,6-Dinitrotoluene		ND		27	420
2-Chloronaphthalene		ND		4.2	420
2-Chlorophenol		ND		34	420
2-Methylnaphthalene		ND		4.2	420
2-Methylphenol		ND		100	420
2-Nitroaniline		ND		12	2000
2-Nitrophenol		ND		34	420
3,3'-Dichlorobenzidine		ND		23	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		100	2000
4-Bromophenyl phenyl ether		ND		17	420
4-Chloro-3-methylphenol		ND		27	420
4-Chloroaniline		ND		22	420
4-Chlorophenyl phenyl ether		ND		17	420
4-Nitroaniline		ND		33	2000
4-Nitrophenol		ND		100	2000
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Acetophenone		ND		12	420
Anthracene		ND		4.2	420
Atrazine		ND		12	420
Benzaldehyde		ND		15	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Bis(2-chloroethoxy)methane		ND		28	420
Bis(2-chloroethyl)ether		ND		2.6	420
Bis(2-ethylhexyl) phthalate		59	J B *	24	420
Butyl benzyl phthalate		ND		13	420
Caprolactam		ND		47	420
Carbazole		ND		34	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Dibenzofuran		ND		4.2	420
Diethyl phthalate		ND		20	420
Dimethyl phthalate		ND		22	420

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807C9A.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	09/27/2011 1656			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	420
Di-n-octyl phthalate		ND		34	420
Fluoranthene		ND		4.2	420
Fluorene		ND		4.2	420
Hexachlorobenzene		ND		2.7	420
Hexachlorobutadiene		ND		34	420
Hexachlorocyclopentadiene		ND		34	2000
Hexachloroethane		ND		11	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Isophorone		ND		17	420
Naphthalene		ND		4.2	420
Nitrobenzene		ND		2.8	420
N-Nitrosodi-n-propylamine		ND		34	420
N-Nitrosodiphenylamine		ND		27	420
Pentachlorophenol		ND		100	420
Phenol		ND		34	420
Phenanthrene		ND		4.2	420
Pyrene		ND		4.2	420
3 & 4 Methylphenol		ND		26	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	63		34 - 110
2-Fluorophenol (Surr)	71		26 - 110
2,4,6-Tribromophenol (Surr)	62		10 - 118
Nitrobenzene-d5 (Surr)	64		24 - 112
Phenol-d5 (Surr)	64		28 - 110
Terphenyl-d14 (Surr)	89		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003029.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	10/03/2011 2312	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	34	420
2,2'-oxybis[1-chloropropane]		ND	H	12	420
2,4,5-Trichlorophenol		ND	H	32	420
2,4,6-Trichlorophenol		ND	H	100	420
2,4-Dichlorophenol		ND	H	25	420
2,4-Dimethylphenol		ND	H	25	420
2,4-Dinitrophenol		ND	H	100	2000
2,4-Dinitrotoluene		ND	H	34	420
2,6-Dinitrotoluene		ND	H	27	420
2-Chloronaphthalene		ND	H	4.2	420
2-Chlorophenol		ND	H	34	420
2-Methylnaphthalene		ND	H	4.2	420
2-Methylphenol		ND	H	100	420
2-Nitroaniline		ND	H	12	2000
2-Nitrophenol		ND	H	34	420
3,3'-Dichlorobenzidine		ND	H	23	2000
3-Nitroaniline		ND	H	20	2000
4,6-Dinitro-2-methylphenol		ND	H	100	2000
4-Bromophenyl phenyl ether		ND	H	17	420
4-Chloro-3-methylphenol		ND	H	27	420
4-Chloroaniline		ND	H	22	420
4-Chlorophenyl phenyl ether		ND	H	17	420
4-Nitroaniline		ND	H	33	2000
4-Nitrophenol		ND	H	100	2000
Acenaphthene		ND	H	4.2	420
Acenaphthylene		ND	H	4.2	420
Acetophenone		ND	H	12	420
Anthracene		ND	H	4.2	420
Atrazine		ND	H	12	420
Benzaldehyde		ND	H	15	420
Benzo[a]anthracene		ND	H	4.2	420
Benzo[a]pyrene		ND	H	4.2	420
Benzo[b]fluoranthene		ND	H	4.2	420
Benzo[g,h,i]perylene		ND	H	4.2	420
Benzo[k]fluoranthene		ND	H	4.2	420
Bis(2-chloroethoxy)methane		ND	H	28	420
Bis(2-chloroethyl)ether		ND	H	2.5	420
Bis(2-ethylhexyl) phthalate		68	J H	24	420
Butyl benzyl phthalate		ND	H	13	420
Caprolactam		ND	H	47	420
Carbazole		ND	H	34	420
Chrysene		ND	H	1.4	420
Dibenz(a,h)anthracene		ND	H	4.2	420
Dibenzofuran		ND	H	4.2	420
Diethyl phthalate		ND	H	20	420
Dimethyl phthalate		ND	H	22	420

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003029.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	10/03/2011 2312	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	19	420
Di-n-octyl phthalate		ND	H	34	420
Fluoranthene		ND	H	4.2	420
Fluorene		ND	H	4.2	420
Hexachlorobenzene		ND	H	2.7	420
Hexachlorobutadiene		ND	H	34	420
Hexachlorocyclopentadiene		ND	H	34	2000
Hexachloroethane		ND	H	11	420
Indeno[1,2,3-cd]pyrene		ND	H	4.2	420
Isophorone		ND	H	17	420
Naphthalene		ND	H	4.2	420
Nitrobenzene		ND	H	2.8	420
N-Nitrosodi-n-propylamine		ND	H	34	420
N-Nitrosodiphenylamine		ND	H	27	420
Pentachlorophenol		ND	H	100	420
Phenol		ND	H	34	420
Phenanthrene		ND	H	4.2	420
Pyrene		ND	H	4.2	420
3 & 4 Methylphenol		ND	H	25	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	64		26 - 110
2,4,6-Tribromophenol (Surr)	56		10 - 118
Nitrobenzene-d5 (Surr)	52		24 - 112
Phenol-d5 (Surr)	64		28 - 110
Terphenyl-d14 (Surr)	76		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D10A.D
Dilution:	1.0			Initial Weight/Volume:	29.93 g
Analysis Date:	09/27/2011 1734			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	370
2,2'-oxybis[1-chloropropane]		ND		11	370
2,4,5-Trichlorophenol		ND		28	370
2,4,6-Trichlorophenol		ND		89	370
2,4-Dichlorophenol		ND		22	370
2,4-Dimethylphenol		ND		22	370
2,4-Dinitrophenol		ND		89	1800
2,4-Dinitrotoluene		ND		30	370
2,6-Dinitrotoluene		ND		23	370
2-Chloronaphthalene		ND		3.7	370
2-Chlorophenol		ND		30	370
2-Methylnaphthalene		ND		3.7	370
2-Methylphenol		ND		89	370
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	370
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		89	1800
4-Bromophenyl phenyl ether		ND		14	370
4-Chloro-3-methylphenol		ND		23	370
4-Chloroaniline		ND		19	370
4-Chlorophenyl phenyl ether		ND		14	370
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		89	1800
Acenaphthene		ND		3.7	370
Acenaphthylene		ND		3.7	370
Acetophenone		ND		10	370
Anthracene		ND		3.7	370
Atrazine		ND		10	370
Benzaldehyde		ND		13	370
Benzo[a]anthracene		ND		3.7	370
Benzo[a]pyrene		ND		3.7	370
Benzo[b]fluoranthene		ND		3.7	370
Benzo[g,h,i]perylene		ND		3.7	370
Benzo[k]fluoranthene		ND		3.7	370
Bis(2-chloroethoxy)methane		ND		25	370
Bis(2-chloroethyl)ether		ND		2.2	370
Bis(2-ethylhexyl) phthalate		35	J B *	21	370
Butyl benzyl phthalate		ND		11	370
Caprolactam		ND		41	370
Carbazole		ND		30	370
Chrysene		ND		1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Dibenzofuran		ND		3.7	370
Diethyl phthalate		ND		18	370
Dimethyl phthalate		ND		19	370

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3807D10A.D
Dilution:	1.0			Initial Weight/Volume:	29.93 g
Analysis Date:	09/27/2011 1734			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	370
Di-n-octyl phthalate		ND		30	370
Fluoranthene		ND		3.7	370
Fluorene		ND		3.7	370
Hexachlorobenzene		ND		2.3	370
Hexachlorobutadiene		ND		30	370
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		10	370
Indeno[1,2,3-cd]pyrene		ND		3.7	370
Isophorone		ND		14	370
Naphthalene		ND		3.7	370
Nitrobenzene		ND		2.5	370
N-Nitrosodi-n-propylamine		ND		30	370
N-Nitrosodiphenylamine		ND		23	370
Pentachlorophenol		ND		89	370
Phenol		ND		30	370
Phenanthrene		ND		3.7	370
Pyrene		ND		3.7	370
3 & 4 Methylphenol		ND		22	450

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		34 - 110
2-Fluorophenol (Surr)	69		26 - 110
2,4,6-Tribromophenol (Surr)	0	X	10 - 118
Nitrobenzene-d5 (Surr)	65		24 - 112
Phenol-d5 (Surr)	60		28 - 110
Terphenyl-d14 (Surr)	87		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003030.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	10/03/2011 2331	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	30	370
2,2'-oxybis[1-chloropropane]		ND	H	11	370
2,4,5-Trichlorophenol		ND	H	28	370
2,4,6-Trichlorophenol		ND	H	89	370
2,4-Dichlorophenol		ND	H	22	370
2,4-Dimethylphenol		ND	H	22	370
2,4-Dinitrophenol		ND	H	89	1800
2,4-Dinitrotoluene		ND	H	30	370
2,6-Dinitrotoluene		ND	H	23	370
2-Chloronaphthalene		ND	H	3.7	370
2-Chlorophenol		ND	H	30	370
2-Methylnaphthalene		ND	H	3.7	370
2-Methylphenol		ND	H	89	370
2-Nitroaniline		ND	H	10	1800
2-Nitrophenol		ND	H	30	370
3,3'-Dichlorobenzidine		ND	H	20	1800
3-Nitroaniline		ND	H	18	1800
4,6-Dinitro-2-methylphenol		ND	H	89	1800
4-Bromophenyl phenyl ether		ND	H	14	370
4-Chloro-3-methylphenol		ND	H	23	370
4-Chloroaniline		ND	H	19	370
4-Chlorophenyl phenyl ether		ND	H	14	370
4-Nitroaniline		ND	H	29	1800
4-Nitrophenol		ND	H	89	1800
Acenaphthene		ND	H	3.7	370
Acenaphthylene		ND	H	3.7	370
Acetophenone		ND	H	10	370
Anthracene		ND	H	3.7	370
Atrazine		ND	H	10	370
Benzaldehyde		ND	H	13	370
Benzo[a]anthracene		ND	H	3.7	370
Benzo[a]pyrene		ND	H	3.7	370
Benzo[b]fluoranthene		ND	H	3.7	370
Benzo[g,h,i]perylene		ND	H	3.7	370
Benzo[k]fluoranthene		ND	H	3.7	370
Bis(2-chloroethoxy)methane		ND	H	24	370
Bis(2-chloroethyl)ether		ND	H	2.2	370
Bis(2-ethylhexyl) phthalate		30	J H	21	370
Butyl benzyl phthalate		ND	H	11	370
Caprolactam		ND	H	41	370
Carbazole		ND	H	30	370
Chrysene		ND	H	1.2	370
Dibenz(a,h)anthracene		ND	H	3.7	370
Dibenzofuran		ND	H	3.7	370
Diethyl phthalate		ND	H	18	370
Dimethyl phthalate		ND	H	19	370

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-17205	Lab File ID:	1003030.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	10/03/2011 2331	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	17	370
Di-n-octyl phthalate		ND	H	30	370
Fluoranthene		ND	H	3.7	370
Fluorene		ND	H	3.7	370
Hexachlorobenzene		ND	H	2.3	370
Hexachlorobutadiene		ND	H	30	370
Hexachlorocyclopentadiene		ND	H	30	1800
Hexachloroethane		ND	H	10	370
Indeno[1,2,3-cd]pyrene		ND	H	3.7	370
Isophorone		ND	H	14	370
Naphthalene		ND	H	3.7	370
Nitrobenzene		ND	H	2.4	370
N-Nitrosodi-n-propylamine		ND	H	30	370
N-Nitrosodiphenylamine		ND	H	23	370
Pentachlorophenol		ND	H	89	370
Phenol		ND	H	30	370
Phenanthrene		ND	H	3.7	370
Pyrene		ND	H	3.7	370
3 & 4 Methylphenol		ND	H	22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	58		26 - 110
2,4,6-Tribromophenol (Surr)	54		10 - 118
Nitrobenzene-d5 (Surr)	49		24 - 112
Phenol-d5 (Surr)	56		28 - 110
Terphenyl-d14 (Surr)	73		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_6-8(20110912)**

Lab Sample ID: 240-3807-26 Date Sampled: 09/12/2011 1355
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17022	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0928034.D
Dilution:	25			Initial Weight/Volume:	30.04 g
Analysis Date:	09/28/2011 1929			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		710	8700
2,2'-oxybis[1-chloropropane]		ND		250	8700
2,4,5-Trichlorophenol		ND		660	8700
2,4,6-Trichlorophenol		ND		2100	8700
2,4-Dichlorophenol		ND		530	8700
2,4-Dimethylphenol		ND		530	8700
2,4-Dinitrophenol		ND		2100	42000
2,4-Dinitrotoluene		ND		710	8700
2,6-Dinitrotoluene		ND		550	8700
2-Chloronaphthalene		ND		87	8700
2-Chlorophenol		ND		710	8700
2-Methylnaphthalene		1000	J	87	8700
2-Methylphenol		ND		2100	8700
2-Nitroaniline		ND		240	42000
2-Nitrophenol		ND		710	8700
3,3'-Dichlorobenzidine		ND		470	42000
3-Nitroaniline		ND		420	42000
4,6-Dinitro-2-methylphenol		ND		2100	42000
4-Bromophenyl phenyl ether		ND		340	8700
4-Chloro-3-methylphenol		ND		550	8700
4-Chloroaniline		ND		450	8700
4-Chlorophenyl phenyl ether		ND		340	8700
4-Nitroaniline		ND		680	42000
4-Nitrophenol		ND		2100	42000
Acenaphthene		ND		87	8700
Acenaphthylene		ND		87	8700
Acetophenone		ND		240	8700
Anthracene		710	J	87	8700
Atrazine		ND		240	8700
Benzaldehyde		ND		320	8700
Benzo[a]anthracene		3500	J	87	8700
Benzo[a]pyrene		3500	J	87	8700
Benzo[b]fluoranthene		5000	J	87	8700
Benzo[g,h,i]perylene		2000	J	87	8700
Benzo[k]fluoranthene		900	J	87	8700
Bis(2-chloroethoxy)methane		ND		580	8700
Bis(2-chloroethyl)ether		ND		53	8700
Bis(2-ethylhexyl) phthalate		ND		500	8700
Butyl benzyl phthalate		ND		260	8700
Caprolactam		ND		970	8700
Carbazole		ND		710	8700
Chrysene		3600	J	29	8700
Dibenz(a,h)anthracene		720	J	87	8700
Dibenzofuran		200	J	87	8700
Diethyl phthalate		ND		420	8700
Dimethyl phthalate		ND		450	8700

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_6-8(20110912)**

Lab Sample ID: 240-3807-26 Date Sampled: 09/12/2011 1355
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-17022	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0928034.D
Dilution:	25			Initial Weight/Volume:	30.04 g
Analysis Date:	09/28/2011 1929			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		390	8700
Di-n-octyl phthalate		ND		710	8700
Fluoranthene		5700	J	87	8700
Fluorene		350	J	87	8700
Hexachlorobenzene		ND		55	8700
Hexachlorobutadiene		ND		710	8700
Hexachlorocyclopentadiene		ND		710	42000
Hexachloroethane		ND		240	8700
Indeno[1,2,3-cd]pyrene		1600	J	87	8700
Isophorone		ND		340	8700
Naphthalene		110	J	87	8700
Nitrobenzene		ND		58	8700
N-Nitrosodi-n-propylamine		ND		710	8700
N-Nitrosodiphenylamine		ND		550	8700
Pentachlorophenol		ND		2100	8700
Phenol		ND		710	8700
Phenanthrene		2200	J	87	8700
Pyrene		5100	J	87	8700
3 & 4 Methylphenol		ND		530	11000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		34 - 110
2-Fluorophenol (Surr)	68		26 - 110
2,4,6-Tribromophenol (Surr)	66		10 - 118
Nitrobenzene-d5 (Surr)	45		24 - 112
Phenol-d5 (Surr)	52		28 - 110
Terphenyl-d14 (Surr)	77		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_8-10(20110912)**

Lab Sample ID: 240-3807-27 Date Sampled: 09/12/2011 1405
Client Matrix: Solid % Moisture: 2.3 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927027.D
Dilution:	50			Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 2014			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		1400	17000
2,2'-oxybis[1-chloropropane]		ND		480	17000
2,4,5-Trichlorophenol		ND		1300	17000
2,4,6-Trichlorophenol		ND		4100	17000
2,4-Dichlorophenol		ND		1000	17000
2,4-Dimethylphenol		ND		1000	17000
2,4-Dinitrophenol		ND		4100	82000
2,4-Dinitrotoluene		ND		1400	17000
2,6-Dinitrotoluene		ND		1100	17000
2-Chloronaphthalene		ND		170	17000
2-Chlorophenol		ND		1400	17000
2-Methylnaphthalene		ND		170	17000
2-Methylphenol		ND		4100	17000
2-Nitroaniline		ND		460	82000
2-Nitrophenol		ND		1400	17000
3,3'-Dichlorobenzidine		ND		920	82000
3-Nitroaniline		ND		820	82000
4,6-Dinitro-2-methylphenol		ND		4100	82000
4-Bromophenyl phenyl ether		ND		660	17000
4-Chloro-3-methylphenol		ND		1100	17000
4-Chloroaniline		ND		870	17000
4-Chlorophenyl phenyl ether		ND		660	17000
4-Nitroaniline		ND		1300	82000
4-Nitrophenol		ND		4100	82000
Acenaphthene		ND		170	17000
Acenaphthylene		ND		170	17000
Acetophenone		ND		470	17000
Anthracene		ND		170	17000
Atrazine		ND		460	17000
Benzaldehyde		ND		610	17000
Benzo[a]anthracene		ND		170	17000
Benzo[a]pyrene		ND		170	17000
Benzo[b]fluoranthene		ND		170	17000
Benzo[g,h,i]perylene		ND		170	17000
Benzo[k]fluoranthene		ND		170	17000
Bis(2-chloroethoxy)methane		ND		1100	17000
Bis(2-chloroethyl)ether		ND		100	17000
Bis(2-ethylhexyl) phthalate		ND		970	17000
Butyl benzyl phthalate		ND		510	17000
Caprolactam		ND		1900	17000
Carbazole		ND		1400	17000
Chrysene		ND		56	17000
Dibenz(a,h)anthracene		ND		170	17000
Dibenzofuran		ND		170	17000
Diethyl phthalate		ND		820	17000
Dimethyl phthalate		ND		870	17000

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_8-10(20110912)**

Lab Sample ID: 240-3807-27 Date Sampled: 09/12/2011 1405
Client Matrix: Solid % Moisture: 2.3 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927027.D
Dilution:	50			Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 2014			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		770	17000
Di-n-octyl phthalate		ND		1400	17000
Fluoranthene		210	J	170	17000
Fluorene		ND		170	17000
Hexachlorobenzene		ND		110	17000
Hexachlorobutadiene		ND		1400	17000
Hexachlorocyclopentadiene		ND		1400	82000
Hexachloroethane		ND		460	17000
Indeno[1,2,3-cd]pyrene		ND		170	17000
Isophorone		ND		660	17000
Naphthalene		ND		170	17000
Nitrobenzene		ND		110	17000
N-Nitrosodi-n-propylamine		ND		1400	17000
N-Nitrosodiphenylamine		ND		1100	17000
Pentachlorophenol		ND		4100	17000
Phenol		ND		1400	17000
Phenanthrene		ND		170	17000
Pyrene		180	J	170	17000
3 & 4 Methylphenol		ND		1000	20000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	36		34 - 110
2-Fluorophenol (Surr)	52		26 - 110
2,4,6-Tribromophenol (Surr)	0	X	10 - 118
Nitrobenzene-d5 (Surr)	27		24 - 112
Phenol-d5 (Surr)	39		28 - 110
Terphenyl-d14 (Surr)	42		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-193_1-2(20110912)**

Lab Sample ID: 240-3807-28 Date Sampled: 09/12/2011 1420
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927018.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	09/27/2011 1729			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		32	390
2,2'-oxybis[1-chloropropane]		ND		11	390
2,4,5-Trichlorophenol		ND		30	390
2,4,6-Trichlorophenol		ND		95	390
2,4-Dichlorophenol		ND		24	390
2,4-Dimethylphenol		ND		24	390
2,4-Dinitrophenol		ND		95	1900
2,4-Dinitrotoluene		ND		32	390
2,6-Dinitrotoluene		ND		25	390
2-Chloronaphthalene		ND		3.9	390
2-Chlorophenol		ND		32	390
2-Methylnaphthalene		4.5	J	3.9	390
2-Methylphenol		ND		95	390
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		32	390
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		95	1900
4-Bromophenyl phenyl ether		ND		15	390
4-Chloro-3-methylphenol		ND		25	390
4-Chloroaniline		ND		20	390
4-Chlorophenyl phenyl ether		ND		15	390
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		95	1900
Acenaphthene		ND		3.9	390
Acenaphthylene		ND		3.9	390
Acetophenone		ND		11	390
Anthracene		4.3	J	3.9	390
Atrazine		ND		11	390
Benzaldehyde		ND		14	390
Benzo[a]anthracene		26	J	3.9	390
Benzo[a]pyrene		31	J	3.9	390
Benzo[b]fluoranthene		40	J	3.9	390
Benzo[g,h,i]perylene		24	J	3.9	390
Benzo[k]fluoranthene		15	J	3.9	390
Bis(2-chloroethoxy)methane		ND		26	390
Bis(2-chloroethyl)ether		ND		2.4	390
Bis(2-ethylhexyl) phthalate		ND		23	390
Butyl benzyl phthalate		ND		12	390
Caprolactam		ND		44	390
Carbazole		ND		32	390
Chrysene		34	J	1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Dibenzofuran		ND		3.9	390
Diethyl phthalate		ND		19	390
Dimethyl phthalate		ND		20	390

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-193_1-2(20110912)**

Lab Sample ID: 240-3807-28 Date Sampled: 09/12/2011 1420
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927018.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	09/27/2011 1729			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	390
Di-n-octyl phthalate		ND		32	390
Fluoranthene		55	J	3.9	390
Fluorene		ND		3.9	390
Hexachlorobenzene		ND		2.5	390
Hexachlorobutadiene		ND		32	390
Hexachlorocyclopentadiene		ND		32	1900
Hexachloroethane		ND		11	390
Indeno[1,2,3-cd]pyrene		15	J	3.9	390
Isophorone		ND		15	390
Naphthalene		5.1	J	3.9	390
Nitrobenzene		ND		2.6	390
N-Nitrosodi-n-propylamine		ND		32	390
N-Nitrosodiphenylamine		ND		25	390
Pentachlorophenol		ND		95	390
Phenol		ND		32	390
Phenanthrene		20	J	3.9	390
Pyrene		46	J	3.9	390
3 & 4 Methylphenol		ND		24	470

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	56		26 - 110
2,4,6-Tribromophenol (Surr)	51		10 - 118
Nitrobenzene-d5 (Surr)	49		24 - 112
Phenol-d5 (Surr)	55		28 - 110
Terphenyl-d14 (Surr)	66		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_10-12(20110912)**

Lab Sample ID: 240-3807-29 Date Sampled: 09/12/2011 1515
Client Matrix: Solid % Moisture: 7.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927028.D
Dilution:	10			Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 2032			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		290	3600
2,2'-oxybis[1-chloropropane]		ND		100	3600
2,4,5-Trichlorophenol		ND		270	3600
2,4,6-Trichlorophenol		ND		860	3600
2,4-Dichlorophenol		ND		220	3600
2,4-Dimethylphenol		ND		220	3600
2,4-Dinitrophenol		ND		860	17000
2,4-Dinitrotoluene		ND		290	3600
2,6-Dinitrotoluene		ND		230	3600
2-Chloronaphthalene		ND		36	3600
2-Chlorophenol		ND		290	3600
2-Methylnaphthalene		340	J	36	3600
2-Methylphenol		ND		860	3600
2-Nitroaniline		ND		98	17000
2-Nitrophenol		ND		290	3600
3,3'-Dichlorobenzidine		ND		190	17000
3-Nitroaniline		ND		170	17000
4,6-Dinitro-2-methylphenol		ND		860	17000
4-Bromophenyl phenyl ether		ND		140	3600
4-Chloro-3-methylphenol		ND		230	3600
4-Chloroaniline		ND		180	3600
4-Chlorophenyl phenyl ether		ND		140	3600
4-Nitroaniline		ND		280	17000
4-Nitrophenol		ND		860	17000
Acenaphthene		ND		36	3600
Acenaphthylene		ND		36	3600
Acetophenone		ND		99	3600
Anthracene		ND		36	3600
Atrazine		ND		98	3600
Benzaldehyde		ND		130	3600
Benzo[a]anthracene		170	J	36	3600
Benzo[a]pyrene		630	J	36	3600
Benzo[b]fluoranthene		ND		36	3600
Benzo[g,h,i]perylene		ND		36	3600
Benzo[k]fluoranthene		ND		36	3600
Bis(2-chloroethoxy)methane		ND		240	3600
Bis(2-chloroethyl)ether		ND		22	3600
Bis(2-ethylhexyl) phthalate		ND		200	3600
Butyl benzyl phthalate		ND		110	3600
Caprolactam		ND		400	3600
Carbazole		ND		290	3600
Chrysene		340	J	12	3600
Dibenz(a,h)anthracene		ND		36	3600
Dibenzofuran		ND		36	3600
Diethyl phthalate		ND		170	3600
Dimethyl phthalate		ND		180	3600

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_10-12(20110912)**

Lab Sample ID: 240-3807-29 Date Sampled: 09/12/2011 1515
Client Matrix: Solid % Moisture: 7.1 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927028.D
Dilution:	10			Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 2032			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		160	3600
Di-n-octyl phthalate		ND		290	3600
Fluoranthene		160	J	36	3600
Fluorene		100	J	36	3600
Hexachlorobenzene		ND		23	3600
Hexachlorobutadiene		ND		290	3600
Hexachlorocyclopentadiene		ND		290	17000
Hexachloroethane		ND		97	3600
Indeno[1,2,3-cd]pyrene		ND		36	3600
Isophorone		ND		140	3600
Naphthalene		80	J	36	3600
Nitrobenzene		ND		24	3600
N-Nitrosodi-n-propylamine		ND		290	3600
N-Nitrosodiphenylamine		ND		230	3600
Pentachlorophenol		ND		860	3600
Phenol		ND		290	3600
Phenanthrene		420	J	36	3600
Pyrene		790	J	36	3600
3 & 4 Methylphenol		ND		220	4300

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
2,4,6-Tribromophenol (Surr)	43		10 - 118
Nitrobenzene-d5 (Surr)	51		24 - 112
Phenol-d5 (Surr)	58		28 - 110
Terphenyl-d14 (Surr)	54		41 - 119

Client Sample ID: **ASB-194_13-15(20110912)**

Lab Sample ID: 240-3807-30 Date Sampled: 09/12/2011 1520
Client Matrix: Solid % Moisture: 9.6 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927019.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1748			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	360
2,2'-oxybis[1-chloropropane]		ND		10	360
2,4,5-Trichlorophenol		ND		28	360
2,4,6-Trichlorophenol		ND		88	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND		88	1800
2,4-Dinitrotoluene		ND		30	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		30	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		88	360
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	360
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		88	1800
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		19	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		88	1800
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Acetophenone		ND		10	360
Anthracene		ND		3.6	360
Atrazine		ND		10	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		14	J	3.6	360
Benzo[a]pyrene		14	J	3.6	360
Benzo[b]fluoranthene		17	J	3.6	360
Benzo[g,h,i]perylene		11	J	3.6	360
Benzo[k]fluoranthene		6.7	J	3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		21	J	21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		41	360
Carbazole		ND		30	360
Chrysene		16	J	1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		18	360
Dimethyl phthalate		ND		19	360

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_13-15(20110912)**

Lab Sample ID: 240-3807-30 Date Sampled: 09/12/2011 1520
Client Matrix: Solid % Moisture: 9.6 Date Received: 09/14/2011 1734

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-16303	Lab File ID:	0927019.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1748			Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	360
Di-n-octyl phthalate		ND		30	360
Fluoranthene		22	J	3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		30	360
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		9.9	360
Indeno[1,2,3-cd]pyrene		8.4	J	3.6	360
Isophorone		ND		14	360
Naphthalene		ND		3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		30	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		88	360
Phenol		ND		30	360
Phenanthrene		7.5	J	3.6	360
Pyrene		25	J	3.6	360
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		34 - 110
2-Fluorophenol (Surr)	65		26 - 110
2,4,6-Tribromophenol (Surr)	67		10 - 118
Nitrobenzene-d5 (Surr)	57		24 - 112
Phenol-d5 (Surr)	62		28 - 110
Terphenyl-d14 (Surr)	76		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-174_4-6(20110907)**

Lab Sample ID: 240-3807-1 Date Sampled: 09/07/2011 1630
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/14/2011 1734

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16936	Lab File ID:	YF092809.D
Dilution:	1.0			Initial Weight/Volume:	9.482 g
Analysis Date:	09/28/2011 1436			Final Weight/Volume:	10 mL
Prep Date:	09/27/2011 1339			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.41	13

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-182_2-4(20110909)**

Lab Sample ID: 240-3807-2 Date Sampled: 09/09/2011 1145
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/14/2011 1734

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16936	Lab File ID:	YF092812.D
Dilution:	100			Initial Weight/Volume:	11.484 g
Analysis Date:	09/28/2011 1635			Final Weight/Volume:	11.5 mL
Prep Date:	09/27/2011 1339			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		6200		41	1300

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-181_6-8(20110909)**

Lab Sample ID: 240-3807-4 Date Sampled: 09/09/2011 1405
Client Matrix: Solid % Moisture: 18.4 Date Received: 09/14/2011 1734

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16936	Lab File ID:	YF092815.D
Dilution:	10			Initial Weight/Volume:	10.574 g
Analysis Date:	09/28/2011 1831			Final Weight/Volume:	10 mL
Prep Date:	09/27/2011 1339			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		190		3.7	120

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-183_0-2(20110909)**

Lab Sample ID: 240-3807-5 Date Sampled: 09/09/2011 1445
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16936	Lab File ID:	YF092816.D
Dilution:	1.0			Initial Weight/Volume:	12.523 g
Analysis Date:	09/28/2011 1910			Final Weight/Volume:	12.5 mL
Prep Date:	09/27/2011 1339			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		2.1	J	0.34	11

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-16128	Initial Weight/Volume:	29.97 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/23/2011 1108			Injection Volume:	1 mL
Prep Date:	09/21/2011 0938			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		29	45
Aroclor-1221		ND		22	45
Aroclor-1232		ND		19	45
Aroclor-1242		ND		18	45
Aroclor-1248		ND		23	45
Aroclor-1254		ND		23	45
Aroclor-1260		ND		23	45

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	90		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-16128	Initial Weight/Volume:	29.87 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/23/2011 1124			Injection Volume:	1 mL
Prep Date:	09/21/2011 0938			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		15	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		29 - 151
DCB Decachlorobiphenyl	76		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-174_4-6(20110907)**

Lab Sample ID: 240-3807-1 Date Sampled: 09/07/2011 1630
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/14/2011 1734

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-15710	Lab File ID:	P5092208.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Analysis Date:	09/22/2011 1038			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		6.7	J B	1.2	9.4

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-182_2-4(20110909)**

Lab Sample ID: 240-3807-2 Date Sampled: 09/09/2011 1145
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/14/2011 1734

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16663	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-15710	Lab File ID:	P5092606.D
Dilution:	100			Initial Weight/Volume:	28.52 g
Analysis Date:	09/26/2011 1125			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3600	B	130	1100

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-15710	Lab File ID:	P5092212.D
Dilution:	1.0			Initial Weight/Volume:	27.73 g
Analysis Date:	09/22/2011 1233			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		20	B	1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-181_6-8(20110909)**

Lab Sample ID: 240-3807-4 Date Sampled: 09/09/2011 1405
Client Matrix: Solid % Moisture: 18.4 Date Received: 09/14/2011 1734

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-15710	Lab File ID:	P5092213.D
Dilution:	1.0			Initial Weight/Volume:	28.67 g
Analysis Date:	09/22/2011 1302			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		56	B	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-183_0-2(20110909)**

Lab Sample ID: 240-3807-5 Date Sampled: 09/09/2011 1445
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-15710	Lab File ID:	P5092214.D
Dilution:	10			Initial Weight/Volume:	29.03 g
Analysis Date:	09/22/2011 1330			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		190	B	11	87

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Prep Method:	WI DRO PREP	Prep Batch:	240-15710	Lab File ID:	P5092215.D
Dilution:	1.0			Initial Weight/Volume:	27.34 g
Analysis Date:	09/22/2011 1359			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		4.3	J B	1.2	9.8

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-174_4-6(20110907)**

Lab Sample ID: 240-3807-1 Date Sampled: 09/07/2011 1630
Client Matrix: Solid % Moisture: 16.8 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.24 g
Analysis Date:	09/27/2011 1614			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6900		9.3	19
Antimony		ND		0.38	0.97
Barium		29	B	0.069	19
Beryllium		0.59		0.042	0.48
Calcium		21000	B	16	480
Cadmium		ND		0.035	0.19
Cobalt		11		0.16	4.8
Chromium		14		0.19	0.48
Copper		170		0.72	2.4
Iron		15000		4.7	9.7
Potassium		3500	B	6.0	480
Magnesium		6900	B	4.9	480
Silver		ND		0.097	0.48
Sodium		220	J	64	480
Nickel		21		0.26	3.9
Vanadium		6.9		0.12	4.8
Zinc		22		0.97	1.9
Arsenic		6.8		0.29	0.97
Lead		5.3		0.18	0.29
Selenium		ND		0.44	0.48
Thallium		ND		0.53	0.97

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.24 g
Analysis Date:	09/28/2011 0725			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Manganese		230	B	0.072	1.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Analysis Date:	09/16/2011 1806			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-182_2-4(20110909)**

Lab Sample ID: 240-3807-2 Date Sampled: 09/09/2011 1145
Client Matrix: Solid % Moisture: 21.3 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	09/27/2011 1540			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8800		12	24
Antimony		7.2		0.47	1.2
Barium		900	B	0.086	24
Beryllium		0.68		0.052	0.60
Calcium		15000	B	19	600
Cadmium		2.5		0.044	0.24
Cobalt		13		0.19	6.0
Chromium		86		0.24	0.60
Copper		33		0.89	3.0
Iron		17000		5.9	12
Potassium		3700	B	7.5	600
Magnesium		5100	B	6.2	600
Manganese		390	B	0.089	1.8
Silver		ND		0.12	0.60
Sodium		490	J	80	600
Nickel		25		0.33	4.8
Vanadium		10		0.15	6.0
Zinc		670		1.2	2.4
Arsenic		7.2		0.36	1.2
Lead		700		0.23	0.36
Selenium		1.2		0.54	0.60
Thallium		ND		0.67	1.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	09/16/2011 1759			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.042	J	0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305
Client Matrix: Solid % Moisture: 26.7 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/27/2011 1620			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		96	B	0.091	26
Cadmium		0.14	J	0.046	0.26
Chromium		16		0.26	0.64
Silver		ND		0.13	0.64
Arsenic		5.7		0.39	1.3
Lead		8.3		0.24	0.39
Selenium		1.1		0.58	0.64

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	09/16/2011 1807			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.020	0.13

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-181_6-8(20110909)**

Lab Sample ID: 240-3807-4 Date Sampled: 09/09/2011 1405
Client Matrix: Solid % Moisture: 18.4 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	09/27/2011 1625			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12000		12	24
Antimony		3.9		0.47	1.2
Barium		130	B	0.085	24
Beryllium		0.86		0.052	0.60
Calcium		4600	B	19	600
Cadmium		0.14	J	0.043	0.24
Cobalt		18		0.19	6.0
Chromium		19		0.24	0.60
Copper		16		0.89	3.0
Iron		21000		5.9	12
Potassium		2500	B	7.5	600
Magnesium		3700	B	6.1	600
Silver		ND		0.12	0.60
Sodium		300	J	79	600
Nickel		30		0.32	4.8
Vanadium		27		0.14	6.0
Zinc		64		1.2	2.4
Arsenic		6.8		0.36	1.2
Lead		66		0.23	0.36
Selenium		0.54	J	0.54	0.60
Thallium		ND		0.66	1.2

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	09/28/2011 0731			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Manganese		200	B	0.089	1.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.84 g
Analysis Date:	09/16/2011 1808			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.052	J	0.013	0.088

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-183_0-2(20110909)**

Lab Sample ID: 240-3807-5 Date Sampled: 09/09/2011 1445
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	09/27/2011 1631			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2400		9.7	20
Antimony		ND		0.39	1.0
Barium		19	J B	0.072	20
Beryllium		0.23	J	0.044	0.51
Cadmium		0.11	J	0.036	0.20
Cobalt		3.9	J	0.16	5.1
Chromium		5.5		0.20	0.51
Copper		9.5		0.75	2.5
Iron		10000		5.0	10
Potassium		620	B	6.3	510
Silver		0.10	J	0.10	0.51
Sodium		180	J	67	510
Nickel		15		0.27	4.0
Vanadium		15		0.12	5.1
Zinc		31		1.0	2.0
Arsenic		2.6		0.30	1.0
Lead		8.9		0.19	0.30
Selenium		ND		0.46	0.51
Thallium		ND		0.56	1.0

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	5.0			Initial Weight/Volume:	1.04 g
Analysis Date:	09/28/2011 0737			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		110000	B	81	2500
Magnesium		59000	B	26	2500
Manganese		810	B	0.37	7.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	09/16/2011 1810			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.014	0.096

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548
Client Matrix: Solid % Moisture: 7.3 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	09/27/2011 1637			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		61	B	0.074	21
Cadmium		0.066	J	0.037	0.21
Chromium		8.9		0.21	0.52
Silver		ND		0.10	0.52
Arsenic		3.2		0.31	1.0
Lead		4.4		0.20	0.31
Selenium		ND		0.47	0.52

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.81 g
Analysis Date:	09/16/2011 1811			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.020	J	0.012	0.080

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550
Client Matrix: Solid % Moisture: 21.1 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	09/27/2011 1642			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		27	B	0.087	24
Cadmium		ND		0.044	0.24
Chromium		19		0.24	0.61
Silver		ND		0.12	0.61
Arsenic		4.5		0.37	1.2
Lead		2.6		0.23	0.37
Selenium		ND		0.55	0.61

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	09/16/2011 1812			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620
Client Matrix: Solid % Moisture: 4.5 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.23 g
Analysis Date:	09/27/2011 1648			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		39	B	0.060	17
Cadmium		ND		0.031	0.17
Chromium		14		0.17	0.43
Silver		ND		0.085	0.43
Arsenic		2.8		0.26	0.85
Lead		2.7		0.16	0.26
Selenium		ND		0.38	0.43

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Analysis Date:	09/16/2011 1813			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.014	0.092

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622
Client Matrix: Solid % Moisture: 21.7 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.13 g
Analysis Date:	09/27/2011 1654			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		20	J B	0.080	23
Cadmium		ND		0.041	0.23
Chromium		15		0.23	0.57
Silver		ND		0.11	0.57
Arsenic		4.7		0.34	1.1
Lead		2.7		0.21	0.34
Selenium		ND		0.51	0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.77 g
Analysis Date:	09/16/2011 1815			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.015	0.099

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755
Client Matrix: Solid % Moisture: 10.1 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/27/2011 1659			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		54	B	0.074	21
Cadmium		0.094	J	0.038	0.21
Chromium		11		0.21	0.52
Silver		ND		0.10	0.52
Arsenic		4.3		0.31	1.0
Lead		2.8		0.20	0.31
Selenium		ND		0.47	0.52

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.70 g
Analysis Date:	09/16/2011 1816			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.014	0.095

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-188_0-2(20110912)**

Lab Sample ID: 240-3807-11 Date Sampled: 09/12/2011 0940
Client Matrix: Solid % Moisture: 14.9 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Analysis Date:	09/27/2011 1705			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		12		0.19	0.30

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1102			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-188_4-6(20110912)**

Lab Sample ID: 240-3807-12 Date Sampled: 09/12/2011 0945
Client Matrix: Solid % Moisture: 11.8 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.25 g
Analysis Date:	09/27/2011 1722			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		8.8		0.17	0.27

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1108			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		0.0025	J B	0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-189_0-2(20110912)**

Lab Sample ID: 240-3807-14 Date Sampled: 09/12/2011 1040
Client Matrix: Solid % Moisture: 15.4 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/27/2011 1728			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		16		0.21	0.33

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1114			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-189_4-6(20110912)**

Lab Sample ID: 240-3807-15 Date Sampled: 09/12/2011 1045
Client Matrix: Solid % Moisture: 7.0 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	09/27/2011 1733			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		2.5		0.20	0.31

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1119			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-190_0-2(20110912)**

Lab Sample ID: 240-3807-17 Date Sampled: 09/12/2011 1115
Client Matrix: Solid % Moisture: 3.6 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.20 g
Analysis Date:	09/27/2011 1739			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		12		0.16	0.26

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1125			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		0.0043	J B	0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-190_8-10(20110912)**

Lab Sample ID: 240-3807-18 Date Sampled: 09/12/2011 1120
Client Matrix: Solid % Moisture: 11.7 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	09/27/2011 1745			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		4.9		0.20	0.32

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1131			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-191_0-2(20110912)**

Lab Sample ID: 240-3807-20 Date Sampled: 09/12/2011 1150
Client Matrix: Solid % Moisture: 20.4 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/27/2011 1750			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		2.5		0.21	0.33

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1136			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		0.0033	J B	0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-191_4-6(20110912)**

Lab Sample ID: 240-3807-21 Date Sampled: 09/12/2011 1155
Client Matrix: Solid % Moisture: 8.6 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	09/27/2011 1756			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		9.2		0.20	0.32

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1142			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-192_0-2(20110912)**

Lab Sample ID: 240-3807-23 Date Sampled: 09/12/2011 1230
Client Matrix: Solid % Moisture: 11.1 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/27/2011 1802			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		4.4		0.19	0.31

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1148			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-192_4-6(20110912)**

Lab Sample ID: 240-3807-24 Date Sampled: 09/12/2011 1235
Client Matrix: Solid % Moisture: 9.7 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-17001	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/27/2011 1807			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		3.8		0.19	0.30

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-16267	Instrument ID:	I5
Prep Method:	3010A	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1153			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 959				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		ND		0.0019	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_6-8(20110912)**

Lab Sample ID: 240-3807-26 Date Sampled: 09/12/2011 1355
Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-16896	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	09/26/2011 2242			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		47	B	0.073	21
Cadmium		ND		0.037	0.21
Chromium		12		0.21	0.52
Silver		ND		0.10	0.52
Arsenic		3.8	B	0.31	1.0
Lead		31		0.20	0.31
Selenium		ND	L	0.46	0.52

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	09/16/2011 1820			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	J	0.015	0.097

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-195_8-10(20110912)**

Lab Sample ID: 240-3807-27 Date Sampled: 09/12/2011 1405
Client Matrix: Solid % Moisture: 2.3 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-16896	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	09/26/2011 2307			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		46	B	0.071	20
Cadmium		ND		0.036	0.20
Chromium		9.0		0.20	0.50
Silver		ND		0.099	0.50
Arsenic		2.2	B	0.30	0.99
Lead		16		0.19	0.30
Selenium		ND	L	0.45	0.50

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.75 g
Analysis Date:	09/16/2011 1821			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.012	0.082

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-193_1-2(20110912)**

Lab Sample ID: 240-3807-28 Date Sampled: 09/12/2011 1420
Client Matrix: Solid % Moisture: 15.6 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-16896	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	09/26/2011 2338			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		90	B	0.083	23
Cadmium		ND		0.042	0.23
Chromium		11		0.23	0.59
Silver		ND		0.12	0.59
Arsenic		3.9	B	0.35	1.2
Lead		23		0.22	0.35
Selenium		ND		0.53	0.59

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.86 g
Analysis Date:	09/16/2011 1822			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.065	J	0.012	0.083

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_10-12(20110912)**

Lab Sample ID: 240-3807-29 Date Sampled: 09/12/2011 1515
Client Matrix: Solid % Moisture: 7.1 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-16896	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	09/26/2011 2313			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		38	B	0.071	20
Cadmium		ND		0.036	0.20
Chromium		9.7		0.20	0.50
Silver		ND		0.10	0.50
Arsenic		3.1	B	0.30	1.0
Lead		14		0.19	0.30
Selenium		ND	L	0.45	0.50

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.70 g
Analysis Date:	09/16/2011 1824			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.014	0.092

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Client Sample ID: **ASB-194_13-15(20110912)**

Lab Sample ID: 240-3807-30 Date Sampled: 09/12/2011 1520
Client Matrix: Solid % Moisture: 9.6 Date Received: 09/14/2011 1734

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-16896	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	09/26/2011 2319			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		53	B	0.077	22
Cadmium		ND	L	0.039	0.22
Chromium		12		0.22	0.54
Silver		ND		0.11	0.54
Arsenic		5.6	B	0.33	1.1
Lead		4.6		0.21	0.33
Selenium		ND	L	0.49	0.54

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.78 g
Analysis Date:	09/16/2011 1825			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.013	0.085

General Chemistry

Client Sample ID: **ASB-174_4-6(20110907)**

Lab Sample ID: 240-3807-1 Date Sampled: 09/07/2011 1630

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 0953						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 0953						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-182_2-4(20110909)**

Lab Sample ID: 240-3807-2 Date Sampled: 09/09/2011 1145

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-184_2-4(20110909)**

Lab Sample ID: 240-3807-3 Date Sampled: 09/09/2011 1305

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 0953						DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 0953						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-181_6-8(20110909)**

Lab Sample ID: 240-3807-4 Date Sampled: 09/09/2011 1405

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-183_0-2(20110909)**

Lab Sample ID: 240-3807-5 Date Sampled: 09/09/2011 1445

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	5.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-185_0-2(20110909)**

Lab Sample ID: 240-3807-6 Date Sampled: 09/09/2011 1548

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	7.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-185_4-6(20110909)**

Lab Sample ID: 240-3807-7 Date Sampled: 09/09/2011 1550

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-186_0-2(20110909)**

Lab Sample ID: 240-3807-8 Date Sampled: 09/09/2011 1620

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	4.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-186_4-6(20110909)**

Lab Sample ID: 240-3807-9 Date Sampled: 09/09/2011 1622

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-187_2-4(20110909)**

Lab Sample ID: 240-3807-10 Date Sampled: 09/09/2011 1755

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-188_0-2(20110912)**

Lab Sample ID: 240-3807-11 Date Sampled: 09/12/2011 0940

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-188_4-6(20110912)**

Lab Sample ID: 240-3807-12 Date Sampled: 09/12/2011 0945

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-189_0-2(20110912)**

Lab Sample ID: 240-3807-14 Date Sampled: 09/12/2011 1040

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-189_4-6(20110912)**

Lab Sample ID: 240-3807-15 Date Sampled: 09/12/2011 1045

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	7.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-190_0-2(20110912)**

Lab Sample ID: 240-3807-17 Date Sampled: 09/12/2011 1115

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	3.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-190_8-10(20110912)**

Lab Sample ID: 240-3807-18 Date Sampled: 09/12/2011 1120

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-191_0-2(20110912)**

Lab Sample ID: 240-3807-20 Date Sampled: 09/12/2011 1150

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-191_4-6(20110912)**

Lab Sample ID: 240-3807-21 Date Sampled: 09/12/2011 1155

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N
Percent Moisture	8.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-192_0-2(20110912)**

Lab Sample ID: 240-3807-23 Date Sampled: 09/12/2011 1230

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-192_4-6(20110912)**

Lab Sample ID: 240-3807-24 Date Sampled: 09/12/2011 1235

Client Matrix: Solid Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N
Percent Moisture	9.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-195_6-8(20110912)**

Lab Sample ID: 240-3807-26 Date Sampled: 09/12/2011 1355

Client Matrix: Solid % Moisture: 5.0 Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Free	ND		ug/Kg	16	62	1.0	D4282_02
	Analysis Batch: 220-54931	Analysis Date: 09/19/2011 1740					DryWt Corrected: Y
	Prep Batch: 220-54919	Prep Date: 09/19/2011 1220					
Percent Solids	95		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020					DryWt Corrected: N
Percent Moisture	5.0		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020					DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-195_8-10(20110912)**

Lab Sample ID: 240-3807-27 Date Sampled: 09/12/2011 1405

Client Matrix: Solid % Moisture: 2.3 Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Free	ND		ug/Kg	15	61	1.0	D4282_02
	Analysis Batch: 220-54931	Analysis Date: 09/19/2011 1742					DryWt Corrected: Y
	Prep Batch: 220-54919	Prep Date: 09/19/2011 1220					
Percent Solids	98		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020					DryWt Corrected: N
Percent Moisture	2.3		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020					DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-193_1-2(20110912)**

Lab Sample ID: 240-3807-28 Date Sampled: 09/12/2011 1420

Client Matrix: Solid % Moisture: 15.6 Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Free	ND		ug/Kg	18	71	1.0	D4282_02
Analysis Batch: 220-54931	Analysis Date: 09/19/2011 1743						DryWt Corrected: Y
Prep Batch: 220-54919	Prep Date: 09/19/2011 1220						
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-194_10-12(20110912)**

Lab Sample ID: 240-3807-29 Date Sampled: 09/12/2011 1515

Client Matrix: Solid % Moisture: 7.1 Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Free	ND		ug/Kg	16	64	1.0	D4282_02
	Analysis Batch: 220-54931	Analysis Date: 09/19/2011 1748					DryWt Corrected: Y
	Prep Batch: 220-54919	Prep Date: 09/19/2011 1220					
Percent Solids	93		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020					DryWt Corrected: N
Percent Moisture	7.1		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1020					DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-194_13-15(20110912)**

Lab Sample ID: 240-3807-30 Date Sampled: 09/12/2011 1520

Client Matrix: Solid % Moisture: 9.6 Date Received: 09/14/2011 1734

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Free	33	J	ug/Kg	16	66	1.0	D4282_02
Analysis Batch: 220-54931	Analysis Date: 09/19/2011 1754						DryWt Corrected: Y
Prep Batch: 220-54919	Prep Date: 09/19/2011 1220						
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1021						DryWt Corrected: N
Percent Moisture	9.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-15476	Analysis Date: 09/15/2011 1021						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
GC VOA		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Section	Qualifier	Description
GC Semi VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	L	A negative instrument reading had an absolute value greater than the reporting limit
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
General Chemistry		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-15869					
LCS 240-15869/2-A	Lab Control Sample	T	Solid	5035	
MB 240-15869/1-A	Method Blank	T	Solid	5035	
240-3807-1	ASB-174_4-6(20110907)	T	Solid	5035	
240-3807-2	ASB-182_2-4(20110909)	T	Solid	5035	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	5035	
240-3807-4	ASB-181_6-8(20110909)	T	Solid	5035	
240-3807-5	ASB-183_0-2(20110909)	T	Solid	5035	
240-3807-6	ASB-185_0-2(20110909)	T	Solid	5035	
240-3807-7	ASB-185_4-6(20110909)	T	Solid	5035	
240-3807-8	ASB-186_0-2(20110909)	T	Solid	5035	
240-3807-9	ASB-186_4-6(20110909)	T	Solid	5035	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	5035	
240-3807-26	ASB-195_6-8(20110912)	T	Solid	5035	
240-3807-27	ASB-195_8-10(20110912)	T	Solid	5035	
240-3807-28	ASB-193_1-2(20110912)	T	Solid	5035	
240-3807-28MS	Matrix Spike	T	Solid	5035	
240-3807-28MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3807-29	ASB-194_10-12(20110912)	T	Solid	5035	
240-3807-30	ASB-194_13-15(20110912)	T	Solid	5035	
Analysis Batch:240-15984					
LCS 240-15984/4	Lab Control Sample	T	Water	8260B	
MB 240-15984/5	Method Blank	T	Water	8260B	
240-3787-B-4 MS	Matrix Spike	T	Water	8260B	
240-3787-B-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-3807-31TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:240-16017					
LCS 240-15869/2-A	Lab Control Sample	T	Solid	8260B	240-15869
MB 240-15869/1-A	Method Blank	T	Solid	8260B	240-15869
240-3807-1	ASB-174_4-6(20110907)	T	Solid	8260B	240-15869
240-3807-3	ASB-184_2-4(20110909)	T	Solid	8260B	240-15869
240-3807-4	ASB-181_6-8(20110909)	T	Solid	8260B	240-15869
240-3807-5	ASB-183_0-2(20110909)	T	Solid	8260B	240-15869
240-3807-6	ASB-185_0-2(20110909)	T	Solid	8260B	240-15869
240-3807-7	ASB-185_4-6(20110909)	T	Solid	8260B	240-15869
240-3807-8	ASB-186_0-2(20110909)	T	Solid	8260B	240-15869
240-3807-9	ASB-186_4-6(20110909)	T	Solid	8260B	240-15869
240-3807-10	ASB-187_2-4(20110909)	T	Solid	8260B	240-15869
240-3807-27	ASB-195_8-10(20110912)	T	Solid	8260B	240-15869
240-3807-28	ASB-193_1-2(20110912)	T	Solid	8260B	240-15869
240-3807-28MS	Matrix Spike	T	Solid	8260B	240-15869
240-3807-28MSD	Matrix Spike Duplicate	T	Solid	8260B	240-15869
240-3807-29	ASB-194_10-12(20110912)	T	Solid	8260B	240-15869
240-3807-30	ASB-194_13-15(20110912)	T	Solid	8260B	240-15869

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-16142					
240-3807-2	ASB-182_2-4(20110909)	T	Solid	8260B	240-15869
240-3807-26	ASB-195_6-8(20110912)	T	Solid	8260B	240-15869

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-16114					
LCS 240-16114/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-16114/24-A	Method Blank	T	Solid	3540C	
240-3692-E-6-B MS	Matrix Spike	T	Solid	3540C	
240-3692-E-6-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	3540C	
240-3807-6	ASB-185_0-2(20110909)	T	Solid	3540C	
240-3807-7	ASB-185_4-6(20110909)	T	Solid	3540C	
240-3807-8	ASB-186_0-2(20110909)	T	Solid	3540C	
240-3807-9	ASB-186_4-6(20110909)	T	Solid	3540C	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	3540C	
Prep Batch: 240-16303					
LCS 240-16303/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-16303/22-A	Method Blank	T	Solid	3540C	
240-3807-26	ASB-195_6-8(20110912)	T	Solid	3540C	
240-3807-27	ASB-195_8-10(20110912)	T	Solid	3540C	
240-3807-28	ASB-193_1-2(20110912)	T	Solid	3540C	
240-3807-29	ASB-194_10-12(20110912)	T	Solid	3540C	
240-3807-30	ASB-194_13-15(20110912)	T	Solid	3540C	
Analysis Batch:240-16867					
LCS 240-16303/21-A	Lab Control Sample	T	Solid	8270C	240-16303
MB 240-16303/22-A	Method Blank	T	Solid	8270C	240-16303
240-3807-27	ASB-195_8-10(20110912)	T	Solid	8270C	240-16303
240-3807-28	ASB-193_1-2(20110912)	T	Solid	8270C	240-16303
240-3807-29	ASB-194_10-12(20110912)	T	Solid	8270C	240-16303
240-3807-30	ASB-194_13-15(20110912)	T	Solid	8270C	240-16303
Analysis Batch:240-16875					
LCS 240-16114/23-A	Lab Control Sample	T	Solid	8270C	240-16114
MB 240-16114/24-A	Method Blank	T	Solid	8270C	240-16114
240-3692-E-6-B MS	Matrix Spike	T	Solid	8270C	240-16114
240-3692-E-6-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-16114
240-3807-3	ASB-184_2-4(20110909)	T	Solid	8270C	240-16114
240-3807-6	ASB-185_0-2(20110909)	T	Solid	8270C	240-16114
240-3807-7	ASB-185_4-6(20110909)	T	Solid	8270C	240-16114
240-3807-8	ASB-186_0-2(20110909)	T	Solid	8270C	240-16114
240-3807-9	ASB-186_4-6(20110909)	T	Solid	8270C	240-16114
240-3807-10	ASB-187_2-4(20110909)	T	Solid	8270C	240-16114
Analysis Batch:240-17022					
240-3807-26	ASB-195_6-8(20110912)	T	Solid	8270C	240-16303

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-17205					
LCS 240-17205/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-17205/20-A	Method Blank	T	Solid	3540C	
240-3807-3RE	ASB-184_2-4(20110909)	T	Solid	3540C	
240-3807-3MSRE	Matrix Spike	T	Solid	3540C	
240-3807-3MSDRE	Matrix Spike Duplicate	T	Solid	3540C	
240-3807-6RE	ASB-185_0-2(20110909)	T	Solid	3540C	
240-3807-7RE	ASB-185_4-6(20110909)	T	Solid	3540C	
240-3807-8RE	ASB-186_0-2(20110909)	T	Solid	3540C	
240-3807-9RE	ASB-186_4-6(20110909)	T	Solid	3540C	
240-3807-10RE	ASB-187_2-4(20110909)	T	Solid	3540C	
Analysis Batch:240-17700					
LCS 240-17205/19-A	Lab Control Sample	T	Solid	8270C	240-17205
MB 240-17205/20-A	Method Blank	T	Solid	8270C	240-17205
240-3807-3RE	ASB-184_2-4(20110909)	T	Solid	8270C	240-17205
240-3807-3MSRE	Matrix Spike	T	Solid	8270C	240-17205
240-3807-3MSDRE	Matrix Spike Duplicate	T	Solid	8270C	240-17205
240-3807-6RE	ASB-185_0-2(20110909)	T	Solid	8270C	240-17205
240-3807-7RE	ASB-185_4-6(20110909)	T	Solid	8270C	240-17205
240-3807-8RE	ASB-186_0-2(20110909)	T	Solid	8270C	240-17205
240-3807-9RE	ASB-186_4-6(20110909)	T	Solid	8270C	240-17205
240-3807-10RE	ASB-187_2-4(20110909)	T	Solid	8270C	240-17205

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-16936					
LCS 240-16936/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-16936/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-16936/1-A	Method Blank	T	Solid	5035	
240-3807-1	ASB-174_4-6(20110907)	T	Solid	5035	
240-3807-2	ASB-182_2-4(20110909)	T	Solid	5035	
240-3807-2MS	Matrix Spike	T	Solid	5035	
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3807-4	ASB-181_6-8(20110909)	T	Solid	5035	
240-3807-5	ASB-183_0-2(20110909)	T	Solid	5035	
Analysis Batch:240-17016					
LCS 240-16936/2-A	Lab Control Sample	T	Solid	WI-GRO	240-16936
LCSD 240-16936/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-16936
MB 240-16936/1-A	Method Blank	T	Solid	WI-GRO	240-16936
240-3807-1	ASB-174_4-6(20110907)	T	Solid	WI-GRO	240-16936
240-3807-2	ASB-182_2-4(20110909)	T	Solid	WI-GRO	240-16936
240-3807-2MS	Matrix Spike	T	Solid	WI-GRO	240-16936
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	WI-GRO	240-16936
240-3807-4	ASB-181_6-8(20110909)	T	Solid	WI-GRO	240-16936
240-3807-5	ASB-183_0-2(20110909)	T	Solid	WI-GRO	240-16936

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-15710					
LCS 240-15710/9-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-15710/10-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-15710/11-A	Method Blank	T	Solid	WI DRO PREP	
240-3807-1	ASB-174_4-6(20110907)	T	Solid	WI DRO PREP	
240-3807-2	ASB-182_2-4(20110909)	T	Solid	WI DRO PREP	
240-3807-2MS	Matrix Spike	T	Solid	WI DRO PREP	
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	WI DRO PREP	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	WI DRO PREP	
240-3807-4	ASB-181_6-8(20110909)	T	Solid	WI DRO PREP	
240-3807-5	ASB-183_0-2(20110909)	T	Solid	WI DRO PREP	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	WI DRO PREP	
Prep Batch: 240-16128					
LCS 240-16128/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-16128/20-A	Method Blank	T	Solid	3540C	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	3540C	
240-3807-3MS	Matrix Spike	T	Solid	3540C	
240-3807-3MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	3540C	
Analysis Batch:240-16270					
LCS 240-15710/9-A	Lab Control Sample	T	Solid	WI-DRO	240-15710
LCSD 240-15710/10-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-15710
MB 240-15710/11-A	Method Blank	T	Solid	WI-DRO	240-15710
240-3807-1	ASB-174_4-6(20110907)	T	Solid	WI-DRO	240-15710
240-3807-3	ASB-184_2-4(20110909)	T	Solid	WI-DRO	240-15710
240-3807-4	ASB-181_6-8(20110909)	T	Solid	WI-DRO	240-15710
240-3807-5	ASB-183_0-2(20110909)	T	Solid	WI-DRO	240-15710
240-3807-10	ASB-187_2-4(20110909)	T	Solid	WI-DRO	240-15710
Analysis Batch:240-16423					
LCS 240-16128/19-A	Lab Control Sample	T	Solid	8082	240-16128
MB 240-16128/20-A	Method Blank	T	Solid	8082	240-16128
240-3807-3	ASB-184_2-4(20110909)	T	Solid	8082	240-16128
240-3807-3MS	Matrix Spike	T	Solid	8082	240-16128
240-3807-3MSD	Matrix Spike Duplicate	T	Solid	8082	240-16128
240-3807-10	ASB-187_2-4(20110909)	T	Solid	8082	240-16128
Analysis Batch:240-16663					
240-3807-2	ASB-182_2-4(20110909)	T	Solid	WI-DRO	240-15710
240-3807-2MS	Matrix Spike	T	Solid	WI-DRO	240-15710
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	WI-DRO	240-15710

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-15660					
LCS 240-15660/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-15660/1-A	Method Blank	T	Solid	3050B	
240-3807-1	ASB-174_4-6(20110907)	T	Solid	3050B	
240-3807-2	ASB-182_2-4(20110909)	T	Solid	3050B	
240-3807-2MS	Matrix Spike	T	Solid	3050B	
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	3050B	
240-3807-4	ASB-181_6-8(20110909)	T	Solid	3050B	
240-3807-5	ASB-183_0-2(20110909)	T	Solid	3050B	
240-3807-6	ASB-185_0-2(20110909)	T	Solid	3050B	
240-3807-7	ASB-185_4-6(20110909)	T	Solid	3050B	
240-3807-8	ASB-186_0-2(20110909)	T	Solid	3050B	
240-3807-9	ASB-186_4-6(20110909)	T	Solid	3050B	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	3050B	
240-3807-11	ASB-188_0-2(20110912)	T	Solid	3050B	
240-3807-12	ASB-188_4-6(20110912)	T	Solid	3050B	
240-3807-14	ASB-189_0-2(20110912)	T	Solid	3050B	
240-3807-15	ASB-189_4-6(20110912)	T	Solid	3050B	
240-3807-17	ASB-190_0-2(20110912)	T	Solid	3050B	
240-3807-18	ASB-190_8-10(20110912)	T	Solid	3050B	
240-3807-20	ASB-191_0-2(20110912)	T	Solid	3050B	
240-3807-21	ASB-191_4-6(20110912)	T	Solid	3050B	
240-3807-23	ASB-192_0-2(20110912)	T	Solid	3050B	
240-3807-24	ASB-192_4-6(20110912)	T	Solid	3050B	
Prep Batch: 240-15676					
LCS 240-15676/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-15676/1-A	Method Blank	T	Solid	3050B	
240-3807-26	ASB-195_6-8(20110912)	T	Solid	3050B	
240-3807-26MS	Matrix Spike	T	Solid	3050B	
240-3807-26MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3807-27	ASB-195_8-10(20110912)	T	Solid	3050B	
240-3807-28	ASB-193_1-2(20110912)	T	Solid	3050B	
240-3807-29	ASB-194_10-12(20110912)	T	Solid	3050B	
240-3807-30	ASB-194_13-15(20110912)	T	Solid	3050B	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-15682					
LCS 240-15682/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-15682/1-A	Method Blank	T	Solid	7471A	
240-3807-1	ASB-174_4-6(20110907)	T	Solid	7471A	
240-3807-2	ASB-182_2-4(20110909)	T	Solid	7471A	
240-3807-2MS	Matrix Spike	T	Solid	7471A	
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	7471A	
240-3807-4	ASB-181_6-8(20110909)	T	Solid	7471A	
240-3807-5	ASB-183_0-2(20110909)	T	Solid	7471A	
240-3807-6	ASB-185_0-2(20110909)	T	Solid	7471A	
240-3807-7	ASB-185_4-6(20110909)	T	Solid	7471A	
240-3807-8	ASB-186_0-2(20110909)	T	Solid	7471A	
240-3807-9	ASB-186_4-6(20110909)	T	Solid	7471A	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	7471A	
240-3807-26	ASB-195_6-8(20110912)	T	Solid	7471A	
240-3807-27	ASB-195_8-10(20110912)	T	Solid	7471A	
240-3807-28	ASB-193_1-2(20110912)	T	Solid	7471A	
240-3807-29	ASB-194_10-12(20110912)	T	Solid	7471A	
240-3807-30	ASB-194_13-15(20110912)	T	Solid	7471A	
Analysis Batch:240-15700					
LCS 240-15682/2-A	Lab Control Sample	T	Solid	7471A	240-15682
MB 240-15682/1-A	Method Blank	T	Solid	7471A	240-15682
240-3807-1	ASB-174_4-6(20110907)	T	Solid	7471A	240-15682
240-3807-2	ASB-182_2-4(20110909)	T	Solid	7471A	240-15682
240-3807-2MS	Matrix Spike	T	Solid	7471A	240-15682
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	7471A	240-15682
240-3807-3	ASB-184_2-4(20110909)	T	Solid	7471A	240-15682
240-3807-4	ASB-181_6-8(20110909)	T	Solid	7471A	240-15682
240-3807-5	ASB-183_0-2(20110909)	T	Solid	7471A	240-15682
240-3807-6	ASB-185_0-2(20110909)	T	Solid	7471A	240-15682
240-3807-7	ASB-185_4-6(20110909)	T	Solid	7471A	240-15682
240-3807-8	ASB-186_0-2(20110909)	T	Solid	7471A	240-15682
240-3807-9	ASB-186_4-6(20110909)	T	Solid	7471A	240-15682
240-3807-10	ASB-187_2-4(20110909)	T	Solid	7471A	240-15682
240-3807-26	ASB-195_6-8(20110912)	T	Solid	7471A	240-15682
240-3807-27	ASB-195_8-10(20110912)	T	Solid	7471A	240-15682
240-3807-28	ASB-193_1-2(20110912)	T	Solid	7471A	240-15682
240-3807-29	ASB-194_10-12(20110912)	T	Solid	7471A	240-15682
240-3807-30	ASB-194_13-15(20110912)	T	Solid	7471A	240-15682

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-15811					
LB 240-15811/1-D	TCLP SPLPE Leachate Blank	P	Solid	1311	
240-3807-11	ASB-188_0-2(20110912)	P	Solid	1311	
240-3807-12	ASB-188_4-6(20110912)	P	Solid	1311	
240-3807-14	ASB-189_0-2(20110912)	P	Solid	1311	
240-3807-15	ASB-189_4-6(20110912)	P	Solid	1311	
240-3807-17	ASB-190_0-2(20110912)	P	Solid	1311	
240-3807-18	ASB-190_8-10(20110912)	P	Solid	1311	
240-3807-20	ASB-191_0-2(20110912)	P	Solid	1311	
240-3807-21	ASB-191_4-6(20110912)	P	Solid	1311	
240-3807-23	ASB-192_0-2(20110912)	P	Solid	1311	
240-3807-24	ASB-192_4-6(20110912)	P	Solid	1311	
240-3841-A-1-C MS ^5	Matrix Spike	P	Solid	1311	
240-3841-A-1-D MSD ^5	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 240-15941					
LCS 240-15941/3-A	Lab Control Sample	T	Water	3010A	
MB 240-15941/2-A	Method Blank	T	Water	3010A	
LB 240-15811/1-D	TCLP SPLPE Leachate Blank	P	Solid	3010A	240-15811
240-3807-11	ASB-188_0-2(20110912)	P	Solid	3010A	240-15811
240-3807-12	ASB-188_4-6(20110912)	P	Solid	3010A	240-15811
240-3807-14	ASB-189_0-2(20110912)	P	Solid	3010A	240-15811
240-3807-15	ASB-189_4-6(20110912)	P	Solid	3010A	240-15811
240-3807-17	ASB-190_0-2(20110912)	P	Solid	3010A	240-15811
240-3807-18	ASB-190_8-10(20110912)	P	Solid	3010A	240-15811
240-3807-20	ASB-191_0-2(20110912)	P	Solid	3010A	240-15811
240-3807-21	ASB-191_4-6(20110912)	P	Solid	3010A	240-15811
240-3807-23	ASB-192_0-2(20110912)	P	Solid	3010A	240-15811
240-3807-24	ASB-192_4-6(20110912)	P	Solid	3010A	240-15811
240-3841-A-1-C MS ^5	Matrix Spike	P	Solid	3010A	240-15811
240-3841-A-1-D MSD ^5	Matrix Spike Duplicate	P	Solid	3010A	240-15811

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-16267					
LB 240-15811/1-D	TCLP SPLPE Leachate Blank	P	Solid	6010B	240-15941
LCS 240-15941/3-A	Lab Control Sample	T	Water	6010B	240-15941
MB 240-15941/2-A	Method Blank	T	Water	6010B	240-15941
240-3807-11	ASB-188_0-2(20110912)	P	Solid	6010B	240-15941
240-3807-12	ASB-188_4-6(20110912)	P	Solid	6010B	240-15941
240-3807-14	ASB-189_0-2(20110912)	P	Solid	6010B	240-15941
240-3807-15	ASB-189_4-6(20110912)	P	Solid	6010B	240-15941
240-3807-17	ASB-190_0-2(20110912)	P	Solid	6010B	240-15941
240-3807-18	ASB-190_8-10(20110912)	P	Solid	6010B	240-15941
240-3807-20	ASB-191_0-2(20110912)	P	Solid	6010B	240-15941
240-3807-21	ASB-191_4-6(20110912)	P	Solid	6010B	240-15941
240-3807-23	ASB-192_0-2(20110912)	P	Solid	6010B	240-15941
240-3807-24	ASB-192_4-6(20110912)	P	Solid	6010B	240-15941
240-3841-A-1-C MS ^5	Matrix Spike	P	Solid	6010B	240-15941
240-3841-A-1-D MSD ^5	Matrix Spike Duplicate	P	Solid	6010B	240-15941
Analysis Batch:240-16896					
LCS 240-15676/2-A	Lab Control Sample	T	Solid	6010B	240-15676
MB 240-15676/1-A	Method Blank	T	Solid	6010B	240-15676
240-3807-26	ASB-195_6-8(20110912)	T	Solid	6010B	240-15676
240-3807-26MS	Matrix Spike	T	Solid	6010B	240-15676
240-3807-26MSD	Matrix Spike Duplicate	T	Solid	6010B	240-15676
240-3807-27	ASB-195_8-10(20110912)	T	Solid	6010B	240-15676
240-3807-28	ASB-193_1-2(20110912)	T	Solid	6010B	240-15676
240-3807-29	ASB-194_10-12(20110912)	T	Solid	6010B	240-15676
240-3807-30	ASB-194_13-15(20110912)	T	Solid	6010B	240-15676

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-17001					
LCS 240-15660/2-A	Lab Control Sample	T	Solid	6010B	240-15660
MB 240-15660/1-A	Method Blank	T	Solid	6010B	240-15660
240-3807-1	ASB-174_4-6(20110907)	T	Solid	6010B	240-15660
240-3807-2	ASB-182_2-4(20110909)	T	Solid	6010B	240-15660
240-3807-2MS	Matrix Spike	T	Solid	6010B	240-15660
240-3807-2MSD	Matrix Spike Duplicate	T	Solid	6010B	240-15660
240-3807-3	ASB-184_2-4(20110909)	T	Solid	6010B	240-15660
240-3807-4	ASB-181_6-8(20110909)	T	Solid	6010B	240-15660
240-3807-5	ASB-183_0-2(20110909)	T	Solid	6010B	240-15660
240-3807-6	ASB-185_0-2(20110909)	T	Solid	6010B	240-15660
240-3807-7	ASB-185_4-6(20110909)	T	Solid	6010B	240-15660
240-3807-8	ASB-186_0-2(20110909)	T	Solid	6010B	240-15660
240-3807-9	ASB-186_4-6(20110909)	T	Solid	6010B	240-15660
240-3807-10	ASB-187_2-4(20110909)	T	Solid	6010B	240-15660
240-3807-11	ASB-188_0-2(20110912)	T	Solid	6010B	240-15660
240-3807-12	ASB-188_4-6(20110912)	T	Solid	6010B	240-15660
240-3807-14	ASB-189_0-2(20110912)	T	Solid	6010B	240-15660
240-3807-15	ASB-189_4-6(20110912)	T	Solid	6010B	240-15660
240-3807-17	ASB-190_0-2(20110912)	T	Solid	6010B	240-15660
240-3807-18	ASB-190_8-10(20110912)	T	Solid	6010B	240-15660
240-3807-20	ASB-191_0-2(20110912)	T	Solid	6010B	240-15660
240-3807-21	ASB-191_4-6(20110912)	T	Solid	6010B	240-15660
240-3807-23	ASB-192_0-2(20110912)	T	Solid	6010B	240-15660
240-3807-24	ASB-192_4-6(20110912)	T	Solid	6010B	240-15660

Report Basis

P = TCLP

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-15476					
240-3807-1	ASB-174_4-6(20110907)	T	Solid	Moisture	
240-3807-2	ASB-182_2-4(20110909)	T	Solid	Moisture	
240-3807-2DU	Duplicate	T	Solid	Moisture	
240-3807-3	ASB-184_2-4(20110909)	T	Solid	Moisture	
240-3807-4	ASB-181_6-8(20110909)	T	Solid	Moisture	
240-3807-5	ASB-183_0-2(20110909)	T	Solid	Moisture	
240-3807-6	ASB-185_0-2(20110909)	T	Solid	Moisture	
240-3807-7	ASB-185_4-6(20110909)	T	Solid	Moisture	
240-3807-8	ASB-186_0-2(20110909)	T	Solid	Moisture	
240-3807-9	ASB-186_4-6(20110909)	T	Solid	Moisture	
240-3807-10	ASB-187_2-4(20110909)	T	Solid	Moisture	
240-3807-11	ASB-188_0-2(20110912)	T	Solid	Moisture	
240-3807-12	ASB-188_4-6(20110912)	T	Solid	Moisture	
240-3807-12DU	Duplicate	T	Solid	Moisture	
240-3807-14	ASB-189_0-2(20110912)	T	Solid	Moisture	
240-3807-15	ASB-189_4-6(20110912)	T	Solid	Moisture	
240-3807-17	ASB-190_0-2(20110912)	T	Solid	Moisture	
240-3807-18	ASB-190_8-10(20110912)	T	Solid	Moisture	
240-3807-20	ASB-191_0-2(20110912)	T	Solid	Moisture	
240-3807-21	ASB-191_4-6(20110912)	T	Solid	Moisture	
240-3807-23	ASB-192_0-2(20110912)	T	Solid	Moisture	
240-3807-24	ASB-192_4-6(20110912)	T	Solid	Moisture	
240-3807-26	ASB-195_6-8(20110912)	T	Solid	Moisture	
240-3807-27	ASB-195_8-10(20110912)	T	Solid	Moisture	
240-3807-28	ASB-193_1-2(20110912)	T	Solid	Moisture	
240-3807-28DU	Duplicate	T	Solid	Moisture	
240-3807-29	ASB-194_10-12(20110912)	T	Solid	Moisture	
240-3807-30	ASB-194_13-15(20110912)	T	Solid	Moisture	
240-3807-30DU	Duplicate	T	Solid	Moisture	
Prep Batch: 220-54919					
MSB 220-54919/2-A	Matrix Spike Blank	T	Solid	D4282_02	
MB 220-54919/1-A	Method Blank	T	Solid	D4282_02	
240-3807-26	ASB-195_6-8(20110912)	T	Solid	D4282_02	
240-3807-27	ASB-195_8-10(20110912)	T	Solid	D4282_02	
240-3807-28	ASB-193_1-2(20110912)	T	Solid	D4282_02	
240-3807-28MS	Matrix Spike	T	Solid	D4282_02	
240-3807-28MSD	Matrix Spike Duplicate	T	Solid	D4282_02	
240-3807-29	ASB-194_10-12(20110912)	T	Solid	D4282_02	
240-3807-30	ASB-194_13-15(20110912)	T	Solid	D4282_02	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-54931					
MSB 220-54919/2-A	Matrix Spike Blank	T	Solid	D4282_02	220-54919
MB 220-54919/1-A	Method Blank	T	Solid	D4282_02	220-54919
240-3807-26	ASB-195_6-8(20110912)	T	Solid	D4282_02	220-54919
240-3807-27	ASB-195_8-10(20110912)	T	Solid	D4282_02	220-54919
240-3807-28	ASB-193_1-2(20110912)	T	Solid	D4282_02	220-54919
240-3807-28MS	Matrix Spike	T	Solid	D4282_02	220-54919
240-3807-28MSD	Matrix Spike Duplicate	T	Solid	D4282_02	220-54919
240-3807-29	ASB-194_10-12(20110912)	T	Solid	D4282_02	220-54919
240-3807-30	ASB-194_13-15(20110912)	T	Solid	D4282_02	220-54919

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3807-1	ASB-174_4-6(20110907)	76	76	66	76
240-3807-2	ASB-182_2-4(20110909)	140X	256X	179X	196X
240-3807-3	ASB-184_2-4(20110909)	65	62	55	68
240-3807-4	ASB-181_6-8(20110909)	75	73	64	74
240-3807-5	ASB-183_0-2(20110909)	78	77	65	80
240-3807-6	ASB-185_0-2(20110909)	76	78	65	79
240-3807-7	ASB-185_4-6(20110909)	73	72	64	76
240-3807-8	ASB-186_0-2(20110909)	83	81	69	83
240-3807-9	ASB-186_4-6(20110909)	71	74	61	74
240-3807-10	ASB-187_2-4(20110909)	81	80	66	82
240-3807-26	ASB-195_6-8(20110912)	79	78	71	81
240-3807-27	ASB-195_8-10(20110912)	73	72	62	74
240-3807-28	ASB-193_1-2(20110912)	81	81	67	82
240-3807-29	ASB-194_10-12(20110912)	84	85	71	85
240-3807-30	ASB-194_13-15(20110912)	84	79	69	84
240-3807-28 MS	ASB-193_1-2(20110912) MS	83	85	78	85
240-3807-28 MSD	ASB-193_1-2(20110912) MSD	70	72	64	73

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 240-15869/1-A		87	83	85	72
LCS 240-15869/2-A		85	90	89	77

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-3807-31	TRIP BLANK	106	91	100	105
MB 240-15984/5		102	101	104	98
LCS 240-15984/4		96	117	106	103
240-3787-B-4 MS		104	120X	106	99
240-3787-B-4 MSD		95	124X	105	107

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3807-3 RE	ASB-184_2-4(20110909) RE	54	65	62	51	68	71
240-3807-3	ASB-184_2-4(20110909)	63	76	63	63	70	84
240-3807-6 RE	ASB-185_0-2(20110909) RE	44	48	47	38	52	62
240-3807-6	ASB-185_0-2(20110909)	60	69	61	62	63	84
240-3807-7 RE	ASB-185_4-6(20110909) RE	58	67	63	56	66	82
240-3807-7	ASB-185_4-6(20110909)	69	69	62	63	63	87
240-3807-8 RE	ASB-186_0-2(20110909) RE	48	38	50	31	46	71
240-3807-8	ASB-186_0-2(20110909)	68	75	44	63	68	85
240-3807-9 RE	ASB-186_4-6(20110909) RE	55	64	56	52	64	76
240-3807-9	ASB-186_4-6(20110909)	63	71	62	64	64	89
240-3807-10 RE	ASB-187_2-4(20110909) RE	51	58	54	49	56	73
240-3807-10	ASB-187_2-4(20110909)	68	69	0X	65	60	87
240-3807-26	ASB-195_6-8(20110912)	59	68	66	45	52	77
240-3807-27	ASB-195_8-10(20110912)	36	52	0X	27	39	42
240-3807-28	ASB-193_1-2(20110912)	52	56	51	49	55	66
240-3807-29	ASB-194_10-12(20110912)	55	61	43	51	58	54
240-3807-30	ASB-194_13-15(20110912)	57	65	67	57	62	76
MB 240-16114/24-A		68	76	69	68	75	87
MB 240-16303/22-A		49	55	55	46	55	74

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
MB 240-17205/20-A		56	62	60	54	61	74
LCS 240-16114/23-A		57	57	67	48	62	88
LCS 240-16303/21-A		55	59	57	55	60	68
LCS 240-17205/19-A		50	60	62	49	63	78
240-3807-3 MS RE	ASB-184_2-4(20110909) MS RE	53	60	58	53	60	69
240-3692-E-6-B MS		64	82	46	69	81	86
240-3807-3 MSD RE	ASB-184_2-4(20110909) MSD RE	55	62	59	55	61	71
240-3692-E-6-C MSD		61	75	62	60	68	88

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
240-3807-3	ASB-184_2-4(20110909)	71	90
240-3807-10	ASB-187_2-4(20110909)	65	76
MB 240-16128/20-A		87	93
LCS 240-16128/19-A		91	100
240-3807-3 MS	ASB-184_2-4(20110909) MS	8X	10X
240-3807-3 MSD	ASB-184_2-4(20110909) MSD	72	79

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15869 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-15869/1-A	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/20/2011 1422	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Bromodichloromethane	ND		9.9	250
Cyclohexane	ND		40	500
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
1,2-Dibromoethane	ND		10	250
Dichlorofluoromethane	ND		25	500

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15869 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-15869/1-A	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/20/2011 1422	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
2-Butanone (MEK)	ND		43	1000
4-Methyl-2-pentanone (MIBK)	ND		48	1000
m-Xylene & p-Xylene	ND		6.2	500
Methyl tert butyl ether	ND		7.1	1000
Naphthalene	ND		6.7	250
Methylene Chloride	ND		77	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Methylcyclohexane	ND		12	500
Trichlorofluoromethane	ND		16	250
Chlorodibromomethane	ND		12	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	83	26 - 141
Toluene-d8 (Surr)	85	33 - 134
Dibromofluoromethane (Surr)	72	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-15869

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15869/2-A	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/20/2011 1401	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	408	82	27 - 121	
1,1,1-Trichloroethane	500	411	82	38 - 122	
1,1,2,2-Tetrachloroethane	500	555	111	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	471	94	48 - 151	
1,1,2-Trichloroethane	500	530	106	74 - 114	
1,1-Dichloroethane	500	451	90	63 - 117	
1,1-Dichloroethene	500	465	93	44 - 143	
1,1-Dichloropropene	500	481	96	60 - 123	
1,2,3-Trichlorobenzene	500	415	83	43 - 129	
1,2,3-Trichloropropane	500	535	107	74 - 124	
1,2,4-Trichlorobenzene	500	390	78	41 - 135	
1,2,4-Trimethylbenzene	500	487	97	62 - 133	
1,2-Dibromo-3-Chloropropane	500	365	73	10 - 129	J
1,2-Dichlorobenzene	500	475	95	68 - 118	
1,2-Dichloroethane	500	477	95	68 - 119	
1,2-Dichloropropane	500	515	103	73 - 113	
1,3,5-Trimethylbenzene	500	468	94	60 - 130	
1,3-Dichlorobenzene	500	505	101	66 - 121	
1,3-Dichloropropane	500	535	107	74 - 119	
1,4-Dichlorobenzene	500	484	97	65 - 119	
2,2-Dichloropropane	500	366	73	25 - 123	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1100	110	43 - 130	
4-Chlorotoluene	500	515	103	68 - 122	
Acetone	1000	680	68	16 - 156	J
Benzene	500	510	102	70 - 117	
Bromobenzene	500	520	104	72 - 120	
Bromochloromethane	500	457	91	56 - 128	
Bromoform	500	465	93	10 - 117	
Bromomethane	500	313	63	10 - 114	
Carbon disulfide	500	304	61	10 - 132	
Carbon tetrachloride	500	374	75	29 - 118	
Chlorobenzene	500	495	99	71 - 116	
Chloroethane	500	354	71	10 - 120	
Chloroform	500	460	92	63 - 116	
Chloromethane	500	397	79	25 - 110	
cis-1,2-Dichloroethene	500	448	90	60 - 125	
cis-1,3-Dichloropropene	500	402	80	25 - 120	
Bromodichloromethane	500	394	79	28 - 123	
Cyclohexane	500	441	88	40 - 120	J
Dibromomethane	500	490	98	68 - 118	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-15869

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15869/2-A	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/20/2011 1401	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	500	315	63	10 - 110	
1,2-Dibromoethane	500	520	104	47 - 123	
Ethyl ether	500	476	95	70 - 130	J
Ethylbenzene	500	493	99	66 - 119	
Hexachlorobutadiene	500	411	82	34 - 135	
Isopropylbenzene	500	465	93	61 - 123	
Methyl acetate	500	483	97	44 - 173	J
2-Butanone (MEK)	1000	1020	102	10 - 199	
4-Methyl-2-pentanone (MIBK)	1000	1020	102	49 - 121	
m-Xylene & p-Xylene	1000	975	98	67 - 118	
Methyl tert butyl ether	500	469	94	34 - 157	J
Naphthalene	500	393	79	37 - 126	
Methylene Chloride	500	358	72	27 - 172	
n-Butylbenzene	500	470	94	51 - 137	
N-Propylbenzene	500	510	102	64 - 130	
o-Xylene	500	481	96	68 - 120	
p-Isopropyltoluene	500	473	95	56 - 136	
sec-Butylbenzene	500	478	96	58 - 131	
Styrene	500	459	92	60 - 120	
tert-Butylbenzene	500	478	96	58 - 128	
Tetrachloroethene	500	498	100	58 - 131	
Tetrahydrofuran	500	520	104	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	442	88	58 - 121	
trans-1,3-Dichloropropene	500	419	84	22 - 122	
Trichloroethene	500	500	100	59 - 124	
Methylcyclohexane	500	454	91	41 - 133	J
Trichlorofluoromethane	500	328	66	17 - 145	
Chlorodibromomethane	500	363	73	22 - 113	
Vinyl chloride	500	409	82	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	39 - 128
4-Bromofluorobenzene (Surr)	90	26 - 141
Toluene-d8 (Surr)	89	33 - 134
Dibromofluoromethane (Surr)	77	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15869

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3807-28	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.37 g
Analysis Date:	09/20/2011 2005			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-28	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.73 g
Analysis Date:	09/20/2011 2026			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	85	68	19 - 124	16	30		
1,1,1-Trichloroethane	79	63	10 - 159	17	30		
1,1,2,2-Tetrachloroethane	105	92	16 - 158	7	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	84	71	23 - 168	11	30		
1,1,2-Trichloroethane	109	93	34 - 152	10	30		
1,1-Dichloroethane	90	75	18 - 160	12	30		
1,1-Dichloroethene	88	70	10 - 179	16	30		
1,1-Dichloropropene	93	74	42 - 126	16	30		
1,2,3-Trichlorobenzene	84	73	10 - 123	8	30		
1,2,3-Trichloropropane	110	92	54 - 142	11	30		
1,2,4-Trichlorobenzene	75	66	10 - 136	6	30		
1,2,4-Trimethylbenzene	98	80	10 - 199	14	30		
1,2-Dibromo-3-Chloropropane	76	66	10 - 137	7	30	J	J
1,2-Dibromoethane	100	84	32 - 127	10	30		
1,2-Dichlorobenzene	97	79	27 - 126	14	30		
1,2-Dichloroethane	95	77	25 - 150	14	30		
1,2-Dichloropropane	103	85	58 - 118	13	30		
1,3,5-Trimethylbenzene	95	77	10 - 173	15	30		
1,3-Dichlorobenzene	99	80	29 - 124	14	30		
1,3-Dichloropropane	108	90	58 - 117	12	30		
1,4-Dichlorobenzene	94	78	30 - 123	13	30		
2,2-Dichloropropane	69	55	26 - 127	17	30		
2-Butanone (MEK)	108	84	10 - 172	18	30		J
2-Chlorotoluene	99	80	51 - 118	14	30		
2-Hexanone	114	93	21 - 141	13	30		J
4-Chlorotoluene	103	82	43 - 120	16	30		
4-Methyl-2-pentanone (MIBK)	107	88	19 - 151	13	30		J
Acetone	80	70	10 - 142	6	30	J	J
Benzene	100	83	10 - 199	12	30		
Bromobenzene	105	85	49 - 119	15	30		
Bromochloromethane	95	76	42 - 123	16	30		
Bromodichloromethane	79	66	18 - 133	11	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15869

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3807-28	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.37 g
Analysis Date:	09/20/2011 2005			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-28	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.73 g
Analysis Date:	09/20/2011 2026			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromoform	96	85	10 - 147	6	30		
Bromomethane	58	45	10 - 151	19	30		J
Carbon disulfide	54	45	10 - 155	11	30		J
Carbon tetrachloride	73	57	12 - 135	18	30		
Chlorobenzene	98	81	47 - 118	12	30		
Chloroethane	78	63	10 - 168	14	30		
Chloroform	94	76	51 - 120	15	30		
Chloromethane	74	64	16 - 115	9	30		
cis-1,2-Dichloroethene	93	73	34 - 137	18	30		
cis-1,3-Dichloropropene	80	64	19 - 121	16	30		
Cyclohexane	84	70	10 - 154	13	30	J	J
Chlorodibromomethane	74	65	10 - 128	6	30		
Dibromomethane	102	81	45 - 121	16	30		
Dichlorodifluoromethane	48	42	10 - 113	6	30	J	J
Ethyl ether	86	69	70 - 130	15	30	J	J F
Ethylbenzene	98	80	27 - 143	14	30		
Hexachlorobutadiene	82	72	10 - 134	6	30		
Isopropylbenzene	94	77	39 - 126	13	30		
Methyl acetate	121	89	10 - 175	10	30		
Methyl tert butyl ether	97	80	26 - 159	14	30	J	J
Methylcyclohexane	82	67	11 - 156	12	30	J	J
Methylene Chloride	77	55	10 - 148	27	30		
m-Xylene & p-Xylene	96	77	14 - 151	15	30		
Naphthalene	82	71	10 - 199	7	30		
n-Butylbenzene	88	72	13 - 154	13	30		
N-Propylbenzene	105	82	41 - 135	18	30		
o-Xylene	98	81	18 - 151	14	30		
p-Isopropyltoluene	92	76	33 - 139	13	30		
sec-Butylbenzene	94	77	41 - 133	14	30		
Styrene	90	75	31 - 137	13	30		
tert-Butylbenzene	97	77	45 - 132	16	30		
Tetrachloroethene	99	82	19 - 153	13	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15869

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3807-28	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.37 g
Analysis Date:	09/20/2011 2005			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-28	Analysis Batch:	240-16017	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15869	Lab File ID:	141041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.73 g
Analysis Date:	09/20/2011 2026			Final Weight/Volume:	10 mL
Prep Date:	09/19/2011 1230				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	104	94	70 - 130	4	30	J	J
Toluene	103	85	10 - 168	12	30		
trans-1,2-Dichloroethene	86	70	40 - 126	14	30		
trans-1,3-Dichloropropene	80	70	10 - 136	8	30		
Trichloroethene	100	80	10 - 193	15	30		
Trichlorofluoromethane	60	51	10 - 157	10	30		
Vinyl chloride	73	62	15 - 123	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	70	39 - 128
4-Bromofluorobenzene (Surr)	85	72	26 - 141
Dibromofluoromethane (Surr)	78	64	30 - 122
Toluene-d8 (Surr)	85	73	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15984 **Method: 8260B**
Preparation: 5030B

Lab Sample ID:	MB 240-15984/5	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9705.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1121	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1121				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Allyl chloride	ND		0.35	2.0
4-Chlorotoluene	ND		0.18	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Bromodichloromethane	ND		0.15	1.0
Cyclohexane	ND		0.12	1.0
Dibromomethane	ND		0.28	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,2-Dibromoethane	ND		0.24	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15984

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-15984/5	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9705.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1121	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1121				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Hexachlorobutadiene	ND		0.30	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
m-Xylene & p-Xylene	ND		0.24	2.0
Methyl tert butyl ether	ND		0.17	2.0
Naphthalene	ND		0.24	1.0
Methylene Chloride	ND		0.33	1.0
n-Butylbenzene	ND		0.12	1.0
N-Propylbenzene	ND		0.14	1.0
o-Xylene	ND		0.14	1.0
p-Isopropyltoluene	ND		0.12	1.0
sec-Butylbenzene	ND		0.13	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Trichlorofluoromethane	ND		0.21	1.0
Chlorodibromomethane	ND		0.18	1.0
Vinyl chloride	ND		0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	63 - 129
4-Bromofluorobenzene (Surr)	101	66 - 117
Toluene-d8 (Surr)	104	74 - 115
Dibromofluoromethane (Surr)	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-15984

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-15984/4	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1059	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1059				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.72	97	72 - 116	
1,1,1-Trichloroethane	10.0	9.61	96	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.52	95	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.16	92	74 - 151	
1,1,2-Trichloroethane	10.0	9.86	99	80 - 112	
1,1-Dichloroethane	10.0	9.12	91	82 - 115	
1,1-Dichloroethene	10.0	9.32	93	78 - 131	
1,1-Dichloropropene	10.0	9.13	91	83 - 114	
1,2,3-Trichlorobenzene	10.0	6.21	62	54 - 126	
1,2,3-Trichloropropane	10.0	8.46	85	73 - 129	
1,2,4-Trichlorobenzene	10.0	6.30	63	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.77	98	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	7.19	72	42 - 136	
1,2-Dichlorobenzene	10.0	10.4	104	81 - 110	
1,2-Dichloroethane	10.0	9.15	92	71 - 127	
1,2-Dichloropropane	10.0	8.94	89	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.49	95	72 - 118	
1,3-Dichlorobenzene	10.0	10.1	101	80 - 110	
1,3-Dichloropropane	10.0	9.49	95	79 - 116	
1,4-Dichlorobenzene	10.0	9.92	99	82 - 110	
2,2-Dichloropropane	10.0	9.85	99	50 - 129	
2-Chlorotoluene	10.0	9.03	90	76 - 116	
2-Hexanone	20.0	18.4	92	55 - 133	
4-Chlorotoluene	10.0	9.37	94	77 - 115	
Acetone	20.0	16.7	84	43 - 136	
Benzene	10.0	9.41	94	83 - 112	
Bromobenzene	10.0	9.04	90	76 - 115	
Bromochloromethane	10.0	9.54	95	77 - 120	
Bromoform	10.0	8.37	84	40 - 131	
Bromomethane	10.0	5.31	53	11 - 185	
Carbon disulfide	10.0	8.05	81	62 - 142	
Carbon tetrachloride	10.0	9.72	97	66 - 128	
Chlorobenzene	10.0	10.2	102	85 - 110	
Chloroethane	10.0	4.07	41	25 - 153	
Chloroform	10.0	9.80	98	79 - 117	
Chloromethane	10.0	6.17	62	44 - 126	
cis-1,2-Dichloroethene	10.0	9.59	96	80 - 113	
cis-1,3-Dichloropropene	10.0	8.76	88	61 - 115	
Bromodichloromethane	10.0	9.51	95	72 - 121	
Cyclohexane	10.0	7.89	79	54 - 121	
Dibromomethane	10.0	9.52	95	81 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-15984

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-15984/4	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1059	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1059				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	4.56	46	19 - 129	
1,2-Dibromoethane	10.0	10.0	100	79 - 113	
Ethyl ether	10.0	9.17	92	53 - 135	
Ethylbenzene	10.0	10.5	105	83 - 112	
Hexachlorobutadiene	10.0	5.67	57	36 - 134	
Isopropylbenzene	10.0	10.3	103	75 - 114	
Methyl acetate	10.0	7.89	79	58 - 131	J
2-Butanone (MEK)	20.0	16.4	82	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	17.5	88	63 - 128	
m-Xylene & p-Xylene	20.0	20.2	101	83 - 113	
Methyl tert butyl ether	10.0	9.60	96	52 - 144	
Naphthalene	10.0	6.08	61	32 - 141	
Methylene Chloride	10.0	9.11	91	66 - 131	
n-Butylbenzene	10.0	10.0	100	66 - 125	
N-Propylbenzene	10.0	8.84	88	74 - 121	
o-Xylene	10.0	10.2	102	83 - 113	
p-Isopropyltoluene	10.0	10.1	101	74 - 120	
sec-Butylbenzene	10.0	9.39	94	70 - 117	
Styrene	10.0	10.5	105	79 - 114	
tert-Butylbenzene	10.0	9.18	92	71 - 115	
Tetrachloroethene	10.0	9.90	99	79 - 114	
Tetrahydrofuran	10.0	8.27	83	23 - 143	
Toluene	10.0	9.64	96	84 - 111	
trans-1,2-Dichloroethene	10.0	9.74	97	83 - 117	
trans-1,3-Dichloropropene	10.0	9.21	92	58 - 117	
Trichloroethene	10.0	9.44	94	76 - 117	
Methylcyclohexane	10.0	8.98	90	56 - 127	
Trichlorofluoromethane	10.0	8.92	89	49 - 157	
Chlorodibromomethane	10.0	9.25	93	64 - 119	
Vinyl chloride	10.0	6.73	67	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	63 - 129
4-Bromofluorobenzene (Surr)	117	66 - 117
Toluene-d8 (Surr)	106	74 - 115
Dibromofluoromethane (Surr)	103	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15984

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3787-B-4 MS	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9726.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1917			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1917				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3787-B-4 MSD	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9727.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1939			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1939				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	99	105	64 - 118	5	30		
1,1,1-Trichloroethane	94	94	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	93	93	63 - 122	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	79	78	70 - 152	1	30		
1,1,2-Trichloroethane	103	101	75 - 115	2	30		
1,1-Dichloroethane	92	91	79 - 116	1	30		
1,1-Dichloroethene	76	66	74 - 135	3	30		F
1,1-Dichloropropene	89	88	80 - 114	2	30		
1,2,3-Trichlorobenzene	74	78	45 - 129	6	30		
1,2,3-Trichloropropane	88	77	67 - 132	13	30		
1,2,4-Trichlorobenzene	67	70	38 - 138	5	30		
1,2,4-Trimethylbenzene	90	87	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	71	72	32 - 139	1	30		
1,2-Dichlorobenzene	99	97	75 - 111	2	30		
1,2-Dichloroethane	97	96	68 - 129	2	30		
1,2-Dichloropropane	91	84	78 - 115	8	30		
1,3,5-Trimethylbenzene	85	83	63 - 121	3	30		
1,3-Dichlorobenzene	93	91	73 - 110	1	30		
1,3-Dichloropropane	99	98	74 - 118	2	30		
1,4-Dichlorobenzene	91	91	75 - 110	0	30		
2,2-Dichloropropane	77	78	38 - 127	2	30		
2-Chlorotoluene	86	84	69 - 117	2	30		
2-Hexanone	95	99	47 - 139	4	30		
4-Chlorotoluene	86	83	71 - 116	3	30		
Acetone	0	93	33 - 145	NC	30	F	
Benzene	92	90	72 - 121	3	30		
Bromobenzene	83	83	71 - 116	0	30		
Bromochloromethane	97	98	73 - 121	1	30		
Bromoform	78	77	32 - 128	1	30		
Bromomethane	43	46	10 - 186	8	30		
Carbon disulfide	85	86	57 - 147	1	30		
Carbon tetrachloride	97	95	59 - 129	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15984

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3787-B-4 MS	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9726.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1917			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1917				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3787-B-4 MSD	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9727.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1939			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1939				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	102	100	80 - 110	2	30		
Chloroethane	55	57	21 - 165	4	30		
Chloroform	101	94	76 - 118	7	30		
Chloromethane	45	50	33 - 132	9	30		
cis-1,2-Dichloroethene	96	96	70 - 120	1	30		
cis-1,3-Dichloropropene	75	72	51 - 110	5	30		
Bromodichloromethane	99	92	67 - 120	7	30		
Cyclohexane	74	73	49 - 123	1	30		
Dibromomethane	99	99	77 - 121	0	30		
Dichlorodifluoromethane	40	43	17 - 128	8	30		
1,2-Dibromoethane	107	103	74 - 113	4	30		
Ethyl ether	93	94	63 - 136	1	30		
Ethylbenzene	100	100	75 - 116	0	30		
Hexachlorobutadiene	61	57	27 - 132	8	30		
Isopropylbenzene	99	99	68 - 116	0	30		
Methyl acetate	83	84	47 - 130	1	30	J	J
2-Butanone (MEK)	87	84	54 - 129	4	30		
4-Methyl-2-pentanone (MIBK)	94	88	56 - 131	7	30		
m-Xylene & p-Xylene	97	98	75 - 117	1	30		
Methyl tert butyl ether	99	94	46 - 144	4	30		
Naphthalene	69	68	15 - 158	1	30		
Methylene Chloride	94	95	63 - 128	0	30		
n-Butylbenzene	86	87	56 - 127	1	30		
N-Propylbenzene	80	79	64 - 124	2	30		
o-Xylene	104	104	76 - 116	0	30		
p-Isopropyltoluene	91	91	64 - 122	1	30		
sec-Butylbenzene	83	82	60 - 119	1	30		
Styrene	105	104	71 - 117	1	30		
tert-Butylbenzene	81	83	61 - 119	2	30		
Tetrachloroethene	94	94	70 - 117	0	30		
Tetrahydrofuran	92	84	10 - 167	9	30		
Toluene	100	98	78 - 114	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15984

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-3787-B-4 MS	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9726.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1917			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1917				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3787-B-4 MSD	Analysis Batch:	240-15984	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ9727.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1939			Final Weight/Volume:	5 mL
Prep Date:	09/20/2011 1939				
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	97	94	80 - 119	3	30		
trans-1,3-Dichloropropene	85	87	46 - 116	3	30		
Trichloroethene	92	90	66 - 120	3	30		
Methylcyclohexane	81	81	49 - 127	0	30		
Trichlorofluoromethane	74	77	46 - 157	3	30		
Chlorodibromomethane	93	93	56 - 118	0	30		
Vinyl chloride	67	68	49 - 130	2	30		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		95		63 - 129
4-Bromofluorobenzene (Surr)	120	X	124	X	66 - 117
Toluene-d8 (Surr)	106		105		74 - 115
Dibromofluoromethane (Surr)	99		107		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-16114 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-16114/24-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	MB16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1007	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	27.4	J	19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-16114/24-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	MB16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1007	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	30.7	J	15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	34 - 110
2-Fluorophenol (Surr)	76	26 - 110
2,4,6-Tribromophenol (Surr)	69	10 - 118
Nitrobenzene-d5 (Surr)	68	24 - 112
Phenol-d5 (Surr)	75	28 - 110
Terphenyl-d14 (Surr)	87	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-16114/23-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	LCS16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1026	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	388	58	50 - 130	
2,2'-oxybis[1-chloropropane]	667	352	53	36 - 116	
2,4,5-Trichlorophenol	667	491	74	42 - 110	
2,4,6-Trichlorophenol	667	414	62	37 - 110	
2,4-Dichlorophenol	667	453	68	40 - 110	
2,4-Dimethylphenol	667	385	58	28 - 110	
2,4-Dinitrophenol	667	385	58	10 - 110	J
2,4-Dinitrotoluene	667	570	85	55 - 116	
2,6-Dinitrotoluene	667	550	82	54 - 115	
2-Chloronaphthalene	667	381	57	46 - 110	
2-Chlorophenol	667	368	55	39 - 110	
2-Methylnaphthalene	667	383	57	46 - 110	
2-Methylphenol	667	413	62	36 - 110	
2-Nitroaniline	667	508	76	47 - 124	J
2-Nitrophenol	667	371	56	35 - 110	
3,3'-Dichlorobenzidine	667	341	51	31 - 110	J
3-Nitroaniline	667	478	72	44 - 110	J
4,6-Dinitro-2-methylphenol	667	515	77	21 - 110	J
4-Bromophenyl phenyl ether	667	495	74	53 - 112	
4-Chloro-3-methylphenol	667	496	74	42 - 110	
4-Chloroaniline	667	335	50	25 - 110	
4-Chlorophenyl phenyl ether	667	478	72	53 - 110	
4-Nitroaniline	667	516	77	50 - 110	J
4-Nitrophenol	667	483	72	24 - 117	J
Acenaphthene	667	402	60	46 - 110	
Acenaphthylene	667	410	61	47 - 110	
Acetophenone	667	386	58	50 - 130	
Anthracene	667	477	72	56 - 111	
Atrazine	667	580	87	50 - 130	
Benzaldehyde	667	387	58	10 - 130	
Benzo[a]anthracene	667	579	87	58 - 111	
Benzo[a]pyrene	667	473	71	44 - 115	
Benzo[b]fluoranthene	667	523	78	43 - 124	
Benzo[g,h,i]perylene	667	592	89	44 - 120	
Benzo[k]fluoranthene	667	517	77	38 - 122	
Bis(2-chloroethoxy)methane	667	369	55	42 - 110	
Bis(2-chloroethyl)ether	667	354	53	41 - 110	
Bis(2-ethylhexyl) phthalate	667	1220	183	56 - 123	*
Butyl benzyl phthalate	667	545	82	57 - 121	
Caprolactam	667	545	82	50 - 130	
Carbazole	667	509	76	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-16114/23-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	LCS16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1026	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	513	77	56 - 111	
Dibenz(a,h)anthracene	667	572	86	45 - 122	
Dibenzofuran	667	425	64	50 - 110	
Diethyl phthalate	667	500	75	55 - 114	
Dimethyl phthalate	667	483	72	54 - 112	
Di-n-butyl phthalate	667	547	82	57 - 119	
Di-n-octyl phthalate	667	603	90	45 - 123	
Fluoranthene	667	575	86	55 - 118	
Fluorene	667	493	74	51 - 110	
Hexachlorobenzene	667	538	81	51 - 110	
Hexachlorobutadiene	667	345	52	39 - 110	
Hexachlorocyclopentadiene	667	233	35	10 - 110	J
Hexachloroethane	667	357	54	38 - 110	
Indeno[1,2,3-cd]pyrene	667	561	84	45 - 121	
Isophorone	667	383	57	46 - 117	
Naphthalene	667	335	50	42 - 110	
Nitrobenzene	667	361	54	40 - 110	
N-Nitrosodi-n-propylamine	667	383	57	40 - 114	
N-Nitrosodiphenylamine	667	483	72	54 - 112	
Pentachlorophenol	667	341	51	10 - 110	
Phenol	667	420	63	39 - 110	
Phenanthrene	667	527	79	54 - 110	
Pyrene	667	476	71	58 - 113	
3 & 4 Methylphenol	1330	893	67	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	57	34 - 110
2-Fluorophenol (Surr)	57	26 - 110
2,4,6-Tribromophenol (Surr)	67	10 - 118
Nitrobenzene-d5 (Surr)	48	24 - 112
Phenol-d5 (Surr)	62	28 - 110
Terphenyl-d14 (Surr)	88	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16114

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3692-E-6-B MS	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 1520			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-E-6-C MSD	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1539			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	64	61	50 - 130	5	30		
2,2'-oxybis[1-chloropropane]	80	67	25 - 124	18	30		
2,4,5-Trichlorophenol	62	68	32 - 112	9	30		
2,4,6-Trichlorophenol	47	51	22 - 110	7	30	J	
2,4-Dichlorophenol	71	63	33 - 110	13	30		
2,4-Dimethylphenol	69	61	19 - 114	12	30		
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
2,4-Dinitrotoluene	72	75	42 - 118	3	30		
2,6-Dinitrotoluene	80	76	28 - 137	5	30		
2-Chloronaphthalene	66	64	40 - 110	2	30		
2-Chlorophenol	81	68	32 - 110	18	30		
2-Methylnaphthalene	74	69	10 - 200	6	30		
2-Methylphenol	68	71	19 - 124	3	30		
2-Nitroaniline	73	73	31 - 141	1	30	J	J
2-Nitrophenol	68	66	17 - 110	2	30		
3,3'-Dichlorobenzidine	37	20	10 - 110	62	30	J	J F
3-Nitroaniline	55	63	24 - 110	12	30	J	J
4,6-Dinitro-2-methylphenol	14	20	10 - 110	35	30	J	J F
4-Bromophenyl phenyl ether	71	67	44 - 120	5	30		
4-Chloro-3-methylphenol	70	68	32 - 117	4	30		
4-Chloroaniline	40	43	11 - 110	7	30	J	J
4-Chlorophenyl phenyl ether	70	74	47 - 116	5	30		
4-Nitroaniline	63	56	23 - 124	11	30	J	J
4-Nitrophenol	0	0	10 - 125	NC	30	F	F
Acenaphthene	65	64	10 - 200	1	30		
Acenaphthylene	64	64	10 - 200	0	30		
Acetophenone	83	71	50 - 130	15	30		
Anthracene	67	69	10 - 200	3	30		
Atrazine	78	81	50 - 130	3	30		
Benzaldehyde	91	82	10 - 130	11	30		
Benzo[a]anthracene	79	78	10 - 200	1	30		
Benzo[a]pyrene	65	63	10 - 200	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16114

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3692-E-6-B MS	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 1520			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-E-6-C MSD	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1539			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	60	63	10 - 200	5	30		
Benzo[g,h,i]perylene	77	78	10 - 200	1	30		
Benzo[k]fluoranthene	81	80	10 - 200	2	30		
Bis(2-chloroethoxy)methane	74	69	36 - 110	8	30		
Bis(2-chloroethyl)ether	92	74	32 - 118	22	30		
Bis(2-ethylhexyl) phthalate	79	81	10 - 200	2	30		
Butyl benzyl phthalate	84	80	43 - 138	6	30		
Caprolactam	80	50	50 - 130	45	30		F
Carbazole	69	69	10 - 162	0	30		
Chrysene	70	75	10 - 200	7	30		
Dibenz(a,h)anthracene	78	75	10 - 200	4	30		
Dibenzofuran	65	65	10 - 200	1	30		
Diethyl phthalate	72	72	48 - 118	0	30		
Dimethyl phthalate	71	72	47 - 116	1	30		
Di-n-butyl phthalate	78	77	31 - 145	2	30		
Di-n-octyl phthalate	84	83	10 - 182	2	30		
Fluoranthene	78	79	10 - 200	1	30		
Fluorene	73	71	10 - 187	3	30		
Hexachlorobenzene	78	78	37 - 122	0	30		
Hexachlorobutadiene	74	64	30 - 110	15	30		
Hexachlorocyclopentadiene	0	10	10 - 110	NC	30	F	J
Hexachloroethane	80	70	13 - 110	13	30		
Indeno[1,2,3-cd]pyrene	75	75	10 - 200	1	30		
Isophorone	69	64	32 - 129	9	30		
Naphthalene	71	63	10 - 200	11	30		
Nitrobenzene	74	71	33 - 111	5	30		
N-Nitrosodi-n-propylamine	77	66	30 - 121	16	30		
N-Nitrosodiphenylamine	68	70	10 - 169	2	30		
Pentachlorophenol	17	35	10 - 182	67	30	J	J F
Phenol	84	70	10 - 144	18	30		
Phenanthrene	72	76	10 - 200	5	30		
Pyrene	72	71	10 - 200	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16114

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3692-E-6-B MS	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 1520			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-E-6-C MSD	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1539			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	72	67	27 - 116	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	61	34 - 110
2-Fluorophenol (Surr)	82	75	26 - 110
2,4,6-Tribromophenol (Surr)	46	62	10 - 118
Nitrobenzene-d5 (Surr)	69	60	24 - 112
Phenol-d5 (Surr)	81	68	28 - 110
Terphenyl-d14 (Surr)	86	88	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-16303 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-16303/22-A	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-16303	Lab File ID:	0927005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1332	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-16303 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-16303/22-A	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-16303	Lab File ID:	0927005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1332	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	49	34 - 110
2-Fluorophenol (Surr)	55	26 - 110
2,4,6-Tribromophenol (Surr)	55	10 - 118
Nitrobenzene-d5 (Surr)	46	24 - 112
Phenol-d5 (Surr)	55	28 - 110
Terphenyl-d14 (Surr)	74	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-16303

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-16303/21-A	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-16303	Lab File ID:	0927006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1350	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	367	55	50 - 130	
2,2'-oxybis[1-chloropropane]	667	348	52	36 - 116	
2,4,5-Trichlorophenol	667	387	58	42 - 110	
2,4,6-Trichlorophenol	667	383	57	37 - 110	
2,4-Dichlorophenol	667	405	61	40 - 110	
2,4-Dimethylphenol	667	361	54	28 - 110	
2,4-Dinitrophenol	667	370	55	10 - 110	J
2,4-Dinitrotoluene	667	437	66	55 - 116	
2,6-Dinitrotoluene	667	436	65	54 - 115	
2-Chloronaphthalene	667	372	56	46 - 110	
2-Chlorophenol	667	387	58	39 - 110	
2-Methylnaphthalene	667	394	59	46 - 110	
2-Methylphenol	667	383	57	36 - 110	
2-Nitroaniline	667	393	59	47 - 124	J
2-Nitrophenol	667	393	59	35 - 110	
3,3'-Dichlorobenzidine	667	310	46	31 - 110	J
3-Nitroaniline	667	372	56	44 - 110	J
4,6-Dinitro-2-methylphenol	667	425	64	21 - 110	J
4-Bromophenyl phenyl ether	667	403	60	53 - 112	
4-Chloro-3-methylphenol	667	415	62	42 - 110	
4-Chloroaniline	667	315	47	25 - 110	J
4-Chlorophenyl phenyl ether	667	406	61	53 - 110	
4-Nitroaniline	667	420	63	50 - 110	J
4-Nitrophenol	667	383	57	24 - 117	J
Acenaphthene	667	375	56	46 - 110	
Acenaphthylene	667	378	57	47 - 110	
Acetophenone	667	373	56	50 - 130	
Anthracene	667	421	63	56 - 111	
Atrazine	667	493	74	50 - 130	
Benzaldehyde	667	470	70	10 - 130	
Benzo[a]anthracene	667	451	68	58 - 111	
Benzo[a]pyrene	667	385	58	44 - 115	
Benzo[b]fluoranthene	667	443	66	43 - 124	
Benzo[g,h,i]perylene	667	429	64	44 - 120	
Benzo[k]fluoranthene	667	411	62	38 - 122	
Bis(2-chloroethoxy)methane	667	377	57	42 - 110	
Bis(2-chloroethyl)ether	667	365	55	41 - 110	
Bis(2-ethylhexyl) phthalate	667	443	66	56 - 123	
Butyl benzyl phthalate	667	430	64	57 - 121	
Caprolactam	667	451	68	50 - 130	
Carbazole	667	426	64	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-16303

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-16303/21-A	Analysis Batch:	240-16867	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-16303	Lab File ID:	0927006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1350	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/22/2011 0917			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	383	57	56 - 111	
Dibenz(a,h)anthracene	667	411	62	45 - 122	
Dibenzofuran	667	385	58	50 - 110	
Diethyl phthalate	667	403	60	55 - 114	
Dimethyl phthalate	667	407	61	54 - 112	
Di-n-butyl phthalate	667	442	66	57 - 119	
Di-n-octyl phthalate	667	427	64	45 - 123	
Fluoranthene	667	457	68	55 - 118	
Fluorene	667	405	61	51 - 110	
Hexachlorobenzene	667	429	64	51 - 110	
Hexachlorobutadiene	667	385	58	39 - 110	
Hexachlorocyclopentadiene	667	323	48	10 - 110	J
Hexachloroethane	667	385	58	38 - 110	
Indeno[1,2,3-cd]pyrene	667	407	61	45 - 121	
Isophorone	667	371	56	46 - 117	
Naphthalene	667	379	57	42 - 110	
Nitrobenzene	667	369	55	40 - 110	
N-Nitrosodi-n-propylamine	667	374	56	40 - 114	
N-Nitrosodiphenylamine	667	405	61	54 - 112	
Pentachlorophenol	667	396	59	10 - 110	
Phenol	667	389	58	39 - 110	
Phenanthrene	667	415	62	54 - 110	
Pyrene	667	415	62	58 - 113	
3 & 4 Methylphenol	1330	787	59	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	55	34 - 110
2-Fluorophenol (Surr)	59	26 - 110
2,4,6-Tribromophenol (Surr)	57	10 - 118
Nitrobenzene-d5 (Surr)	55	24 - 112
Phenol-d5 (Surr)	60	28 - 110
Terphenyl-d14 (Surr)	68	41 - 119

Method Blank - Batch: 240-17205

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-17205/20-A	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/03/2011 1603	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-17205

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-17205/20-A	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/03/2011 1603	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	34 - 110
2-Fluorophenol (Surr)	62	26 - 110
2,4,6-Tribromophenol (Surr)	60	10 - 118
Nitrobenzene-d5 (Surr)	54	24 - 112
Phenol-d5 (Surr)	61	28 - 110
Terphenyl-d14 (Surr)	74	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-17205

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-17205/19-A	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/03/2011 1621	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	343	51	50 - 130	
2,2'-oxybis[1-chloropropane]	667	289	43	36 - 116	J
2,4,5-Trichlorophenol	667	438	66	42 - 110	
2,4,6-Trichlorophenol	667	417	63	37 - 110	
2,4-Dichlorophenol	667	413	62	40 - 110	
2,4-Dimethylphenol	667	351	53	28 - 110	
2,4-Dinitrophenol	667	332	50	10 - 110	J
2,4-Dinitrotoluene	667	487	73	55 - 116	
2,6-Dinitrotoluene	667	471	71	54 - 115	
2-Chloronaphthalene	667	345	52	46 - 110	
2-Chlorophenol	667	382	57	39 - 110	
2-Methylnaphthalene	667	343	51	46 - 110	
2-Methylphenol	667	399	60	36 - 110	
2-Nitroaniline	667	431	65	47 - 124	J
2-Nitrophenol	667	381	57	35 - 110	
3,3'-Dichlorobenzidine	667	301	45	31 - 110	J
3-Nitroaniline	667	423	63	44 - 110	J
4,6-Dinitro-2-methylphenol	667	475	71	21 - 110	J
4-Bromophenyl phenyl ether	667	435	65	53 - 112	
4-Chloro-3-methylphenol	667	462	69	42 - 110	
4-Chloroaniline	667	325	49	25 - 110	J
4-Chlorophenyl phenyl ether	667	410	61	53 - 110	
4-Nitroaniline	667	461	69	50 - 110	J
4-Nitrophenol	667	469	70	24 - 117	J
Acenaphthene	667	363	54	46 - 110	
Acenaphthylene	667	377	57	47 - 110	
Acetophenone	667	359	54	50 - 130	
Anthracene	667	455	68	56 - 111	
Atrazine	667	534	80	50 - 130	
Benzaldehyde	667	361	54	10 - 130	
Benzo[a]anthracene	667	449	67	58 - 111	
Benzo[a]pyrene	667	433	65	44 - 115	
Benzo[b]fluoranthene	667	396	59	43 - 124	
Benzo[g,h,i]perylene	667	503	75	44 - 120	
Benzo[k]fluoranthene	667	557	83	38 - 122	
Bis(2-chloroethoxy)methane	667	377	56	42 - 110	
Bis(2-chloroethyl)ether	667	322	48	41 - 110	J
Bis(2-ethylhexyl) phthalate	667	569	85	56 - 123	
Butyl benzyl phthalate	667	501	75	57 - 121	
Caprolactam	667	494	74	50 - 130	
Carbazole	667	474	71	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-17205

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-17205/19-A	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/03/2011 1621	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	473	71	56 - 111	
Dibenz(a,h)anthracene	667	495	74	45 - 122	
Dibenzofuran	667	389	58	50 - 110	
Diethyl phthalate	667	466	70	55 - 114	
Dimethyl phthalate	667	450	67	54 - 112	
Di-n-butyl phthalate	667	498	75	57 - 119	
Di-n-octyl phthalate	667	503	75	45 - 123	
Fluoranthene	667	491	74	55 - 118	
Fluorene	667	411	62	51 - 110	
Hexachlorobenzene	667	432	65	51 - 110	
Hexachlorobutadiene	667	276	41	39 - 110	J
Hexachlorocyclopentadiene	667	221	33	10 - 110	J
Hexachloroethane	667	273	41	38 - 110	J
Indeno[1,2,3-cd]pyrene	667	473	71	45 - 121	
Isophorone	667	363	54	46 - 117	
Naphthalene	667	313	47	42 - 110	J
Nitrobenzene	667	333	50	40 - 110	
N-Nitrosodi-n-propylamine	667	365	55	40 - 114	
N-Nitrosodiphenylamine	667	444	67	54 - 112	
Pentachlorophenol	667	445	67	10 - 110	
Phenol	667	423	63	39 - 110	
Phenanthrene	667	438	66	54 - 110	
Pyrene	667	470	70	58 - 113	
3 & 4 Methylphenol	1330	853	64	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	50	34 - 110
2-Fluorophenol (Surr)	60	26 - 110
2,4,6-Tribromophenol (Surr)	62	10 - 118
Nitrobenzene-d5 (Surr)	49	24 - 112
Phenol-d5 (Surr)	63	28 - 110
Terphenyl-d14 (Surr)	78	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	53	55	34 - 110
2-Fluorophenol (Surr)	60	62	26 - 110
2,4,6-Tribromophenol (Surr)	58	59	10 - 118
Nitrobenzene-d5 (Surr)	53	55	24 - 112
Phenol-d5 (Surr)	60	61	28 - 110
Terphenyl-d14 (Surr)	69	71	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-17205

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3807-3RE	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	10/03/2011 2216	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-3RE	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	10/03/2011 2235	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	55	58	50 - 130	5	30	H	H
2,2'-oxybis[1-chloropropane]	51	53	25 - 124	5	30	H	H
2,4,5-Trichlorophenol	65	66	32 - 112	3	30	H	H
2,4,6-Trichlorophenol	62	64	22 - 110	3	30	H	H
2,4-Dichlorophenol	65	66	33 - 110	2	30	H	H
2,4-Dimethylphenol	57	59	19 - 114	4	30	H	H
2,4-Dinitrophenol	44	31	10 - 110	35	30	J H	J H F
2,4-Dinitrotoluene	65	66	42 - 118	2	30	H	H
2,6-Dinitrotoluene	65	69	28 - 137	6	30	H	H
2-Chloronaphthalene	55	59	40 - 110	6	30	H	H
2-Chlorophenol	59	61	32 - 110	2	30	H	H
2-Methylnaphthalene	58	59	10 - 200	3	30	H	H
2-Methylphenol	56	58	19 - 124	4	30	H	H
2-Nitroaniline	61	63	31 - 141	3	30	J H	J H
2-Nitrophenol	59	62	17 - 110	4	30	H	H
3,3'-Dichlorobenzidine	6	9	10 - 110	41	30	J H F	J H F
3-Nitroaniline	42	44	24 - 110	4	30	J H	J H
4,6-Dinitro-2-methylphenol	52	37	10 - 110	33	30	J H	J H F
4-Bromophenyl phenyl ether	61	64	44 - 120	5	30	H	H
4-Chloro-3-methylphenol	68	70	32 - 117	4	30	H	H
4-Chloroaniline	26	29	11 - 110	10	30	J H	J H
4-Chlorophenyl phenyl ether	60	62	47 - 116	4	30	H	H
4-Nitroaniline	40	46	23 - 124	14	30	J H	J H
4-Nitrophenol	71	72	10 - 125	3	30	J H	J H
Acenaphthene	55	57	10 - 200	5	30	H	H
Acenaphthylene	57	60	10 - 200	5	30	H	H
Acetophenone	55	56	50 - 130	2	30	H	H
Anthracene	59	62	10 - 200	5	30	H	H
Atrazine	67	72	50 - 130	7	30	H	H
Benzaldehyde	67	70	10 - 130	4	30	H	H
Benzo[a]anthracene	53	56	10 - 200	4	30	H	H
Benzo[a]pyrene	46	49	10 - 200	4	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-17205

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3807-3RE	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	10/03/2011 2216	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-3RE	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	10/03/2011 2235	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	42	49	10 - 200	11	30	H	H
Benzo[g,h,i]perylene	55	58	10 - 200	5	30	H	H
Benzo[k]fluoranthene	67	65	10 - 200	2	30	H	H
Bis(2-chloroethoxy)methane	56	58	36 - 110	2	30	H	H
Bis(2-chloroethyl)ether	58	56	32 - 118	3	30	H	H
Bis(2-ethylhexyl) phthalate	67	71	10 - 200	6	30	H	H
Butyl benzyl phthalate	68	71	43 - 138	4	30	H	H
Caprolactam	70	71	50 - 130	2	30	H	H
Carbazole	60	64	10 - 162	6	30	H	H
Chrysene	53	56	10 - 200	4	30	H	H
Dibenz(a,h)anthracene	60	64	10 - 200	7	30	H	H
Dibenzofuran	56	59	10 - 200	5	30	H	H
Diethyl phthalate	63	66	48 - 118	5	30	H	H
Dimethyl phthalate	61	64	47 - 116	5	30	H	H
Di-n-butyl phthalate	65	69	31 - 145	6	30	H	H
Di-n-octyl phthalate	69	73	10 - 182	7	30	H	H
Fluoranthene	46	51	10 - 200	5	30	H	H
Fluorene	56	59	10 - 187	5	30	H	H
Hexachlorobenzene	60	63	37 - 122	4	30	H	H
Hexachlorobutadiene	52	53	30 - 110	3	30	H	H
Hexachlorocyclopentadiene	0	0	10 - 110	NC	30	H F	H F
Hexachloroethane	50	52	13 - 110	3	30	H	H
Indeno[1,2,3-cd]pyrene	54	57	10 - 200	6	30	H	H
Isophorone	54	56	32 - 129	3	30	H	H
Naphthalene	52	53	10 - 200	3	30	H	H
Nitrobenzene	55	57	33 - 111	3	30	H	H
N-Nitrosodi-n-propylamine	56	57	30 - 121	2	30	H	H
N-Nitrosodiphenylamine	62	66	10 - 169	5	30	H	H
Pentachlorophenol	60	61	10 - 182	2	30	H	H
Phenol	61	62	10 - 144	2	30	H	H
Phenanthrene	46	48	10 - 200	3	30	H	H
Pyrene	47	51	10 - 200	4	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-17205

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3807-3RE	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	10/03/2011 2216	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-3RE	Analysis Batch:	240-17700	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-17205	Lab File ID:	1003027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	10/03/2011 2235	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	09/29/2011 0839			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	62	62	27 - 116	0	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-16936 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-16936/1-A	Analysis Batch:	240-17016	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16936	Lab File ID:	YF092806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/28/2011 1236	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/27/2011 1339			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-16936 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-16936/2-A	Analysis Batch:	240-17016	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16936	Lab File ID:	YF092807.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/28/2011 1315	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/27/2011 1339			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-16936/3-A	Analysis Batch:	240-17016	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16936	Lab File ID:	YF092817.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/28/2011 1949	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/27/2011 1339			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	98	95	80 - 120	2	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16936

Method: WI-GRO
Preparation: 5035

MS Lab Sample ID:	240-3807-2	Analysis Batch:	240-17016	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16936	Lab File ID:	YF092813.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	11.062 g
Analysis Date:	09/28/2011 1714			Final Weight/Volume:	11.1 mL
Prep Date:	09/27/2011 1339			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-2	Analysis Batch:	240-17016	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16936	Lab File ID:	YF092814.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	10.452 g
Analysis Date:	09/28/2011 1753			Final Weight/Volume:	10 mL
Prep Date:	09/27/2011 1339			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	-31697	-46602	80 - 120	131	20	4	J 4 F

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-16128

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-16128/20-A	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/23/2011 1504	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	87	29 - 151
DCB Decachlorobiphenyl	93	14 - 163

Lab Control Sample - Batch: 240-16128

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-16128/19-A	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/23/2011 1448	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	305	91	62 - 120	
Aroclor-1260	333	325	97	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	100	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16128

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3807-3	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.92 g
Analysis Date:	09/23/2011 1417			Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3807-3	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.95 g
Analysis Date:	09/23/2011 1432			Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	10	75	22 - 157	154	30	J F	F
Aroclor-1260	8	71	13 - 161	159	30	J F	F

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	8	X	72	29 - 151
DCB Decachlorobiphenyl	10	X	79	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15710

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-15710/11-A	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-15710	Lab File ID:	P5092206.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/22/2011 0940	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	2.66	J	1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-15710

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-15710/9-A	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-15710	Lab File ID:	P5092207.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/22/2011 1009	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-15710/10-A	Analysis Batch:	240-16270	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-15710	Lab File ID:	P5092216.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/22/2011 1428	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	99	106	70 - 120	7	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15710

Method: WI-DRO
Preparation: WI DRO PREP

MS Lab Sample ID:	240-3807-2	Analysis Batch:	240-16663	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-15710	Lab File ID:	P5092607.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	28.36 g
Analysis Date:	09/26/2011 1154			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-2	Analysis Batch:	240-16663	Instrument ID:	A2HP5
Client Matrix:	Solid	Prep Batch:	240-15710	Lab File ID:	P5092608.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	30.28 g
Analysis Date:	09/26/2011 1224			Final Weight/Volume:	1 mL
Prep Date:	09/16/2011 1421			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	8501	-1080	60 - 130	48	25	4	4 F

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15660

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-15660/1-A	Analysis Batch:	240-17001	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/27/2011 1529	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	ND		0.39	1.0
Barium	0.289	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	20.5	J	16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	ND		4.9	10
Potassium	19.5	J	6.2	500
Magnesium	6.74	J	5.1	500
Manganese	0.0904	J	0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Lab Control Sample - Batch: 240-15660

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-15660/2-A	Analysis Batch:	240-17001	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/27/2011 1534	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	200	100	80 - 120	
Antimony	50.0	50.2	100	80 - 120	
Barium	200	214	107	80 - 120	
Beryllium	5.00	5.38	108	80 - 120	
Calcium	5000	5060	101	80 - 120	
Cadmium	5.00	5.27	105	80 - 120	
Cobalt	50.0	51.1	102	80 - 120	
Chromium	20.0	20.7	104	80 - 120	
Copper	25.0	25.8	103	80 - 120	
Iron	100	107	107	80 - 120	
Potassium	5000	4910	98	80 - 120	
Magnesium	5000	4990	100	80 - 120	
Manganese	50.0	54.2	108	80 - 120	
Silver	5.00	5.07	101	80 - 120	
Sodium	5000	4890	98	80 - 120	
Nickel	50.0	51.0	102	80 - 120	
Vanadium	50.0	50.7	101	80 - 120	
Zinc	50.0	52.9	106	80 - 120	
Arsenic	200	202	101	80 - 120	
Lead	50.0	51.6	103	80 - 120	
Selenium	200	199	100	80 - 120	
Thallium	200	205	103	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15660

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3807-2	Analysis Batch:	240-17001	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	09/27/2011 1551			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-2	Analysis Batch:	240-17001	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15660	Lab File ID:	I50927A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	09/27/2011 1557			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1019				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	1854	1939	75 - 125	1	20	4	4
Antimony	43	52	75 - 125	14	20	F	F
Barium	229	56	75 - 125	33	20	F	F
Beryllium	103	103	75 - 125	0	20		
Calcium	63	65	75 - 125	0	20	F	F
Cadmium	110	99	75 - 125	7	20		
Cobalt	94	95	75 - 125	1	20		
Chromium	196	3	75 - 125	41	20	F	F
Copper	94	107	75 - 125	6	20		
Iron	637	-909	75 - 125	11	20	4	4
Potassium	121	133	75 - 125	6	20		F
Magnesium	109	111	75 - 125	1	20		
Manganese	-15	-69	75 - 125	9	20	4	4
Silver	98	98	75 - 125	0	20		
Sodium	93	94	75 - 125	1	20		
Nickel	95	97	75 - 125	2	20		
Vanadium	92	83	75 - 125	8	20		
Zinc	230	-389	75 - 125	58	20	4	4 F
Arsenic	96	97	75 - 125	1	20		
Lead	65	490	75 - 125	29	20	4	4 F
Selenium	93	93	75 - 125	0	20		
Thallium	94	95	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15676

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-15676/1-A	Analysis Batch:	240-16896	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/26/2011 2230	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.143	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	0.378	J	0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-15676

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-15676/2-A	Analysis Batch:	240-16896	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/26/2011 2236	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	218	109	80 - 120	
Cadmium	5.00	4.63	93	80 - 120	
Chromium	20.0	18.6	93	80 - 120	
Silver	5.00	5.01	100	80 - 120	
Arsenic	200	203	102	80 - 120	
Lead	50.0	50.6	101	80 - 120	
Selenium	200	194	97	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15676

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3807-26	Analysis Batch:	240-16896	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	09/26/2011 2255			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-26	Analysis Batch:	240-16896	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15676	Lab File ID:	I60926B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	09/26/2011 2301			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1112				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	116	117	75 - 125	1	20		
Cadmium	86	87	75 - 125	1	20		
Chromium	89	90	75 - 125	1	20		
Silver	95	94	75 - 125	1	20		
Arsenic	97	96	75 - 125	1	20		
Lead	110	116	75 - 125	3	20		
Selenium	92	92	75 - 125	1	20		

TCLP SPLPE Leachate Blank - Batch: 240-15941

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 240-15811/1-D	Analysis Batch:	240-16267	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1011	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 0959				

Analyte	Result	Qual	MDL	RL
Lead	0.00194	J	0.0019	0.50

Method Blank - Batch: 240-15941

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 240-15941/2-A	Analysis Batch:	240-16267	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1017	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Lead	ND		0.0019	0.50

Lab Control Sample - Batch: 240-15941

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 240-15941/3-A	Analysis Batch:	240-16267	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1023	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	0.500	0.518	104	50 - 150	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15941

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	240-3841-A-1-C MS ^5	Analysis Batch:	240-16267	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	5.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1040			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 0959				

MSD Lab Sample ID:	240-3841-A-1-D MSD ^5	Analysis Batch:	240-16267	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15941	Lab File ID:	I50921A
Dilution:	5.0	Leach Batch:	240-15811	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1045			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 0729				
Leach Date:	09/19/2011 0959				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	106	106	50 - 150	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Method Blank - Batch: 240-15682

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-15682/1-A	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2011 1757	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-15682

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-15682/2-A	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2011 1758	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.852	102	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15682

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3807-2	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/16/2011 1800			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-2	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15682	Lab File ID:	HG10916C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/16/2011 1804			Final Weight/Volume:	100 mL
Prep Date:	09/16/2011 1410				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	106	101	11 - 192	5	20		

Method Blank - Batch: 220-54919

Method: D4282_02
Preparation: D4282_02

Lab Sample ID:	MB 220-54919/1-A	Analysis Batch:	220-54931	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	220-54919	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5000 g
Analysis Date:	09/19/2011 1737	Units:	ug/Kg	Final Weight/Volume:	3 mL
Prep Date:	09/19/2011 1220				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Free	ND		15	60

Matrix Spike Blank - Batch: 220-54919

Method: D4282_02
Preparation: D4282_02

Lab Sample ID:	MSB 220-54919/2-A	Analysis Batch:	220-54931	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	220-54919	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5000 g
Analysis Date:	09/19/2011 1739	Units:	ug/Kg	Final Weight/Volume:	3 mL
Prep Date:	09/19/2011 1220				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Free	300	300	100	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-54919

Method: D4282_02
Preparation: D4282_02

MS Lab Sample ID:	240-3807-28	Analysis Batch:	220-54931	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	220-54919	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5045 g
Analysis Date:	09/19/2011 1745			Final Weight/Volume:	3 mL
Prep Date:	09/19/2011 1220				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3807-28	Analysis Batch:	220-54931	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	220-54919	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5040 g
Analysis Date:	09/19/2011 1810			Final Weight/Volume:	3 mL
Prep Date:	09/19/2011 1220				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Free	76	78	75 - 125	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Duplicate - Batch: 240-15476

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3807-12	Analysis Batch:	240-15476	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/15/2011 1014	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	88	88	0.03	20	
Percent Moisture	12	12	0.2	20	

Duplicate - Batch: 240-15476

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3807-2	Analysis Batch:	240-15476	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/15/2011 1014	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	78	1	20	
Percent Moisture	21	22	4	20	

Duplicate - Batch: 240-15476

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3807-28	Analysis Batch:	240-15476	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/15/2011 1020	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	84	87	3	20	
Percent Moisture	16	13	18	20	

Client: ARCADIS U.S., Inc. Job Number: 240-3807-1

Duplicate - Batch: 240-15476

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3807-30	Analysis Batch:	240-15476	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/15/2011 1020	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	90	90	0.4	20	
Percent Moisture	9.6	10	4	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3807-1

Login Number: 3807

List Source: TestAmerica North Canton

List Number: 1

Creator: Burns, Terry

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5, 2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3807-1

Login Number: 3807
List Number: 1
Creator: Teixeira, Maria L

List Source: TestAmerica Connecticut
List Creation: 09/16/11 10:28 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	9/16/11
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	gun#3 1.2c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

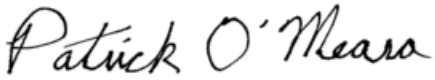
ANALYTICAL REPORT

Job Number: 240-3692-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Patrick J O'Meara
Project Manager II
10/13/2011 1:41 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
10/13/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-3692-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/09/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-175_4-6(20110908) (240-3692-1), ASB-176_8-10(20110908) (240-3692-2), ASB-177_4-6(20110908) (240-3692-3), ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6), ASB-180_2-4(20110908) (240-3692-7) and MB-01120110908 (240-3692-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/12/2011, 09/14/2011 and 09/15/2011.

Naphthalene was detected in method blank MB 240-14890/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Naphthalene was detected in method blank MB 240-15029/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for ASB-176_8-10(20110908) (240-3692-2).

1,2-Dichloroethane-d4 (Surr) failed the surrogate recovery criteria high for MB-01120110908 (240-3692-8). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for ASB-175_4-6(20110908)MS (240-3692-1MS).

For the MS/MSD of sample ASB-175_4-6(20110908) (240-3692-1) in batch 240-15310, several analytes failed the recovery criteria low and several analytes failed the recovery criteria high. Also, several analytes exceeded the rpd limit.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 14890.

Refer to the QC report for additional detail.

Samples ASB-175_4-6(20110908) (240-3692-1)[3.33X] and ASB-176_8-10(20110908) (240-3692-2)[66.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were analyzed on 09/27/2011 and 10/07/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-16114/24-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Method(s) 8270C: The associated LCS 240-16114/23-A for samples ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6), ASB-180_2-4(20110908) (240-3692-7) had bis(2-Ethylhexyl)phthalate contamination and failed recovery criteria hig. Upon re-extraction and re-analysis all QC met acceptance criteria, however samples holding times had been exceeded. Both sets of data are reported.

2,4-Dinitrophenol, 4-Nitrophenol and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample ASB-180_0-2(20110908)MS (240-3692-6). 2,4-Dinitrophenol and 4-Nitrophenol failed the recovery criteria low for the MSD of sample ASB-180_0-2(20110908)MSD (240-3692-6) in batch 240-16875. 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, Caprolactam and Pentachlorophenol exceeded the rpd limit.

Hexachlorocyclopentadiene failed the recovery criteria low for the MS/MSD of sample 240-4269-1 in batch 240-18342. 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol exceeded the rpd limit.

2,4-Dinitrophenol, 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene failed the recovery criteria low for the MS/MSD of sample 240-4331-1 in batch 240-18342.

Refer to the QC report for details.

The following sample(s) was diluted due to the nature of the sample matrix: ASB-178_0-2(20110908) (240-3692-4). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-175_4-6(20110908) (240-3692-1), ASB-176_8-10(20110908) (240-3692-2), ASB-177_4-6(20110908) (240-3692-3), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 09/26/2011, 09/27/2011 and 09/28/2011.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria low for the MS/MSD of sample ASB-175_4-6(20110908) (240-3692-1) in batch 240-16677. WI Gasoline Range Organics (C6-C10) exceeded the rpd limit.

Refer to the QC report for details.

Samples ASB-175_4-6(20110908) (240-3692-1)[100X] and ASB-176_8-10(20110908) (240-3692-2)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) for WIS GRO associated with batch 16677 recovered above the upper control limit. The following sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported: ASB-177_4-6(20110908) (240-3692-3)

The LCSD that was used as the closing standard for batch 17016 recovered at 95% but does not appear on the reports for this

associated sample: ASB-175_4-6(20110908) (240-3692-1). The LCSD is used as QC for another preparation batch not associated with this sample.

No other difficulties were encountered during the WI-GRO analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were analyzed on 09/23/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for 240-3807-E-3-C MS.

Aroclor-1016 and Aroclor-1260 failed the recovery criteria low for the MS of sample 240-3807-3 in batch 240-16423. Aroclor-1016 and Aroclor-1260 exceeded the rpd limit for the MSD of sample.

Refer to the QC report for details.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-184_2-4(20110909) (240-3807-3), (240-3807-3 MS), (240-3807-3 MSD), ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6), and ASB-180_2-4(20110908) (240-3692-7).

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-175_4-6(20110908) (240-3692-1), ASB-176_8-10(20110908) (240-3692-2), ASB-177_4-6(20110908) (240-3692-3), ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were analyzed on 09/16/2011 and 09/19/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria low for LCSD 240-14900/11-A. WI Diesel Range Organics (C10-C28) exceeded the rpd limit. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data has been reported.

WI Diesel Range Organics (C10-C28) failed the recovery criteria high for the MS/MSD of sample ASB-175_4-6(20110908)MS/MSD (240-3692-1) in batch 240-15817.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples ASB-175_4-6(20110908) (240-3692-1)[100X] and ASB-176_8-10(20110908) (240-3692-2)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-175_4-6(20110908) (240-3692-1), ASB-176_8-10(20110908) (240-3692-2), ASB-177_4-6(20110908) (240-3692-3), ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were analyzed on 09/15/2011.

Iron was detected in method blank MB 240-15306/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Several analytes were detected in method blank MB 240-15306/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Several analytes failed the recovery criteria low for the MS of sample ASB-175_4-6(20110908) (240-3692-1) in batch 240-15613.

Aluminum, Iron and Manganese failed the recovery criteria high.

For the MSD of sample ASB-175_4-6(20110908) (240-3692-1) in batch 240-15613, several analytes failed the recovery criteria low. Aluminum and Iron failed the recovery criteria high. Also, Barium, Lead and Zinc exceeded the rpd limit.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-175_4-6(20110908) (240-3692-1), ASB-176_8-10(20110908) (240-3692-2), ASB-177_4-6(20110908) (240-3692-3), ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were analyzed on 09/14/2011 and 09/16/2011.

Mercury failed the recovery criteria low for the MS of sample ASB-175_4-6(20110908) (240-3692-1) in batch 240-15700. Mercury failed the recovery criteria high for the MSD of sample ASB-175_4-6(20110908) (240-3692-1) in batch 240-15700. Mercury exceeded the rpd limit.

Refer to the QC report for details.

Sample ASB-175_4-6(20110908) (240-3692-1)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-175_4-6(20110908) (240-3692-1), ASB-176_8-10(20110908) (240-3692-2), ASB-177_4-6(20110908) (240-3692-3), ASB-178_0-2(20110908) (240-3692-4), ASB-179_0-2(20110908) (240-3692-5), ASB-180_0-2(20110908) (240-3692-6) and ASB-180_2-4(20110908) (240-3692-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/10/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3692-1	**ASB-175_4-6(20110908)**					
Carbon disulfide		200	J	1000	ug/Kg	8260B
Cyclohexane		430	J	2000	ug/Kg	8260B
Isopropylbenzene		3800		1000	ug/Kg	8260B
Methyl acetate		860	J	2000	ug/Kg	8260B
Methylcyclohexane		14000		2000	ug/Kg	8260B
Naphthalene		14000	B	1000	ug/Kg	8260B
n-Butylbenzene		19000		1000	ug/Kg	8260B
N-Propylbenzene		8100		1000	ug/Kg	8260B
p-Isopropyltoluene		2100		1000	ug/Kg	8260B
sec-Butylbenzene		9900		1000	ug/Kg	8260B
Toluene		130	J	1000	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		5800		1200	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		2600	*	1100	mg/Kg	WI-DRO
Aluminum		2800	B	23	mg/Kg	6010B
Antimony		18		1.2	mg/Kg	6010B
Barium		1100	B	23	mg/Kg	6010B
Calcium		16000	B	590	mg/Kg	6010B
Cadmium		0.77		0.23	mg/Kg	6010B
Cobalt		2.6	J	5.9	mg/Kg	6010B
Chromium		19		0.59	mg/Kg	6010B
Copper		73		2.9	mg/Kg	6010B
Iron		6600	B	12	mg/Kg	6010B
Potassium		490	J B	590	mg/Kg	6010B
Magnesium		4000		590	mg/Kg	6010B
Manganese		170	B	1.8	mg/Kg	6010B
Sodium		140	J	590	mg/Kg	6010B
Nickel		6.0		4.7	mg/Kg	6010B
Vanadium		8.5		5.9	mg/Kg	6010B
Zinc		390		2.3	mg/Kg	6010B
Arsenic		7.7		1.2	mg/Kg	6010B
Lead		1000		0.35	mg/Kg	6010B
Selenium		0.64		0.59	mg/Kg	6010B
Thallium		0.71	J	1.2	mg/Kg	6010B
Mercury		6.1		2.4	mg/Kg	7471A
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3692-2	**ASB-176_8-10(20110908)**					
1,2,4-Trimethylbenzene		440000		21000	ug/Kg	8260B
Cyclohexane		16000	J	42000	ug/Kg	8260B
Ethylbenzene		43000		21000	ug/Kg	8260B
Isopropylbenzene		28000		21000	ug/Kg	8260B
Methylcyclohexane		83000		42000	ug/Kg	8260B
Naphthalene		41000	B	21000	ug/Kg	8260B
n-Butylbenzene		13000	J	21000	ug/Kg	8260B
N-Propylbenzene		29000		21000	ug/Kg	8260B
p-Isopropyltoluene		16000	J	21000	ug/Kg	8260B
sec-Butylbenzene		24000		21000	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		4200		600	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		500	*	220	mg/Kg	WI-DRO
Aluminum		8100	B	23	mg/Kg	6010B
Antimony		0.62	J	1.1	mg/Kg	6010B
Barium		83	B	23	mg/Kg	6010B
Beryllium		0.23	J	0.57	mg/Kg	6010B
Calcium		9200	B	570	mg/Kg	6010B
Cadmium		0.15	J	0.23	mg/Kg	6010B
Cobalt		8.3		5.7	mg/Kg	6010B
Chromium		13		0.57	mg/Kg	6010B
Copper		10		2.9	mg/Kg	6010B
Iron		11000	B	11	mg/Kg	6010B
Potassium		510	J B	570	mg/Kg	6010B
Magnesium		3000		570	mg/Kg	6010B
Manganese		470	B	1.7	mg/Kg	6010B
Sodium		86	J	570	mg/Kg	6010B
Nickel		15		4.6	mg/Kg	6010B
Vanadium		21		5.7	mg/Kg	6010B
Zinc		29		2.3	mg/Kg	6010B
Arsenic		2.7		1.1	mg/Kg	6010B
Lead		6.4		0.34	mg/Kg	6010B
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3692-3	**ASB-177_4-6(20110908)**					
1,2,4-Trimethylbenzene		13	J	270	ug/Kg	8260B
Methyl acetate		47	J	540	ug/Kg	8260B
Naphthalene		32	J B	270	ug/Kg	8260B
WI Gasoline Range Organics (C6-C10)		3.0	J	11	mg/Kg	WI-GRO
WI Diesel Range Organics (C10-C28)		20	*	9.7	mg/Kg	WI-DRO
Aluminum		3500	B	20	mg/Kg	6010B
Barium		29	B	20	mg/Kg	6010B
Calcium		37000	B	490	mg/Kg	6010B
Cobalt		5.7		4.9	mg/Kg	6010B
Chromium		9.2		0.49	mg/Kg	6010B
Copper		9.5		2.4	mg/Kg	6010B
Iron		9700	B	9.8	mg/Kg	6010B
Potassium		910	B	490	mg/Kg	6010B
Magnesium		9300		490	mg/Kg	6010B
Manganese		300	B	1.5	mg/Kg	6010B
Sodium		100	J	490	mg/Kg	6010B
Nickel		12		3.9	mg/Kg	6010B
Vanadium		13		4.9	mg/Kg	6010B
Zinc		19		2.0	mg/Kg	6010B
Arsenic		2.2		0.98	mg/Kg	6010B
Lead		5.9		0.29	mg/Kg	6010B
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-3692-4	**ASB-178_0-2(20110908)**					
Methyl acetate		35	J	580	ug/Kg	8260B
Naphthalene		11	J B	290	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		47	J B *	390	ug/Kg	8270C
Barium		22	B	21	mg/Kg	6010B
Chromium		15		0.53	mg/Kg	6010B
Arsenic		3.3		1.1	mg/Kg	6010B
Lead		3.0		0.32	mg/Kg	6010B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3692-5	**ASB-179_0-2(20110908)**					
Methyl acetate		33	J	560	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		37	J B *	400	ug/Kg	8270C
Aluminum		8900	B	18	mg/Kg	6010B
Barium		26	B	18	mg/Kg	6010B
Beryllium		0.42	J	0.44	mg/Kg	6010B
Calcium		16000	B	440	mg/Kg	6010B
Cobalt		9.2		4.4	mg/Kg	6010B
Chromium		18		0.44	mg/Kg	6010B
Copper		32		2.2	mg/Kg	6010B
Iron		13000	B	8.9	mg/Kg	6010B
Potassium		3900	B	440	mg/Kg	6010B
Magnesium		5400		440	mg/Kg	6010B
Manganese		170	B	1.3	mg/Kg	6010B
Sodium		290	J	440	mg/Kg	6010B
Nickel		19		3.6	mg/Kg	6010B
Vanadium		10		4.4	mg/Kg	6010B
Zinc		18		1.8	mg/Kg	6010B
Arsenic		3.1		0.89	mg/Kg	6010B
Lead		3.0		0.27	mg/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-3692-6	**ASB-180_0-2(20110908)**					
Methyl acetate		56	J	600	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		31	J B *	400	ug/Kg	8270C
Aluminum		7700	B	23	mg/Kg	6010B
Barium		24	B	23	mg/Kg	6010B
Beryllium		0.46	J	0.58	mg/Kg	6010B
Calcium		16000	B	580	mg/Kg	6010B
Cobalt		11		5.8	mg/Kg	6010B
Chromium		15		0.58	mg/Kg	6010B
Copper		20		2.9	mg/Kg	6010B
Iron		14000	B	12	mg/Kg	6010B
Potassium		3800	B	580	mg/Kg	6010B
Magnesium		8200		580	mg/Kg	6010B
Manganese		210	B	1.7	mg/Kg	6010B
Sodium		330	J	580	mg/Kg	6010B
Nickel		22		4.6	mg/Kg	6010B
Vanadium		8.2		5.8	mg/Kg	6010B
Zinc		22		2.3	mg/Kg	6010B
Arsenic		3.1		1.2	mg/Kg	6010B
Lead		2.6		0.35	mg/Kg	6010B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-3692-7	**ASB-180_2-4(20110908)**					
Methyl acetate		30	J	540	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		26	J B *	390	ug/Kg	8270C
Aluminum		7300	B	21	mg/Kg	6010B
Barium		21	B	21	mg/Kg	6010B
Beryllium		0.52		0.52	mg/Kg	6010B
Calcium		9200	B	520	mg/Kg	6010B
Cobalt		12		5.2	mg/Kg	6010B
Chromium		14		0.52	mg/Kg	6010B
Copper		19		2.6	mg/Kg	6010B
Iron		14000	B	10	mg/Kg	6010B
Potassium		4200	B	520	mg/Kg	6010B
Magnesium		6100		520	mg/Kg	6010B
Manganese		150	B	1.6	mg/Kg	6010B
Sodium		250	J	520	mg/Kg	6010B
Nickel		25		4.2	mg/Kg	6010B
Vanadium		5.4		5.2	mg/Kg	6010B
Zinc		19		2.1	mg/Kg	6010B
Arsenic		3.0		1.0	mg/Kg	6010B
Lead		2.2		0.31	mg/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-3692-8FB	**MB-01120110908**					
Methyl acetate		39	J	500	ug/Kg	8260B
Toluene		26	J	250	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
SW846 8270C	Ulman, Mark	MU
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Musselman, Natalie J	NJM
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Martin, Aaron	AM

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-3692-1	ASB-175_4-6(20110908)	Solid	09/08/2011 0830	09/09/2011 0930
240-3692-1MS	ASB-175_4-6(20110908)	Solid	09/08/2011 0830	09/09/2011 0930
240-3692-1MSD	ASB-175_4-6(20110908)	Solid	09/08/2011 0830	09/09/2011 0930
240-3692-2	ASB-176_8-10(20110908)	Solid	09/08/2011 1015	09/09/2011 0930
240-3692-3	ASB-177_4-6(20110908)	Solid	09/08/2011 1115	09/09/2011 0930
240-3692-4	ASB-178_0-2(20110908)	Solid	09/08/2011 1220	09/09/2011 0930
240-3692-5	ASB-179_0-2(20110908)	Solid	09/08/2011 1405	09/09/2011 0930
240-3692-6	ASB-180_0-2(20110908)	Solid	09/08/2011 1440	09/09/2011 0930
240-3692-7	ASB-180_2-4(20110908)	Solid	09/08/2011 1450	09/09/2011 0930
240-3692-8FB	MB-01120110908	Solid	09/08/2011 0000	09/09/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-175_4-6(20110908)**

Lab Sample ID: 240-3692-1 Date Sampled: 09/08/2011 0830
Client Matrix: Solid % Moisture: 20.4 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140891.D
Dilution:	3.333			Initial Weight/Volume:	10.313 g
Analysis Date:	09/14/2011 1258			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		37	1000
1,1,1-Trichloroethane		ND		85	1000
1,1,2,2-Tetrachloroethane		ND		36	1000
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		160	1000
1,1,2-Trichloroethane		ND		49	1000
1,1-Dichloroethane		ND		69	1000
1,1-Dichloroethene		ND		73	1000
1,1-Dichloropropene		ND		41	1000
1,2,3-Trichlorobenzene		ND		41	1000
1,2,3-Trichloropropane		ND		85	1000
1,2,4-Trichlorobenzene		ND		30	1000
1,2,4-Trimethylbenzene		ND		20	1000
1,2-Dibromo-3-Chloropropane		ND		200	2000
1,2-Dibromoethane		ND		41	1000
1,2-Dichlorobenzene		ND		35	1000
1,2-Dichloroethane		ND		41	1000
1,2-Dichloropropane		ND		33	1000
1,3,5-Trimethylbenzene		ND		24	1000
1,3-Dichlorobenzene		ND		19	1000
1,3-Dichloropropane		ND		89	1000
1,4-Dichlorobenzene		ND		32	1000
2,2-Dichloropropane		ND		93	1000
2-Butanone (MEK)		ND		170	4100
2-Chlorotoluene		ND		37	1000
2-Hexanone		ND		81	4100
Allyl chloride		ND		220	2000
4-Chlorotoluene		ND		40	1000
4-Methyl-2-pentanone (MIBK)		ND		190	4100
Acetone		ND		690	4100
Benzene		ND		49	1000
Bromobenzene		ND		53	1000
Bromochloromethane		ND		53	1000
Bromodichloromethane		ND		40	1000
Bromoform		ND		77	1000
Bromomethane		ND		120	1000
Carbon disulfide		200	J	49	1000
Carbon tetrachloride		ND		26	1000
Chlorobenzene		ND		26	1000
Chloroethane		ND		250	1000
Chloroform		ND		36	1000
Chloromethane		ND		57	1000
cis-1,2-Dichloroethene		ND		28	1000
cis-1,3-Dichloropropene		ND		32	1000
Cyclohexane		430	J	160	2000
Chlorodibromomethane		ND		49	1000
Dibromomethane		ND		57	1000

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-175_4-6(20110908)**

Lab Sample ID: 240-3692-1 Date Sampled: 09/08/2011 0830
Client Matrix: Solid % Moisture: 20.4 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140891.D
Dilution:	3.333			Initial Weight/Volume:	10.313 g
Analysis Date:	09/14/2011 1258			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		65	1000
Dichlorofluoromethane		ND		100	2000
Ethyl ether		ND		61	2000
Ethylbenzene		ND		22	1000
Hexachlorobutadiene		ND		57	1000
Isopropylbenzene		3800		26	1000
Methyl acetate		860	J	100	2000
Methyl tert butyl ether		ND		29	4100
Methylcyclohexane		14000		49	2000
Methylene Chloride		ND		310	1000
m-Xylene & p-Xylene		ND		25	2000
Naphthalene		14000	B	27	1000
n-Butylbenzene		19000		32	1000
N-Propylbenzene		8100		57	1000
o-Xylene		ND		35	1000
p-Isopropyltoluene		2100		19	1000
sec-Butylbenzene		9900		19	1000
Styrene		ND		23	1000
tert-Butylbenzene		ND		26	1000
Tetrachloroethene		ND		49	1000
Tetrahydrofuran		ND		200	4100
Toluene		130	J	69	1000
trans-1,2-Dichloroethene		ND		37	1000
trans-1,3-Dichloropropene		ND		81	1000
Trichloroethene		ND		39	1000
Trichlorofluoromethane		ND		65	1000
Vinyl chloride		ND		73	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	137		26 - 141
Dibromofluoromethane (Surr)	64		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-176_8-10(20110908)**

Lab Sample ID: 240-3692-2 Date Sampled: 09/08/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15508	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140924.D
Dilution:	66.667			Initial Weight/Volume:	10.096 g
Analysis Date:	09/15/2011 1329			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		760	21000
1,1,1-Trichloroethane		ND		1700	21000
1,1,2,2-Tetrachloroethane		ND		740	21000
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3200	21000
1,1,2-Trichloroethane		ND		1000	21000
1,1-Dichloroethane		ND		1400	21000
1,1-Dichloroethene		ND		1500	21000
1,1-Dichloropropene		ND		830	21000
1,2,3-Trichlorobenzene		ND		830	21000
1,2,3-Trichloropropane		ND		1700	21000
1,2,4-Trichlorobenzene		ND		610	21000
1,2,4-Trimethylbenzene		440000		420	21000
1,2-Dibromo-3-Chloropropane		ND		4200	42000
1,2-Dibromoethane		ND		830	21000
1,2-Dichlorobenzene		ND		710	21000
1,2-Dichloroethane		ND		830	21000
1,2-Dichloropropane		ND		680	21000
1,3,5-Trimethylbenzene		ND		480	21000
1,3-Dichlorobenzene		ND		400	21000
1,3-Dichloropropane		ND		1800	21000
1,4-Dichlorobenzene		ND		660	21000
2,2-Dichloropropane		ND		1900	21000
2-Butanone (MEK)		ND		3600	83000
2-Chlorotoluene		ND		750	21000
2-Hexanone		ND		1700	83000
Allyl chloride		ND		4400	42000
4-Chlorotoluene		ND		820	21000
4-Methyl-2-pentanone (MIBK)		ND		4000	83000
Acetone		ND		14000	83000
Benzene		ND		1000	21000
Bromobenzene		ND		1100	21000
Bromochloromethane		ND		1100	21000
Bromodichloromethane		ND		820	21000
Bromoform		ND		1600	21000
Bromomethane		ND		2400	21000
Carbon disulfide		ND		1000	21000
Carbon tetrachloride		ND		530	21000
Chlorobenzene		ND		530	21000
Chloroethane		ND		5100	21000
Chloroform		ND		730	21000
Chloromethane		ND		1200	21000
cis-1,2-Dichloroethene		ND		570	21000
cis-1,3-Dichloropropene		ND		660	21000
Cyclohexane		16000	J	3300	42000
Chlorodibromomethane		ND		1000	21000
Dibromomethane		ND		1200	21000

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-176_8-10(20110908)**

Lab Sample ID: 240-3692-2 Date Sampled: 09/08/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15508	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140924.D
Dilution:	66.667			Initial Weight/Volume:	10.096 g
Analysis Date:	09/15/2011 1329			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		1300	21000
Dichlorofluoromethane		ND		2100	42000
Ethyl ether		ND		1200	42000
Ethylbenzene		43000		450	21000
Hexachlorobutadiene		ND		1200	21000
Isopropylbenzene		28000		540	21000
Methyl acetate		ND		2100	42000
Methyl tert butyl ether		ND		590	83000
Methylcyclohexane		83000		1000	42000
Methylene Chloride		ND		6400	21000
m-Xylene & p-Xylene		ND		520	42000
Naphthalene		41000	B	560	21000
n-Butylbenzene		13000	J	660	21000
N-Propylbenzene		29000		1200	21000
o-Xylene		ND		710	21000
p-Isopropyltoluene		16000	J	400	21000
sec-Butylbenzene		24000		390	21000
Styrene		ND		470	21000
tert-Butylbenzene		ND		540	21000
Tetrachloroethene		ND		1000	21000
Tetrahydrofuran		ND		4100	83000
Toluene		ND		1400	21000
trans-1,2-Dichloroethene		ND		760	21000
trans-1,3-Dichloropropene		ND		1700	21000
Trichloroethene		ND		810	21000
Trichlorofluoromethane		ND		1300	21000
Vinyl chloride		ND		1500	21000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	217	X	39 - 128
4-Bromofluorobenzene (Surr)	433	X	26 - 141
Dibromofluoromethane (Surr)	256	X	30 - 122
Toluene-d8 (Surr)	331	X	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-177_4-6(20110908)**

Lab Sample ID: 240-3692-3 Date Sampled: 09/08/2011 1115
Client Matrix: Solid % Moisture: 10.4 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140900.D
Dilution:	1.0			Initial Weight/Volume:	10.321 g
Analysis Date:	09/14/2011 1610			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.9	270
1,2,4-Trimethylbenzene		13	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.3	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.9	270
1,3,5-Trimethylbenzene		ND		6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.7	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.5	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-177_4-6(20110908)**

Lab Sample ID: 240-3692-3 Date Sampled: 09/08/2011 1115
Client Matrix: Solid % Moisture: 10.4 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140900.D
Dilution:	1.0			Initial Weight/Volume:	10.321 g
Analysis Date:	09/14/2011 1610			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		47	J	27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		ND		6.7	540
Naphthalene		32	J B	7.2	270
n-Butylbenzene		ND		8.7	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.2	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		39 - 128
4-Bromofluorobenzene (Surr)	76		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140901.D
Dilution:	1.0			Initial Weight/Volume:	10.244 g
Analysis Date:	09/14/2011 1632			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	290
1,1,1-Trichloroethane		ND		24	290
1,1,2,2-Tetrachloroethane		ND		10	290
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		45	290
1,1,2-Trichloroethane		ND		14	290
1,1-Dichloroethane		ND		20	290
1,1-Dichloroethene		ND		21	290
1,1-Dichloropropene		ND		12	290
1,2,3-Trichlorobenzene		ND		12	290
1,2,3-Trichloropropane		ND		24	290
1,2,4-Trichlorobenzene		ND		8.4	290
1,2,4-Trimethylbenzene		ND		5.8	290
1,2-Dibromo-3-Chloropropane		ND		58	580
1,2-Dibromoethane		ND		12	290
1,2-Dichlorobenzene		ND		9.9	290
1,2-Dichloroethane		ND		12	290
1,2-Dichloropropane		ND		9.4	290
1,3,5-Trimethylbenzene		ND		6.7	290
1,3-Dichlorobenzene		ND		5.5	290
1,3-Dichloropropane		ND		25	290
1,4-Dichlorobenzene		ND		9.2	290
2,2-Dichloropropane		ND		26	290
2-Butanone (MEK)		ND		50	1200
2-Chlorotoluene		ND		10	290
2-Hexanone		ND		23	1200
Allyl chloride		ND		61	580
4-Chlorotoluene		ND		11	290
4-Methyl-2-pentanone (MIBK)		ND		55	1200
Acetone		ND		200	1200
Benzene		ND		14	290
Bromobenzene		ND		15	290
Bromochloromethane		ND		15	290
Bromodichloromethane		ND		11	290
Bromoform		ND		22	290
Bromomethane		ND		33	290
Carbon disulfide		ND		14	290
Carbon tetrachloride		ND		7.4	290
Chlorobenzene		ND		7.4	290
Chloroethane		ND		70	290
Chloroform		ND		10	290
Chloromethane		ND		16	290
cis-1,2-Dichloroethene		ND		7.9	290
cis-1,3-Dichloropropene		ND		9.1	290
Cyclohexane		ND		46	580
Chlorodibromomethane		ND		14	290
Dibromomethane		ND		16	290

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140901.D
Dilution:	1.0			Initial Weight/Volume:	10.244 g
Analysis Date:	09/14/2011 1632			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	290
Dichlorofluoromethane		ND		29	580
Ethyl ether		ND		17	580
Ethylbenzene		ND		6.2	290
Hexachlorobutadiene		ND		16	290
Isopropylbenzene		ND		7.5	290
Methyl acetate		35	J	29	580
Methyl tert butyl ether		ND		8.2	1200
Methylcyclohexane		ND		14	580
Methylene Chloride		ND		89	290
m-Xylene & p-Xylene		ND		7.1	580
Naphthalene		11	J B	7.7	290
n-Butylbenzene		ND		9.2	290
N-Propylbenzene		ND		16	290
o-Xylene		ND		9.8	290
p-Isopropyltoluene		ND		5.5	290
sec-Butylbenzene		ND		5.4	290
Styrene		ND		6.4	290
tert-Butylbenzene		ND		7.5	290
Tetrachloroethene		ND		14	290
Tetrahydrofuran		ND		56	1200
Toluene		ND		20	290
trans-1,2-Dichloroethene		ND		11	290
trans-1,3-Dichloropropene		ND		23	290
Trichloroethene		ND		11	290
Trichlorofluoromethane		ND		18	290
Vinyl chloride		ND		21	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	65		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140902.D
Dilution:	1.0			Initial Weight/Volume:	10.702 g
Analysis Date:	09/14/2011 1653			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.2	280
1,2,4-Trimethylbenzene		ND		5.6	280
1,2-Dibromo-3-Chloropropane		ND		56	560
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.6	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.2	280
1,3,5-Trimethylbenzene		ND		6.5	280
1,3-Dichlorobenzene		ND		5.4	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.0	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		48	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	560
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		54	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.2	280
Chlorobenzene		ND		7.2	280
Chloroethane		ND		68	280
Chloroform		ND		9.9	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.7	280
cis-1,3-Dichloropropene		ND		8.9	280
Cyclohexane		ND		45	560
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140902.D
Dilution:	1.0			Initial Weight/Volume:	10.702 g
Analysis Date:	09/14/2011 1653			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	560
Ethyl ether		ND		17	560
Ethylbenzene		ND		6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.3	280
Methyl acetate		33	J	28	560
Methyl tert butyl ether		ND		8.0	1100
Methylcyclohexane		ND		13	560
Methylene Chloride		ND		86	280
m-Xylene & p-Xylene		ND		6.9	560
Naphthalene		ND		7.5	280
n-Butylbenzene		ND		9.0	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.5	280
p-Isopropyltoluene		ND		5.4	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.3	280
tert-Butylbenzene		ND		7.3	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		55	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70		39 - 128
4-Bromofluorobenzene (Surr)	72		26 - 141
Dibromofluoromethane (Surr)	61		30 - 122
Toluene-d8 (Surr)	73		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140903.D
Dilution:	1.0			Initial Weight/Volume:	10.042 g
Analysis Date:	09/14/2011 1714			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		47	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		22	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.8	300
1,2,4-Trimethylbenzene		ND		6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.9	300
1,3,5-Trimethylbenzene		ND		7.0	300
1,3-Dichlorobenzene		ND		5.8	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.6	300
2,2-Dichloropropane		ND		28	300
2-Butanone (MEK)		ND		52	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		64	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		58	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		16	300
Bromochloromethane		ND		16	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.7	300
Chlorobenzene		ND		7.7	300
Chloroethane		ND		73	300
Chloroform		ND		11	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.3	300
cis-1,3-Dichloropropene		ND		9.5	300
Cyclohexane		ND		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140903.D
Dilution:	1.0			Initial Weight/Volume:	10.042 g
Analysis Date:	09/14/2011 1714			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		ND		6.5	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.8	300
Methyl acetate		56	J	30	600
Methyl tert butyl ether		ND		8.6	1200
Methylcyclohexane		ND		14	600
Methylene Chloride		ND		93	300
m-Xylene & p-Xylene		ND		7.5	600
Naphthalene		ND		8.1	300
n-Butylbenzene		ND		9.6	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.8	300
sec-Butylbenzene		ND		5.7	300
Styrene		ND		6.7	300
tert-Butylbenzene		ND		7.8	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		59	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		22	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		39 - 128
4-Bromofluorobenzene (Surr)	74		26 - 141
Dibromofluoromethane (Surr)	67		30 - 122
Toluene-d8 (Surr)	79		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140904.D
Dilution:	1.0			Initial Weight/Volume:	11.077 g
Analysis Date:	09/14/2011 1736			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.8	270
1,2,4-Trimethylbenzene		ND		5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.2	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.8	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.6	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.7	270
2-Hexanone		ND		21	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.5	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.4	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-15029	Lab File ID:	140904.D
Dilution:	1.0			Initial Weight/Volume:	11.077 g
Analysis Date:	09/14/2011 1736			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		30	J	27	540
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		ND		6.7	540
Naphthalene		ND		7.2	270
n-Butylbenzene		ND		8.6	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.1	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.0	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.9	270
trans-1,3-Dichloropropene		ND		21	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		39 - 128
4-Bromofluorobenzene (Surr)	73		26 - 141
Dibromofluoromethane (Surr)	63		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **MB-01120110908**

Lab Sample ID: 240-3692-8FB Date Sampled: 09/08/2011 0000
Client Matrix: Solid Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140842.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1904			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **MB-01120110908**

Lab Sample ID: 240-3692-8FB Date Sampled: 09/08/2011 0000
Client Matrix: Solid Date Received: 09/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-14890	Lab File ID:	140842.D
Dilution:	1.0			Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1904			Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		39	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		26	J	17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	138	X	39 - 128
4-Bromofluorobenzene (Surr)	114		26 - 141
Dibromofluoromethane (Surr)	112		30 - 122
Toluene-d8 (Surr)	122		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692C4A.D
Dilution:	1.0			Initial Weight/Volume:	29.90 g
Analysis Date:	09/27/2011 1636			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		32	390
2,2'-oxybis[1-chloropropane]		ND		11	390
2,4,5-Trichlorophenol		ND		30	390
2,4,6-Trichlorophenol		ND		95	390
2,4-Dichlorophenol		ND		24	390
2,4-Dimethylphenol		ND		24	390
2,4-Dinitrophenol		ND		95	1900
2,4-Dinitrotoluene		ND		32	390
2,6-Dinitrotoluene		ND		25	390
2-Chloronaphthalene		ND		3.9	390
2-Chlorophenol		ND		32	390
2-Methylnaphthalene		ND		3.9	390
2-Methylphenol		ND		95	390
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		32	390
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		95	1900
4-Bromophenyl phenyl ether		ND		15	390
4-Chloro-3-methylphenol		ND		25	390
4-Chloroaniline		ND		20	390
4-Chlorophenyl phenyl ether		ND		15	390
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		95	1900
Acenaphthene		ND		3.9	390
Acenaphthylene		ND		3.9	390
Acetophenone		ND		11	390
Anthracene		ND		3.9	390
Atrazine		ND		11	390
Benzaldehyde		ND		14	390
Benzo[a]anthracene		ND		3.9	390
Benzo[a]pyrene		ND		3.9	390
Benzo[b]fluoranthene		ND		3.9	390
Benzo[g,h,i]perylene		ND		3.9	390
Benzo[k]fluoranthene		ND		3.9	390
Bis(2-chloroethoxy)methane		ND		26	390
Bis(2-chloroethyl)ether		ND		2.4	390
Bis(2-ethylhexyl) phthalate		47	J B *	22	390
Butyl benzyl phthalate		ND		12	390
Caprolactam		ND		44	390
Carbazole		ND		32	390
Chrysene		ND		1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Dibenzofuran		ND		3.9	390
Diethyl phthalate		ND		19	390
Dimethyl phthalate		ND		20	390

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692C4A.D
Dilution:	1.0			Initial Weight/Volume:	29.90 g
Analysis Date:	09/27/2011 1636			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	390
Di-n-octyl phthalate		ND		32	390
Fluoranthene		ND		3.9	390
Fluorene		ND		3.9	390
Hexachlorobenzene		ND		2.5	390
Hexachlorobutadiene		ND		32	390
Hexachlorocyclopentadiene		ND		32	1900
Hexachloroethane		ND		11	390
Indeno[1,2,3-cd]pyrene		ND		3.9	390
Isophorone		ND		15	390
Naphthalene		ND		3.9	390
Nitrobenzene		ND		2.6	390
N-Nitrosodi-n-propylamine		ND		32	390
N-Nitrosodiphenylamine		ND		25	390
Pentachlorophenol		ND		95	390
Phenol		ND		32	390
Phenanthrene		ND		3.9	390
Pyrene		ND		3.9	390
3 & 4 Methylphenol		ND		24	470

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	53		34 - 110
2-Fluorophenol (Surr)	55		26 - 110
2,4,6-Tribromophenol (Surr)	42		10 - 118
Nitrobenzene-d5 (Surr)	48		24 - 112
Phenol-d5 (Surr)	49		28 - 110
Terphenyl-d14 (Surr)	80		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007034.D
Dilution:	5.0			Initial Weight/Volume:	30.03 g
Analysis Date:	10/07/2011 2155	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	160	1900
2,2'-oxybis[1-chloropropane]		ND	H	56	1900
2,4,5-Trichlorophenol		ND	H	150	1900
2,4,6-Trichlorophenol		ND	H	470	1900
2,4-Dichlorophenol		ND	H	120	1900
2,4-Dimethylphenol		ND	H	120	1900
2,4-Dinitrophenol		ND	H	470	9400
2,4-Dinitrotoluene		ND	H	160	1900
2,6-Dinitrotoluene		ND	H	120	1900
2-Chloronaphthalene		ND	H	19	1900
2-Chlorophenol		ND	H	160	1900
2-Methylnaphthalene		ND	H	19	1900
2-Methylphenol		ND	H	470	1900
2-Nitroaniline		ND	H	54	9400
2-Nitrophenol		ND	H	160	1900
3,3'-Dichlorobenzidine		ND	H	110	9400
3-Nitroaniline		ND	H	94	9400
4,6-Dinitro-2-methylphenol		ND	H	470	9400
4-Bromophenyl phenyl ether		ND	H	77	1900
4-Chloro-3-methylphenol		ND	H	120	1900
4-Chloroaniline		ND	H	100	1900
4-Chlorophenyl phenyl ether		ND	H	77	1900
4-Nitroaniline		ND	H	150	9400
4-Nitrophenol		ND	H	470	9400
Acenaphthene		ND	H	19	1900
Acenaphthylene		ND	H	19	1900
Acetophenone		ND	H	54	1900
Anthracene		44	J H	19	1900
Atrazine		ND	H	54	1900
Benzaldehyde		ND	H	71	1900
Benzo[a]anthracene		ND	H	19	1900
Benzo[a]pyrene		43	J H	19	1900
Benzo[b]fluoranthene		83	J H	19	1900
Benzo[g,h,i]perylene		74	J H	19	1900
Benzo[k]fluoranthene		22	J H	19	1900
Bis(2-chloroethoxy)methane		ND	H	130	1900
Bis(2-chloroethyl)ether		ND	H	12	1900
Bis(2-ethylhexyl) phthalate		120	J H	110	1900
Butyl benzyl phthalate		ND	H	59	1900
Caprolactam		ND	H	220	1900
Carbazole		ND	H	160	1900
Chrysene		ND	H	6.5	1900
Dibenz(a,h)anthracene		ND	H	19	1900
Dibenzofuran		ND	H	19	1900
Diethyl phthalate		ND	H	94	1900
Dimethyl phthalate		ND	H	100	1900

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007034.D
Dilution:	5.0			Initial Weight/Volume:	30.03 g
Analysis Date:	10/07/2011 2155	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	88	1900
Di-n-octyl phthalate		ND	H	160	1900
Fluoranthene		87	J H	19	1900
Fluorene		ND	H	19	1900
Hexachlorobenzene		ND	H	12	1900
Hexachlorobutadiene		ND	H	160	1900
Hexachlorocyclopentadiene		ND	H	160	9400
Hexachloroethane		ND	H	53	1900
Indeno[1,2,3-cd]pyrene		ND	H	19	1900
Isophorone		ND	H	77	1900
Naphthalene		ND	H	19	1900
Nitrobenzene		ND	H	13	1900
N-Nitrosodi-n-propylamine		ND	H	160	1900
N-Nitrosodiphenylamine		ND	H	120	1900
Pentachlorophenol		ND	H	470	1900
Phenol		ND	H	160	1900
Phenanthrene		63	J H	19	1900
Pyrene		74	J H	19	1900
3 & 4 Methylphenol		ND	H	120	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		34 - 110
2-Fluorophenol (Surr)	56		26 - 110
2,4,6-Tribromophenol (Surr)	46		10 - 118
Nitrobenzene-d5 (Surr)	31		24 - 112
Phenol-d5 (Surr)	30		28 - 110
Terphenyl-d14 (Surr)	80		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692E5C.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	09/27/2011 1617			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		32	400
2,2'-oxybis[1-chloropropane]		ND		11	400
2,4,5-Trichlorophenol		ND		30	400
2,4,6-Trichlorophenol		ND		96	400
2,4-Dichlorophenol		ND		24	400
2,4-Dimethylphenol		ND		24	400
2,4-Dinitrophenol		ND		96	1900
2,4-Dinitrotoluene		ND		32	400
2,6-Dinitrotoluene		ND		25	400
2-Chloronaphthalene		ND		4.0	400
2-Chlorophenol		ND		32	400
2-Methylnaphthalene		ND		4.0	400
2-Methylphenol		ND		96	400
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		32	400
3,3'-Dichlorobenzidine		ND		22	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		96	1900
4-Bromophenyl phenyl ether		ND		16	400
4-Chloro-3-methylphenol		ND		25	400
4-Chloroaniline		ND		20	400
4-Chlorophenyl phenyl ether		ND		16	400
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		96	1900
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Acetophenone		ND		11	400
Anthracene		ND		4.0	400
Atrazine		ND		11	400
Benzaldehyde		ND		14	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Bis(2-chloroethoxy)methane		ND		26	400
Bis(2-chloroethyl)ether		ND		2.4	400
Bis(2-ethylhexyl) phthalate		37	J B *	23	400
Butyl benzyl phthalate		ND		12	400
Caprolactam		ND		44	400
Carbazole		ND		32	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Dibenzofuran		ND		4.0	400
Diethyl phthalate		ND		19	400
Dimethyl phthalate		ND		20	400

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692E5C.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	09/27/2011 1617			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	400
Di-n-octyl phthalate		ND		32	400
Fluoranthene		ND		4.0	400
Fluorene		ND		4.0	400
Hexachlorobenzene		ND		2.5	400
Hexachlorobutadiene		ND		32	400
Hexachlorocyclopentadiene		ND		32	1900
Hexachloroethane		ND		11	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Isophorone		ND		16	400
Naphthalene		ND		4.0	400
Nitrobenzene		ND		2.6	400
N-Nitrosodi-n-propylamine		ND		32	400
N-Nitrosodiphenylamine		ND		25	400
Pentachlorophenol		ND		96	400
Phenol		ND		32	400
Phenanthrene		ND		4.0	400
Pyrene		ND		4.0	400
3 & 4 Methylphenol		ND		24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
2,4,6-Tribromophenol (Surr)	47		10 - 118
Nitrobenzene-d5 (Surr)	57		24 - 112
Phenol-d5 (Surr)	54		28 - 110
Terphenyl-d14 (Surr)	77		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007016.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	10/07/2011 1624	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	32	400
2,2'-oxybis[1-chloropropane]		ND	H	11	400
2,4,5-Trichlorophenol		ND	H	30	400
2,4,6-Trichlorophenol		ND	H	96	400
2,4-Dichlorophenol		ND	H	24	400
2,4-Dimethylphenol		ND	H	24	400
2,4-Dinitrophenol		ND	H	96	1900
2,4-Dinitrotoluene		ND	H	32	400
2,6-Dinitrotoluene		ND	H	25	400
2-Chloronaphthalene		ND	H	4.0	400
2-Chlorophenol		ND	H	32	400
2-Methylnaphthalene		ND	H	4.0	400
2-Methylphenol		ND	H	96	400
2-Nitroaniline		ND	H	11	1900
2-Nitrophenol		ND	H	32	400
3,3'-Dichlorobenzidine		ND	H	22	1900
3-Nitroaniline		ND	H	19	1900
4,6-Dinitro-2-methylphenol		ND	H	96	1900
4-Bromophenyl phenyl ether		ND	H	16	400
4-Chloro-3-methylphenol		ND	H	25	400
4-Chloroaniline		ND	H	20	400
4-Chlorophenyl phenyl ether		ND	H	16	400
4-Nitroaniline		ND	H	31	1900
4-Nitrophenol		ND	H	96	1900
Acenaphthene		ND	H	4.0	400
Acenaphthylene		ND	H	4.0	400
Acetophenone		ND	H	11	400
Anthracene		ND	H	4.0	400
Atrazine		ND	H	11	400
Benzaldehyde		ND	H	14	400
Benzo[a]anthracene		ND	H	4.0	400
Benzo[a]pyrene		ND	H	4.0	400
Benzo[b]fluoranthene		ND	H	4.0	400
Benzo[g,h,i]perylene		ND	H	4.0	400
Benzo[k]fluoranthene		ND	H	4.0	400
Bis(2-chloroethoxy)methane		ND	H	26	400
Bis(2-chloroethyl)ether		ND	H	2.4	400
Bis(2-ethylhexyl) phthalate		37	J H	23	400
Butyl benzyl phthalate		ND	H	12	400
Caprolactam		ND	H	44	400
Carbazole		ND	H	32	400
Chrysene		ND	H	1.3	400
Dibenz(a,h)anthracene		ND	H	4.0	400
Dibenzofuran		ND	H	4.0	400
Diethyl phthalate		ND	H	19	400
Dimethyl phthalate		ND	H	20	400

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007016.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	10/07/2011 1624	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	18	400
Di-n-octyl phthalate		ND	H	32	400
Fluoranthene		ND	H	4.0	400
Fluorene		ND	H	4.0	400
Hexachlorobenzene		ND	H	2.5	400
Hexachlorobutadiene		ND	H	32	400
Hexachlorocyclopentadiene		ND	H	32	1900
Hexachloroethane		ND	H	11	400
Indeno[1,2,3-cd]pyrene		ND	H	4.0	400
Isophorone		ND	H	16	400
Naphthalene		ND	H	4.0	400
Nitrobenzene		ND	H	2.6	400
N-Nitrosodi-n-propylamine		ND	H	32	400
N-Nitrosodiphenylamine		ND	H	25	400
Pentachlorophenol		ND	H	96	400
Phenol		ND	H	32	400
Phenanthrene		ND	H	4.0	400
Pyrene		ND	H	4.0	400
3 & 4 Methylphenol		ND	H	24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
2,4,6-Tribromophenol (Surr)	60		10 - 118
Nitrobenzene-d5 (Surr)	52		24 - 112
Phenol-d5 (Surr)	54		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692E6A.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/27/2011 1501			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		33	400
2,2'-oxybis[1-chloropropane]		ND		11	400
2,4,5-Trichlorophenol		ND		30	400
2,4,6-Trichlorophenol		ND		97	400
2,4-Dichlorophenol		ND		24	400
2,4-Dimethylphenol		ND		24	400
2,4-Dinitrophenol		ND		97	1900
2,4-Dinitrotoluene		ND		33	400
2,6-Dinitrotoluene		ND		25	400
2-Chloronaphthalene		ND		4.0	400
2-Chlorophenol		ND		33	400
2-Methylnaphthalene		ND		4.0	400
2-Methylphenol		ND		97	400
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		33	400
3,3'-Dichlorobenzidine		ND		22	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		97	1900
4-Bromophenyl phenyl ether		ND		16	400
4-Chloro-3-methylphenol		ND		25	400
4-Chloroaniline		ND		21	400
4-Chlorophenyl phenyl ether		ND		16	400
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		97	1900
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Acetophenone		ND		11	400
Anthracene		ND		4.0	400
Atrazine		ND		11	400
Benzaldehyde		ND		15	400
Benzo[a]anthracene		ND		4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Bis(2-chloroethoxy)methane		ND		27	400
Bis(2-chloroethyl)ether		ND		2.4	400
Bis(2-ethylhexyl) phthalate		31	J B *	23	400
Butyl benzyl phthalate		ND		12	400
Caprolactam		ND		45	400
Carbazole		ND		33	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Dibenzofuran		ND		4.0	400
Diethyl phthalate		ND		19	400
Dimethyl phthalate		ND		21	400

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692E6A.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	09/27/2011 1501			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	400
Di-n-octyl phthalate		ND		33	400
Fluoranthene		ND		4.0	400
Fluorene		ND		4.0	400
Hexachlorobenzene		ND		2.5	400
Hexachlorobutadiene		ND		33	400
Hexachlorocyclopentadiene		ND		33	1900
Hexachloroethane		ND		11	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Isophorone		ND		16	400
Naphthalene		ND		4.0	400
Nitrobenzene		ND		2.7	400
N-Nitrosodi-n-propylamine		ND		33	400
N-Nitrosodiphenylamine		ND		25	400
Pentachlorophenol		ND		97	400
Phenol		ND		33	400
Phenanthrene		ND		4.0	400
Pyrene		ND		4.0	400
3 & 4 Methylphenol		ND		24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		34 - 110
2-Fluorophenol (Surr)	79		26 - 110
2,4,6-Tribromophenol (Surr)	78		10 - 118
Nitrobenzene-d5 (Surr)	67		24 - 112
Phenol-d5 (Surr)	69		28 - 110
Terphenyl-d14 (Surr)	89		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007017.D
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Analysis Date:	10/07/2011 1642	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	33	400
2,2'-oxybis[1-chloropropane]		ND	H	11	400
2,4,5-Trichlorophenol		ND	H	30	400
2,4,6-Trichlorophenol		ND	H	97	400
2,4-Dichlorophenol		ND	H	24	400
2,4-Dimethylphenol		ND	H	24	400
2,4-Dinitrophenol		ND	H	97	1900
2,4-Dinitrotoluene		ND	H	33	400
2,6-Dinitrotoluene		ND	H	25	400
2-Chloronaphthalene		ND	H	4.0	400
2-Chlorophenol		ND	H	33	400
2-Methylnaphthalene		ND	H	4.0	400
2-Methylphenol		ND	H	97	400
2-Nitroaniline		ND	H	11	1900
2-Nitrophenol		ND	H	33	400
3,3'-Dichlorobenzidine		ND	H	22	1900
3-Nitroaniline		ND	H	19	1900
4,6-Dinitro-2-methylphenol		ND	H	97	1900
4-Bromophenyl phenyl ether		ND	H	16	400
4-Chloro-3-methylphenol		ND	H	25	400
4-Chloroaniline		ND	H	21	400
4-Chlorophenyl phenyl ether		ND	H	16	400
4-Nitroaniline		ND	H	31	1900
4-Nitrophenol		ND	H	97	1900
Acenaphthene		9.0	J H	4.0	400
Acenaphthylene		ND	H	4.0	400
Acetophenone		ND	H	11	400
Anthracene		ND	H	4.0	400
Atrazine		ND	H	11	400
Benzaldehyde		ND	H	15	400
Benzo[a]anthracene		ND	H	4.0	400
Benzo[a]pyrene		ND	H	4.0	400
Benzo[b]fluoranthene		ND	H	4.0	400
Benzo[g,h,i]perylene		ND	H	4.0	400
Benzo[k]fluoranthene		ND	H	4.0	400
Bis(2-chloroethoxy)methane		ND	H	27	400
Bis(2-chloroethyl)ether		ND	H	2.4	400
Bis(2-ethylhexyl) phthalate		58	J H	23	400
Butyl benzyl phthalate		ND	H	12	400
Caprolactam		ND	H	45	400
Carbazole		ND	H	33	400
Chrysene		ND	H	1.3	400
Dibenz(a,h)anthracene		ND	H	4.0	400
Dibenzofuran		7.8	J H	4.0	400
Diethyl phthalate		ND	H	19	400
Dimethyl phthalate		ND	H	21	400

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007017.D
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Analysis Date:	10/07/2011 1642	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	18	400
Di-n-octyl phthalate		ND	H	33	400
Fluoranthene		ND	H	4.0	400
Fluorene		ND	H	4.0	400
Hexachlorobenzene		ND	H	2.5	400
Hexachlorobutadiene		ND	H	33	400
Hexachlorocyclopentadiene		ND	H	33	1900
Hexachloroethane		ND	H	11	400
Indeno[1,2,3-cd]pyrene		ND	H	4.0	400
Isophorone		ND	H	16	400
Naphthalene		ND	H	4.0	400
Nitrobenzene		ND	H	2.7	400
N-Nitrosodi-n-propylamine		ND	H	33	400
N-Nitrosodiphenylamine		ND	H	25	400
Pentachlorophenol		ND	H	97	400
Phenol		ND	H	33	400
Phenanthrene		ND	H	4.0	400
Pyrene		ND	H	4.0	400
3 & 4 Methylphenol		ND	H	24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		34 - 110
2-Fluorophenol (Surr)	67		26 - 110
2,4,6-Tribromophenol (Surr)	54		10 - 118
Nitrobenzene-d5 (Surr)	55		24 - 112
Phenol-d5 (Surr)	61		28 - 110
Terphenyl-d14 (Surr)	77		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692D7A.D
Dilution:	1.0			Initial Weight/Volume:	29.98 g
Analysis Date:	09/27/2011 1558			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		32	390
2,2'-oxybis[1-chloropropane]		ND		11	390
2,4,5-Trichlorophenol		ND		30	390
2,4,6-Trichlorophenol		ND		95	390
2,4-Dichlorophenol		ND		24	390
2,4-Dimethylphenol		ND		24	390
2,4-Dinitrophenol		ND		95	1900
2,4-Dinitrotoluene		ND		32	390
2,6-Dinitrotoluene		ND		25	390
2-Chloronaphthalene		ND		3.9	390
2-Chlorophenol		ND		32	390
2-Methylnaphthalene		ND		3.9	390
2-Methylphenol		ND		95	390
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		32	390
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		95	1900
4-Bromophenyl phenyl ether		ND		15	390
4-Chloro-3-methylphenol		ND		25	390
4-Chloroaniline		ND		20	390
4-Chlorophenyl phenyl ether		ND		15	390
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		95	1900
Acenaphthene		ND		3.9	390
Acenaphthylene		ND		3.9	390
Acetophenone		ND		11	390
Anthracene		ND		3.9	390
Atrazine		ND		11	390
Benzaldehyde		ND		14	390
Benzo[a]anthracene		ND		3.9	390
Benzo[a]pyrene		ND		3.9	390
Benzo[b]fluoranthene		ND		3.9	390
Benzo[g,h,i]perylene		ND		3.9	390
Benzo[k]fluoranthene		ND		3.9	390
Bis(2-chloroethoxy)methane		ND		26	390
Bis(2-chloroethyl)ether		ND		2.4	390
Bis(2-ethylhexyl) phthalate		26	J B *	23	390
Butyl benzyl phthalate		ND		12	390
Caprolactam		ND		44	390
Carbazole		ND		32	390
Chrysene		ND		1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Dibenzofuran		ND		3.9	390
Diethyl phthalate		ND		19	390
Dimethyl phthalate		ND		20	390

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-16114	Lab File ID:	3692D7A.D
Dilution:	1.0			Initial Weight/Volume:	29.98 g
Analysis Date:	09/27/2011 1558			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	390
Di-n-octyl phthalate		ND		32	390
Fluoranthene		ND		3.9	390
Fluorene		ND		3.9	390
Hexachlorobenzene		ND		2.5	390
Hexachlorobutadiene		ND		32	390
Hexachlorocyclopentadiene		ND		32	1900
Hexachloroethane		ND		11	390
Indeno[1,2,3-cd]pyrene		ND		3.9	390
Isophorone		ND		15	390
Naphthalene		ND		3.9	390
Nitrobenzene		ND		2.6	390
N-Nitrosodi-n-propylamine		ND		32	390
N-Nitrosodiphenylamine		ND		25	390
Pentachlorophenol		ND		95	390
Phenol		ND		32	390
Phenanthrene		ND		3.9	390
Pyrene		ND		3.9	390
3 & 4 Methylphenol		ND		24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		34 - 110
2-Fluorophenol (Surr)	67		26 - 110
2,4,6-Tribromophenol (Surr)	58		10 - 118
Nitrobenzene-d5 (Surr)	57		24 - 112
Phenol-d5 (Surr)	58		28 - 110
Terphenyl-d14 (Surr)	87		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007018.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	10/07/2011 1701	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND	H	32	390
2,2'-oxybis[1-chloropropane]		ND	H	11	390
2,4,5-Trichlorophenol		ND	H	30	390
2,4,6-Trichlorophenol		ND	H	95	390
2,4-Dichlorophenol		ND	H	24	390
2,4-Dimethylphenol		ND	H	24	390
2,4-Dinitrophenol		ND	H	95	1900
2,4-Dinitrotoluene		ND	H	32	390
2,6-Dinitrotoluene		ND	H	25	390
2-Chloronaphthalene		ND	H	3.9	390
2-Chlorophenol		ND	H	32	390
2-Methylnaphthalene		ND	H	3.9	390
2-Methylphenol		ND	H	95	390
2-Nitroaniline		ND	H	11	1900
2-Nitrophenol		ND	H	32	390
3,3'-Dichlorobenzidine		ND	H	21	1900
3-Nitroaniline		ND	H	19	1900
4,6-Dinitro-2-methylphenol		ND	H	95	1900
4-Bromophenyl phenyl ether		ND	H	15	390
4-Chloro-3-methylphenol		ND	H	25	390
4-Chloroaniline		ND	H	20	390
4-Chlorophenyl phenyl ether		ND	H	15	390
4-Nitroaniline		ND	H	31	1900
4-Nitrophenol		ND	H	95	1900
Acenaphthene		ND	H	3.9	390
Acenaphthylene		ND	H	3.9	390
Acetophenone		ND	H	11	390
Anthracene		ND	H	3.9	390
Atrazine		ND	H	11	390
Benzaldehyde		ND	H	14	390
Benzo[a]anthracene		ND	H	3.9	390
Benzo[a]pyrene		ND	H	3.9	390
Benzo[b]fluoranthene		ND	H	3.9	390
Benzo[g,h,i]perylene		ND	H	3.9	390
Benzo[k]fluoranthene		ND	H	3.9	390
Bis(2-chloroethoxy)methane		ND	H	26	390
Bis(2-chloroethyl)ether		ND	H	2.4	390
Bis(2-ethylhexyl) phthalate		42	J H	23	390
Butyl benzyl phthalate		ND	H	12	390
Caprolactam		ND	H	44	390
Carbazole		ND	H	32	390
Chrysene		ND	H	1.3	390
Dibenz(a,h)anthracene		ND	H	3.9	390
Dibenzofuran		ND	H	3.9	390
Diethyl phthalate		ND	H	19	390
Dimethyl phthalate		ND	H	20	390

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-18046	Lab File ID:	1007018.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	10/07/2011 1701	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND	H	18	390
Di-n-octyl phthalate		ND	H	32	390
Fluoranthene		ND	H	3.9	390
Fluorene		ND	H	3.9	390
Hexachlorobenzene		ND	H	2.5	390
Hexachlorobutadiene		ND	H	32	390
Hexachlorocyclopentadiene		ND	H	32	1900
Hexachloroethane		ND	H	11	390
Indeno[1,2,3-cd]pyrene		ND	H	3.9	390
Isophorone		ND	H	15	390
Naphthalene		ND	H	3.9	390
Nitrobenzene		ND	H	2.6	390
N-Nitrosodi-n-propylamine		ND	H	32	390
N-Nitrosodiphenylamine		ND	H	25	390
Pentachlorophenol		ND	H	95	390
Phenol		ND	H	32	390
Phenanthrene		ND	H	3.9	390
Pyrene		ND	H	3.9	390
3 & 4 Methylphenol		ND	H	24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		34 - 110
2-Fluorophenol (Surr)	67		26 - 110
2,4,6-Tribromophenol (Surr)	50		10 - 118
Nitrobenzene-d5 (Surr)	53		24 - 112
Phenol-d5 (Surr)	59		28 - 110
Terphenyl-d14 (Surr)	75		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-175_4-6(20110908)**

Lab Sample ID: 240-3692-1 Date Sampled: 09/08/2011 0830
Client Matrix: Solid % Moisture: 20.4 Date Received: 09/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-17016	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092810.D
Dilution:	100			Initial Weight/Volume:	10.06 g
Analysis Date:	09/28/2011 1514			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		5800		40	1200

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-176_8-10(20110908)**

Lab Sample ID: 240-3692-2 Date Sampled: 09/08/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 09/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092611.D
Dilution:	50			Initial Weight/Volume:	10.491 g
Analysis Date:	09/26/2011 1638			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		4200		19	600

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-177_4-6(20110908)**

Lab Sample ID: 240-3692-3 Date Sampled: 09/08/2011 1115
Client Matrix: Solid % Moisture: 10.4 Date Received: 09/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092643.D
Dilution:	1.0			Initial Weight/Volume:	10.318 g
Analysis Date:	09/27/2011 1318			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		3.0	J	0.35	11

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092613.D
Dilution:	1.0			Initial Weight/Volume:	11.997 g
Analysis Date:	09/26/2011 1757			Final Weight/Volume:	12.0 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.38	12

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092614.D
Dilution:	1.0			Initial Weight/Volume:	10.798 g
Analysis Date:	09/26/2011 1839			Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.36	11

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-16677	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-16655	Lab File ID:	YF092615.D
Dilution:	1.0			Initial Weight/Volume:	11.268 g
Analysis Date:	09/26/2011 1919			Final Weight/Volume:	11.3 mL
Prep Date:	09/26/2011 0822			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.38	12

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-16128	Initial Weight/Volume:	30.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/23/2011 1003			Injection Volume:	1 mL
Prep Date:	09/21/2011 0938			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		16	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		29 - 151
DCB Decachlorobiphenyl	67		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-16128	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/23/2011 1019			Injection Volume:	1 mL
Prep Date:	09/21/2011 0938			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		20	40
Aroclor-1254		ND		20	40
Aroclor-1260		ND		20	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	70		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-16128	Initial Weight/Volume:	29.90 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/23/2011 1036			Injection Volume:	1 mL
Prep Date:	09/21/2011 0938			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		21	40
Aroclor-1254		ND		21	40
Aroclor-1260		ND		21	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-16128	Initial Weight/Volume:	29.97 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/23/2011 1052			Injection Volume:	1 mL
Prep Date:	09/21/2011 0938			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		17	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-175_4-6(20110908)**

Lab Sample ID: 240-3692-1 Date Sampled: 09/08/2011 0830
Client Matrix: Solid % Moisture: 20.4 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15817	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000016.D
Dilution:	100			Initial Weight/Volume:	27.86 g
Analysis Date:	09/19/2011 1820			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2600	*	140	1100

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-176_8-10(20110908)**

Lab Sample ID: 240-3692-2 Date Sampled: 09/08/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15817	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000019.D
Dilution:	20			Initial Weight/Volume:	27.92 g
Analysis Date:	09/19/2011 1933			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		500	*	27	220

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-177_4-6(20110908)**

Lab Sample ID: 240-3692-3 Date Sampled: 09/08/2011 1115
Client Matrix: Solid % Moisture: 10.4 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000029.D
Dilution:	1.0			Initial Weight/Volume:	27.55 g
Analysis Date:	09/16/2011 0032			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		20	*	1.2	9.7

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000030.D
Dilution:	1.0			Initial Weight/Volume:	28.71 g
Analysis Date:	09/16/2011 0056			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.2	9.9

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000031.D
Dilution:	1.0			Initial Weight/Volume:	28.45 g
Analysis Date:	09/16/2011 0120			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000032.D
Dilution:	1.0			Initial Weight/Volume:	28.97 g
Analysis Date:	09/16/2011 0144			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Prep Method:	WI DRO PREP	Prep Batch:	240-14900	Lab File ID:	P14R0000033.D
Dilution:	1.0			Initial Weight/Volume:	27.71 g
Analysis Date:	09/16/2011 0208			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-175_4-6(20110908)**

Lab Sample ID: 240-3692-1 Date Sampled: 09/08/2011 0830
Client Matrix: Solid % Moisture: 20.4 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	09/15/2011 1411			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2800	B	11	23
Antimony		18		0.46	1.2
Barium		1100	B	0.083	23
Beryllium		ND		0.050	0.59
Calcium		16000	B	19	590
Cadmium		0.77		0.042	0.23
Cobalt		2.6	J	0.19	5.9
Chromium		19		0.23	0.59
Copper		73		0.87	2.9
Iron		6600	B	5.8	12
Potassium		490	J B	7.3	590
Magnesium		4000		6.0	590
Manganese		170	B	0.087	1.8
Silver		ND		0.12	0.59
Sodium		140	J	77	590
Nickel		6.0		0.32	4.7
Vanadium		8.5		0.14	5.9
Zinc		390		1.2	2.3
Arsenic		7.7		0.35	1.2
Lead		1000		0.22	0.35
Selenium		0.64		0.53	0.59
Thallium		0.71	J	0.65	1.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	20			Initial Weight/Volume:	0.63 g
Analysis Date:	09/16/2011 1300			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		6.1		0.36	2.4

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-176_8-10(20110908)**

Lab Sample ID: 240-3692-2 Date Sampled: 09/08/2011 1015
Client Matrix: Solid % Moisture: 20.5 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	09/15/2011 1435			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8100	B	11	23
Antimony		0.62	J	0.45	1.1
Barium		83	B	0.081	23
Beryllium		0.23	J	0.049	0.57
Calcium		9200	B	18	570
Cadmium		0.15	J	0.041	0.23
Cobalt		8.3		0.18	5.7
Chromium		13		0.23	0.57
Copper		10		0.85	2.9
Iron		11000	B	5.6	11
Potassium		510	J B	7.1	570
Magnesium		3000		5.8	570
Manganese		470	B	0.085	1.7
Silver		ND		0.11	0.57
Sodium		86	J	76	570
Nickel		15		0.31	4.6
Vanadium		21		0.14	5.7
Zinc		29		1.1	2.3
Arsenic		2.7		0.34	1.1
Lead		6.4		0.22	0.34
Selenium		ND		0.51	0.57
Thallium		ND		0.63	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15322	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10914A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	09/14/2011 1814			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-177_4-6(20110908)**

Lab Sample ID: 240-3692-3 Date Sampled: 09/08/2011 1115
Client Matrix: Solid % Moisture: 10.4 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/15/2011 1441			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3500	B	9.4	20
Antimony		ND		0.38	0.98
Barium		29	B	0.070	20
Beryllium		ND		0.042	0.49
Calcium		37000	B	16	490
Cadmium		ND		0.035	0.20
Cobalt		5.7		0.16	4.9
Chromium		9.2		0.20	0.49
Copper		9.5		0.72	2.4
Iron		9700	B	4.8	9.8
Potassium		910	B	6.1	490
Magnesium		9300		5.0	490
Manganese		300	B	0.072	1.5
Silver		ND		0.098	0.49
Sodium		100	J	65	490
Nickel		12		0.26	3.9
Vanadium		13		0.12	4.9
Zinc		19		0.98	2.0
Arsenic		2.2		0.29	0.98
Lead		5.9		0.19	0.29
Selenium		ND		0.44	0.49
Thallium		ND		0.54	0.98

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	09/16/2011 1304			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220
Client Matrix: Solid % Moisture: 15.2 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	09/15/2011 1447			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		22	B	0.075	21
Cadmium		ND		0.038	0.21
Chromium		15		0.21	0.53
Silver		ND		0.11	0.53
Arsenic		3.3		0.32	1.1
Lead		3.0		0.20	0.32
Selenium		ND		0.47	0.53

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	09/16/2011 1305			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405
Client Matrix: Solid % Moisture: 16.6 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.35 g
Analysis Date:	09/15/2011 1454			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8900	B	8.5	18
Antimony		ND		0.35	0.89
Barium		26	B	0.063	18
Beryllium		0.42	J	0.038	0.44
Calcium		16000	B	14	440
Cadmium		ND		0.032	0.18
Cobalt		9.2		0.14	4.4
Chromium		18		0.18	0.44
Copper		32		0.66	2.2
Iron		13000	B	4.4	8.9
Potassium		3900	B	5.5	440
Magnesium		5400		4.5	440
Manganese		170	B	0.066	1.3
Silver		ND		0.089	0.44
Sodium		290	J	59	440
Nickel		19		0.24	3.6
Vanadium		10		0.11	4.4
Zinc		18		0.89	1.8
Arsenic		3.1		0.27	0.89
Lead		3.0		0.17	0.27
Selenium		ND		0.40	0.44
Thallium		ND		0.49	0.89

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	09/16/2011 1307			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440
Client Matrix: Solid % Moisture: 17.3 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	09/15/2011 1514			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7700	B	11	23
Antimony		ND		0.45	1.2
Barium		24	B	0.082	23
Beryllium		0.46	J	0.050	0.58
Calcium		16000	B	18	580
Cadmium		ND		0.041	0.23
Cobalt		11		0.18	5.8
Chromium		15		0.23	0.58
Copper		20		0.85	2.9
Iron		14000	B	5.6	12
Potassium		3800	B	7.1	580
Magnesium		8200		5.9	580
Manganese		210	B	0.085	1.7
Silver		ND		0.12	0.58
Sodium		330	J	76	580
Nickel		22		0.31	4.6
Vanadium		8.2		0.14	5.8
Zinc		22		1.2	2.3
Arsenic		3.1		0.35	1.2
Lead		2.6		0.22	0.35
Selenium		ND		0.52	0.58
Thallium		ND		0.63	1.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.71 g
Analysis Date:	09/16/2011 1308			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.015	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450
Client Matrix: Solid % Moisture: 16.0 Date Received: 09/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-15613	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	09/15/2011 1520			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7300	B	10	21
Antimony		ND		0.41	1.0
Barium		21	B	0.074	21
Beryllium		0.52		0.045	0.52
Calcium		9200	B	17	520
Cadmium		ND		0.038	0.21
Cobalt		12		0.17	5.2
Chromium		14		0.21	0.52
Copper		19		0.77	2.6
Iron		14000	B	5.1	10
Potassium		4200	B	6.5	520
Magnesium		6100		5.3	520
Manganese		150	B	0.077	1.6
Silver		ND		0.10	0.52
Sodium		250	J	69	520
Nickel		25		0.28	4.2
Vanadium		5.4		0.13	5.2
Zinc		19		1.0	2.1
Arsenic		3.0		0.31	1.0
Lead		2.2		0.20	0.31
Selenium		ND		0.47	0.52
Thallium		ND		0.57	1.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-15700	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2011 1309			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

General Chemistry

Client Sample ID: **ASB-175_4-6(20110908)**

Lab Sample ID: 240-3692-1 Date Sampled: 09/08/2011 0830

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-176_8-10(20110908)**

Lab Sample ID: 240-3692-2 Date Sampled: 09/08/2011 1015

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-177_4-6(20110908)**

Lab Sample ID: 240-3692-3 Date Sampled: 09/08/2011 1115

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-178_0-2(20110908)**

Lab Sample ID: 240-3692-4 Date Sampled: 09/08/2011 1220

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-179_0-2(20110908)**

Lab Sample ID: 240-3692-5 Date Sampled: 09/08/2011 1405

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-180_0-2(20110908)**

Lab Sample ID: 240-3692-6 Date Sampled: 09/08/2011 1440

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-180_2-4(20110908)**

Lab Sample ID: 240-3692-7 Date Sampled: 09/08/2011 1450

Client Matrix: Solid Date Received: 09/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-14914	Analysis Date: 09/10/2011 1323						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
GC VOA		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Section	Qualifier	Description
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-14890					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	5035	
MB 240-14890/1-A	Method Blank	T	Solid	5035	
240-3692-8FB	MB-01120110908	T	Solid	5035	
Analysis Batch:240-14988					
LCS 240-14890/2-A	Lab Control Sample	T	Solid	8260B	240-14890
MB 240-14890/1-A	Method Blank	T	Solid	8260B	240-14890
240-3692-8FB	MB-01120110908	T	Solid	8260B	240-14890
Prep Batch: 240-15029					
LCS 240-15029/2-A	Lab Control Sample	T	Solid	5035	
MB 240-15029/1-A	Method Blank	T	Solid	5035	
240-3692-1	ASB-175_4-6(20110908)	T	Solid	5035	
240-3692-1MS	Matrix Spike	T	Solid	5035	
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3692-2	ASB-176_8-10(20110908)	T	Solid	5035	
240-3692-3	ASB-177_4-6(20110908)	T	Solid	5035	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	5035	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	5035	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	5035	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	5035	
Analysis Batch:240-15148					
LCS 240-15029/2-A	Lab Control Sample	T	Solid	8260B	240-15029
MB 240-15029/1-A	Method Blank	T	Solid	8260B	240-15029
Analysis Batch:240-15310					
240-3692-1	ASB-175_4-6(20110908)	T	Solid	8260B	240-15029
240-3692-1MS	Matrix Spike	T	Solid	8260B	240-15029
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	8260B	240-15029
240-3692-3	ASB-177_4-6(20110908)	T	Solid	8260B	240-15029
240-3692-4	ASB-178_0-2(20110908)	T	Solid	8260B	240-15029
240-3692-5	ASB-179_0-2(20110908)	T	Solid	8260B	240-15029
240-3692-6	ASB-180_0-2(20110908)	T	Solid	8260B	240-15029
240-3692-7	ASB-180_2-4(20110908)	T	Solid	8260B	240-15029
Analysis Batch:240-15508					
240-3692-2	ASB-176_8-10(20110908)	T	Solid	8260B	240-15029

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-16114					
LCS 240-16114/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-16114/24-A	Method Blank	T	Solid	3540C	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	3540C	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	3540C	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	3540C	
240-3692-6MS	Matrix Spike	T	Solid	3540C	
240-3692-6MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	3540C	
Analysis Batch:240-16875					
LCS 240-16114/23-A	Lab Control Sample	T	Solid	8270C	240-16114
MB 240-16114/24-A	Method Blank	T	Solid	8270C	240-16114
240-3692-4	ASB-178_0-2(20110908)	T	Solid	8270C	240-16114
240-3692-5	ASB-179_0-2(20110908)	T	Solid	8270C	240-16114
240-3692-6	ASB-180_0-2(20110908)	T	Solid	8270C	240-16114
240-3692-6MS	Matrix Spike	T	Solid	8270C	240-16114
240-3692-6MSD	Matrix Spike Duplicate	T	Solid	8270C	240-16114
240-3692-7	ASB-180_2-4(20110908)	T	Solid	8270C	240-16114
Prep Batch: 240-18046					
LCS 240-18046/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-18046/23-A	Method Blank	T	Solid	3540C	
240-3692-4RE	ASB-178_0-2(20110908)	T	Solid	3540C	
240-3692-5RE	ASB-179_0-2(20110908)	T	Solid	3540C	
240-3692-6RE	ASB-180_0-2(20110908)	T	Solid	3540C	
240-3692-7RE	ASB-180_2-4(20110908)	T	Solid	3540C	
240-4269-S-1-B MS	Matrix Spike	T	Solid	3540C	
240-4269-S-1-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-4331-R-1-E MS	Matrix Spike	T	Solid	3540C	
240-4331-R-1-F MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-18342					
LCS 240-18046/24-A	Lab Control Sample	T	Solid	8270C	240-18046
MB 240-18046/23-A	Method Blank	T	Solid	8270C	240-18046
240-3692-4RE	ASB-178_0-2(20110908)	T	Solid	8270C	240-18046
240-3692-5RE	ASB-179_0-2(20110908)	T	Solid	8270C	240-18046
240-3692-6RE	ASB-180_0-2(20110908)	T	Solid	8270C	240-18046
240-3692-7RE	ASB-180_2-4(20110908)	T	Solid	8270C	240-18046
240-4269-S-1-B MS	Matrix Spike	T	Solid	8270C	240-18046
240-4269-S-1-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-18046
240-4331-R-1-E MS	Matrix Spike	T	Solid	8270C	240-18046
240-4331-R-1-F MSD	Matrix Spike Duplicate	T	Solid	8270C	240-18046

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
GC VOA					
Prep Batch: 240-16655					
LCS 240-16655/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-16655/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-16655/1-A	Method Blank	T	Solid	5035	
240-3692-1	ASB-175_4-6(20110908)	T	Solid	5035	
240-3692-1MS	Matrix Spike	T	Solid	5035	
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	5035	
240-3692-2	ASB-176_8-10(20110908)	T	Solid	5035	
240-3692-3	ASB-177_4-6(20110908)	T	Solid	5035	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	5035	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	5035	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	5035	
Analysis Batch:240-16677					
LCS 240-16655/2-A	Lab Control Sample	T	Solid	WI-GRO	240-16655
LCSD 240-16655/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-16655
MB 240-16655/1-A	Method Blank	T	Solid	WI-GRO	240-16655
240-3692-1MS	Matrix Spike	T	Solid	WI-GRO	240-16655
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	WI-GRO	240-16655
240-3692-2	ASB-176_8-10(20110908)	T	Solid	WI-GRO	240-16655
240-3692-3	ASB-177_4-6(20110908)	T	Solid	WI-GRO	240-16655
240-3692-5	ASB-179_0-2(20110908)	T	Solid	WI-GRO	240-16655
240-3692-6	ASB-180_0-2(20110908)	T	Solid	WI-GRO	240-16655
240-3692-7	ASB-180_2-4(20110908)	T	Solid	WI-GRO	240-16655
Analysis Batch:240-17016					
240-3692-1	ASB-175_4-6(20110908)	T	Solid	WI-GRO	240-16655

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-14900					
LCS 240-14900/10-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-14900/11-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-14900/12-A	Method Blank	T	Solid	WI DRO PREP	
240-3692-1	ASB-175_4-6(20110908)	T	Solid	WI DRO PREP	
240-3692-1MS	Matrix Spike	T	Solid	WI DRO PREP	
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	WI DRO PREP	
240-3692-2	ASB-176_8-10(20110908)	T	Solid	WI DRO PREP	
240-3692-3	ASB-177_4-6(20110908)	T	Solid	WI DRO PREP	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	WI DRO PREP	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	WI DRO PREP	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	WI DRO PREP	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	WI DRO PREP	
Analysis Batch:240-15534					
LCS 240-14900/10-A	Lab Control Sample	T	Solid	WI-DRO	240-14900
LCSD 240-14900/11-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-14900
MB 240-14900/12-A	Method Blank	T	Solid	WI-DRO	240-14900
240-3692-3	ASB-177_4-6(20110908)	T	Solid	WI-DRO	240-14900
240-3692-4	ASB-178_0-2(20110908)	T	Solid	WI-DRO	240-14900
240-3692-5	ASB-179_0-2(20110908)	T	Solid	WI-DRO	240-14900
240-3692-6	ASB-180_0-2(20110908)	T	Solid	WI-DRO	240-14900
240-3692-7	ASB-180_2-4(20110908)	T	Solid	WI-DRO	240-14900
Analysis Batch:240-15817					
240-3692-1	ASB-175_4-6(20110908)	T	Solid	WI-DRO	240-14900
240-3692-1MS	Matrix Spike	T	Solid	WI-DRO	240-14900
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	WI-DRO	240-14900
240-3692-2	ASB-176_8-10(20110908)	T	Solid	WI-DRO	240-14900
Prep Batch: 240-16128					
LCS 240-16128/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-16128/20-A	Method Blank	T	Solid	3540C	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	3540C	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	3540C	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	3540C	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	3540C	
240-3807-E-3-C MS	Matrix Spike	T	Solid	3540C	
240-3807-E-3-D MSD	Matrix Spike Duplicate	T	Solid	3540C	

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-16423					
LCS 240-16128/19-A	Lab Control Sample	T	Solid	8082	240-16128
MB 240-16128/20-A	Method Blank	T	Solid	8082	240-16128
240-3692-4	ASB-178_0-2(20110908)	T	Solid	8082	240-16128
240-3692-5	ASB-179_0-2(20110908)	T	Solid	8082	240-16128
240-3692-6	ASB-180_0-2(20110908)	T	Solid	8082	240-16128
240-3692-7	ASB-180_2-4(20110908)	T	Solid	8082	240-16128
240-3807-E-3-C MS	Matrix Spike	T	Solid	8082	240-16128
240-3807-E-3-D MSD	Matrix Spike Duplicate	T	Solid	8082	240-16128

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-15306					
LCS 240-15306/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-15306/1-A	Method Blank	T	Solid	3050B	
240-3692-1	ASB-175_4-6(20110908)	T	Solid	3050B	
240-3692-1MS	Matrix Spike	T	Solid	3050B	
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-3692-2	ASB-176_8-10(20110908)	T	Solid	3050B	
240-3692-3	ASB-177_4-6(20110908)	T	Solid	3050B	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	3050B	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	3050B	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	3050B	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	3050B	
Prep Batch: 240-15312					
LCS 240-15312/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-15312/1-A	Method Blank	T	Solid	7471A	
240-3692-1	ASB-175_4-6(20110908)	T	Solid	7471A	
240-3692-1MS	Matrix Spike	T	Solid	7471A	
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-3692-2	ASB-176_8-10(20110908)	T	Solid	7471A	
240-3692-3	ASB-177_4-6(20110908)	T	Solid	7471A	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	7471A	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	7471A	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	7471A	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	7471A	
Analysis Batch:240-15322					
LCS 240-15312/2-A	Lab Control Sample	T	Solid	7471A	240-15312
MB 240-15312/1-A	Method Blank	T	Solid	7471A	240-15312
240-3692-2	ASB-176_8-10(20110908)	T	Solid	7471A	240-15312
Analysis Batch:240-15613					
LCS 240-15306/2-A	Lab Control Sample	T	Solid	6010B	240-15306
MB 240-15306/1-A	Method Blank	T	Solid	6010B	240-15306
240-3692-1	ASB-175_4-6(20110908)	T	Solid	6010B	240-15306
240-3692-1MS	Matrix Spike	T	Solid	6010B	240-15306
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-15306
240-3692-2	ASB-176_8-10(20110908)	T	Solid	6010B	240-15306
240-3692-3	ASB-177_4-6(20110908)	T	Solid	6010B	240-15306
240-3692-4	ASB-178_0-2(20110908)	T	Solid	6010B	240-15306
240-3692-5	ASB-179_0-2(20110908)	T	Solid	6010B	240-15306
240-3692-6	ASB-180_0-2(20110908)	T	Solid	6010B	240-15306
240-3692-7	ASB-180_2-4(20110908)	T	Solid	6010B	240-15306

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-15700					
240-3692-1	ASB-175_4-6(20110908)	T	Solid	7471A	240-15312
240-3692-1MS	Matrix Spike	T	Solid	7471A	240-15312
240-3692-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-15312
240-3692-3	ASB-177_4-6(20110908)	T	Solid	7471A	240-15312
240-3692-4	ASB-178_0-2(20110908)	T	Solid	7471A	240-15312
240-3692-5	ASB-179_0-2(20110908)	T	Solid	7471A	240-15312
240-3692-6	ASB-180_0-2(20110908)	T	Solid	7471A	240-15312
240-3692-7	ASB-180_2-4(20110908)	T	Solid	7471A	240-15312
Analysis Batch:240-15786					
LCS 240-15306/2-A	Lab Control Sample	T	Solid	6010B	240-15306

Report Basis
T = Total

General Chemistry					
Analysis Batch:240-14914					
240-3692-1	ASB-175_4-6(20110908)	T	Solid	Moisture	
240-3692-1DU	Duplicate	T	Solid	Moisture	
240-3692-2	ASB-176_8-10(20110908)	T	Solid	Moisture	
240-3692-3	ASB-177_4-6(20110908)	T	Solid	Moisture	
240-3692-4	ASB-178_0-2(20110908)	T	Solid	Moisture	
240-3692-4DU	Duplicate	T	Solid	Moisture	
240-3692-5	ASB-179_0-2(20110908)	T	Solid	Moisture	
240-3692-6	ASB-180_0-2(20110908)	T	Solid	Moisture	
240-3692-7	ASB-180_2-4(20110908)	T	Solid	Moisture	

Report Basis
T = Total

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-3692-1	ASB-175_4-6(20110908)	81	137	64	93
240-3692-2	ASB-176_8-10(20110908)	217X	433X	256X	331X
240-3692-3	ASB-177_4-6(20110908)	81	76	69	76
240-3692-4	ASB-178_0-2(20110908)	75	73	65	77
240-3692-5	ASB-179_0-2(20110908)	70	72	61	73
240-3692-6	ASB-180_0-2(20110908)	78	74	67	79
240-3692-7	ASB-180_2-4(20110908)	77	73	63	77
240-3692-8	MB-01120110908	138X	114	112	122
MB 240-14890/1-A		87	85	73	86
MB 240-15029/1-A		86	85	70	85
LCS 240-14890/2-A		83	91	76	88
LCS 240-15029/2-A		87	86	76	86
240-3692-1 MS	ASB-175_4-6(20110908) MS	77	142X	67	92
240-3692-1 MSD	ASB-175_4-6(20110908) MSD	77	131	65	87

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-3692-4 RE	ASB-178_0-2(20110908) RE	51	56	46	31	30	80
240-3692-4	ASB-178_0-2(20110908)	53	55	42	48	49	80
240-3692-5 RE	ASB-179_0-2(20110908) RE	52	61	60	52	54	78
240-3692-5	ASB-179_0-2(20110908)	56	61	47	57	54	77
240-3692-6 RE	ASB-180_0-2(20110908) RE	59	67	54	55	61	77
240-3692-6	ASB-180_0-2(20110908)	69	79	78	67	69	89
240-3692-7 RE	ASB-180_2-4(20110908) RE	60	67	50	53	59	75
240-3692-7	ASB-180_2-4(20110908)	57	67	58	57	58	87
MB 240-16114/24-A		68	76	69	68	75	87
MB 240-18046/23-A		70	77	77	63	77	92
LCS 240-16114/23-A		57	57	67	48	62	88
LCS 240-18046/24-A		74	79	81	72	80	92
240-3692-6 MS	ASB-180_0-2(20110908) MS	64	82	46	69	81	86
240-4269-S-1-B MS		65	60	57	51	65	80
240-4331-R-1-E MS		65	60	63	44	61	80
240-3692-6 MSD	ASB-180_0-2(20110908) MSD	61	75	62	60	68	88
240-4269-S-1-C MSD		60	69	61	53	71	87
240-4331-R-1-F MSD		65	62	59	53	63	86

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
240-3692-4	ASB-178_0-2(20110908)	77	67
240-3692-5	ASB-179_0-2(20110908)	71	70
240-3692-6	ASB-180_0-2(20110908)	66	75
240-3692-7	ASB-180_2-4(20110908)	67	75
MB 240-16128/20-A		87	93
LCS 240-16128/19-A		91	100
240-3807-E-3-C MS		8X	10X
240-3807-E-3-D MSD		72	79

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-14890 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-14890/1-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1310	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	11.0	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	73	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	400	80	27 - 121	
1,1,1-Trichloroethane	500	402	80	38 - 122	
1,1,2,2-Tetrachloroethane	500	545	109	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	444	89	48 - 151	
1,1,2-Trichloroethane	500	545	109	74 - 114	
1,1-Dichloroethane	500	449	90	63 - 117	
1,1-Dichloroethene	500	450	90	44 - 143	
1,1-Dichloropropene	500	476	95	60 - 123	
1,2,3-Trichlorobenzene	500	417	83	43 - 129	
1,2,3-Trichloropropane	500	570	114	74 - 124	
1,2,4-Trichlorobenzene	500	405	81	41 - 135	
1,2,4-Trimethylbenzene	500	500	100	62 - 133	
1,2-Dibromo-3-Chloropropane	500	408	82	10 - 129	J
1,2-Dibromoethane	500	510	102	47 - 123	
1,2-Dichlorobenzene	500	469	94	68 - 118	
1,2-Dichloroethane	500	464	93	68 - 119	
1,2-Dichloropropane	500	485	97	73 - 113	
1,3,5-Trimethylbenzene	500	486	97	60 - 130	
1,3-Dichlorobenzene	500	488	98	66 - 121	
1,3-Dichloropropane	500	530	106	74 - 119	
1,4-Dichlorobenzene	500	475	95	65 - 119	
2,2-Dichloropropane	500	382	76	25 - 123	
2-Butanone (MEK)	1000	1190	119	10 - 199	
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	1260	126	43 - 130	
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1150	115	49 - 121	
Acetone	1000	730	73	16 - 156	J
Benzene	500	490	98	70 - 117	
Bromobenzene	500	510	102	72 - 120	
Bromochloromethane	500	463	93	56 - 128	
Bromodichloromethane	500	380	76	28 - 123	
Bromoform	500	469	94	10 - 117	
Bromomethane	500	288	58	10 - 114	
Carbon disulfide	500	306	61	10 - 132	
Carbon tetrachloride	500	374	75	29 - 118	
Chlorobenzene	500	486	97	71 - 116	
Chloroethane	500	372	74	10 - 120	
Chloroform	500	454	91	63 - 116	
Chloromethane	500	367	73	25 - 110	
cis-1,2-Dichloroethene	500	460	92	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-14890

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-14890/2-A	Analysis Batch:	240-14988	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-14890	Lab File ID:	140825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	09/12/2011 1248	Units:	ug/Kg	Final Weight/Volume:	25 mL
Prep Date:	09/10/2011 0201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	411	82	25 - 120	
Cyclohexane	500	453	91	40 - 120	J
Chlorodibromomethane	500	379	76	22 - 113	
Dibromomethane	500	510	102	68 - 118	
Dichlorodifluoromethane	500	283	57	10 - 110	
Ethyl ether	500	411	82	70 - 130	J
Ethylbenzene	500	484	97	66 - 119	
Hexachlorobutadiene	500	418	84	34 - 135	
Isopropylbenzene	500	461	92	61 - 123	
Methyl acetate	500	510	102	44 - 173	
Methyl tert butyl ether	500	486	97	34 - 157	J
Methylcyclohexane	500	471	94	41 - 133	J
Methylene Chloride	500	397	79	27 - 172	
m-Xylene & p-Xylene	1000	980	98	67 - 118	
Naphthalene	500	448	90	37 - 126	
n-Butylbenzene	500	478	96	51 - 137	
N-Propylbenzene	500	535	107	64 - 130	
o-Xylene	500	481	96	68 - 120	
p-Isopropyltoluene	500	489	98	56 - 136	
sec-Butylbenzene	500	486	97	58 - 131	
Styrene	500	439	88	60 - 120	
tert-Butylbenzene	500	498	100	58 - 128	
Tetrachloroethene	500	510	102	58 - 131	
Tetrahydrofuran	500	545	109	70 - 130	J
Toluene	500	515	103	66 - 123	
trans-1,2-Dichloroethene	500	438	88	58 - 121	
trans-1,3-Dichloropropene	500	436	87	22 - 122	
Trichloroethene	500	478	96	59 - 124	
Trichlorofluoromethane	500	313	63	17 - 145	
Vinyl chloride	500	390	78	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	39 - 128
4-Bromofluorobenzene (Surr)	91	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	88	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-15029 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-15029/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2101	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-15029/1-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2101	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	9.54	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	39 - 128
4-Bromofluorobenzene (Surr)	85	26 - 141
Dibromofluoromethane (Surr)	70	30 - 122
Toluene-d8 (Surr)	85	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15029/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2039	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	393	79	27 - 121	
1,1,1-Trichloroethane	500	389	78	38 - 122	
1,1,2,2-Tetrachloroethane	500	505	101	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	408	82	48 - 151	
1,1,2-Trichloroethane	500	550	110	74 - 114	
1,1-Dichloroethane	500	434	87	63 - 117	
1,1-Dichloroethene	500	412	82	44 - 143	
1,1-Dichloropropene	500	450	90	60 - 123	
1,2,3-Trichlorobenzene	500	397	79	43 - 129	
1,2,3-Trichloropropane	500	565	113	74 - 124	
1,2,4-Trichlorobenzene	500	368	74	41 - 135	
1,2,4-Trimethylbenzene	500	461	92	62 - 133	
1,2-Dibromo-3-Chloropropane	500	390	78	10 - 129	J
1,2-Dibromoethane	500	520	104	47 - 123	
1,2-Dichlorobenzene	500	467	93	68 - 118	
1,2-Dichloroethane	500	478	96	68 - 119	
1,2-Dichloropropane	500	496	99	73 - 113	
1,3,5-Trimethylbenzene	500	443	89	60 - 130	
1,3-Dichlorobenzene	500	458	92	66 - 121	
1,3-Dichloropropane	500	545	109	74 - 119	
1,4-Dichlorobenzene	500	445	89	65 - 119	
2,2-Dichloropropane	500	324	65	25 - 123	
2-Butanone (MEK)	1000	1080	108	10 - 199	
2-Chlorotoluene	500	475	95	68 - 122	
2-Hexanone	1000	1230	123	43 - 130	
4-Chlorotoluene	500	498	100	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1140	114	49 - 121	
Acetone	1000	760	76	16 - 156	J
Benzene	500	489	98	70 - 117	
Bromobenzene	500	500	100	72 - 120	
Bromochloromethane	500	457	91	56 - 128	
Bromodichloromethane	500	384	77	28 - 123	
Bromoform	500	464	93	10 - 117	
Bromomethane	500	294	59	10 - 114	
Carbon disulfide	500	269	54	10 - 132	
Carbon tetrachloride	500	344	69	29 - 118	
Chlorobenzene	500	477	95	71 - 116	
Chloroethane	500	376	75	10 - 120	
Chloroform	500	442	88	63 - 116	
Chloromethane	500	353	71	25 - 110	
cis-1,2-Dichloroethene	500	428	86	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-15029

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-15029/2-A	Analysis Batch:	240-15148	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	09/13/2011 2039	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	400	80	25 - 120	
Cyclohexane	500	414	83	40 - 120	J
Chlorodibromomethane	500	343	69	22 - 113	
Dibromomethane	500	499	100	68 - 118	
Dichlorodifluoromethane	500	239	48	10 - 110	J
Ethyl ether	500	421	84	70 - 130	J
Ethylbenzene	500	476	95	66 - 119	
Hexachlorobutadiene	500	377	75	34 - 135	
Isopropylbenzene	500	446	89	61 - 123	
Methyl acetate	500	575	115	44 - 173	
Methyl tert butyl ether	500	475	95	34 - 157	J
Methylcyclohexane	500	404	81	41 - 133	J
Methylene Chloride	500	383	77	27 - 172	
m-Xylene & p-Xylene	1000	940	94	67 - 118	
Naphthalene	500	465	93	37 - 126	
n-Butylbenzene	500	428	86	51 - 137	
N-Propylbenzene	500	494	99	64 - 130	
o-Xylene	500	471	94	68 - 120	
p-Isopropyltoluene	500	433	87	56 - 136	
sec-Butylbenzene	500	449	90	58 - 131	
Styrene	500	448	90	60 - 120	
tert-Butylbenzene	500	469	94	58 - 128	
Tetrachloroethene	500	455	91	58 - 131	
Tetrahydrofuran	500	565	113	70 - 130	J
Toluene	500	494	99	66 - 123	
trans-1,2-Dichloroethene	500	410	82	58 - 121	
trans-1,3-Dichloropropene	500	396	79	22 - 122	
Trichloroethene	500	473	95	59 - 124	
Trichlorofluoromethane	500	295	59	17 - 145	
Vinyl chloride	500	369	74	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	86	26 - 141
Dibromofluoromethane (Surr)	76	30 - 122
Toluene-d8 (Surr)	86	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15029

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140892.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	09/14/2011 1319			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140893.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.3 g
Analysis Date:	09/14/2011 1340			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	64	58	19 - 124	9	30	J	J
1,1,1-Trichloroethane	62	60	10 - 159	3	30	J	J
1,1,2,2-Tetrachloroethane	0	0	16 - 158	NC	30	F	F
1,1,2-Trichloro-1,2,2-trifluoroethane	73	73	23 - 168	1	30	J	J
1,1,2-Trichloroethane	0	0	34 - 152	NC	30	F	F
1,1-Dichloroethane	78	76	18 - 160	2	30	J	J
1,1-Dichloroethene	78	71	10 - 179	9	30	J	J
1,1-Dichloropropene	83	80	42 - 126	4	30	J	J
1,2,3-Trichlorobenzene	86	93	10 - 123	8	30	J	J
1,2,3-Trichloropropane	0	0	54 - 142	NC	30	F	F
1,2,4-Trichlorobenzene	81	78	10 - 136	3	30	J	J
1,2,4-Trimethylbenzene	168	210	10 - 199	22	30		F
1,2-Dibromo-3-Chloropropane	0	0	10 - 137	NC	30	F	F
1,2-Dibromoethane	93	0	32 - 127	NC	30	J	F
1,2-Dichlorobenzene	86	81	27 - 126	5	30	J	J
1,2-Dichloroethane	86	79	25 - 150	8	30	J	J
1,2-Dichloropropane	97	99	58 - 118	3	30	J	J
1,3,5-Trimethylbenzene	95	98	10 - 173	3	30	J	J
1,3-Dichlorobenzene	82	82	29 - 124	0	30	J	J
1,3-Dichloropropane	97	90	58 - 117	8	30	J	J
1,4-Dichlorobenzene	84	81	30 - 123	3	30	J	J
2,2-Dichloropropane	57	56	26 - 127	3	30	J	J
2-Butanone (MEK)	127	123	10 - 172	4	30	J	J
2-Chlorotoluene	102	95	51 - 118	8	30	J	J
2-Hexanone	0	0	21 - 141	NC	30	F	F
4-Chlorotoluene	0	94	43 - 120	NC	30	F	J
4-Methyl-2-pentanone (MIBK)	70	0	19 - 151	NC	30	J	F
Acetone	81	91	10 - 142	12	30	J	J
Benzene	95	86	10 - 199	9	30	J	J
Bromobenzene	89	86	49 - 119	2	30	J	J
Bromochloromethane	77	79	42 - 123	2	30	J	J
Bromodichloromethane	86	88	18 - 133	3	30	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15029

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140892.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	09/14/2011 1319			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140893.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.3 g
Analysis Date:	09/14/2011 1340			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromoform	174	169	10 - 147	3	30	F	F
Bromomethane	20	0	10 - 151	NC	30	J	F
Carbon disulfide	32	21	10 - 155	19	30	J	J
Carbon tetrachloride	53	53	12 - 135	0	30	J	J
Chlorobenzene	90	84	47 - 118	7	30	J	J
Chloroethane	76	68	10 - 168	11	30	J	J
Chloroform	78	73	51 - 120	7	30	J	J
Chloromethane	65	60	16 - 115	8	30	J	J
cis-1,2-Dichloroethene	81	75	34 - 137	7	30	J	J
cis-1,3-Dichloropropene	81	80	19 - 121	1	30	J	J
Cyclohexane	81	58	10 - 154	17	30	J	J
Chlorodibromomethane	81	0	10 - 128	NC	30	J	F
Dibromomethane	86	83	45 - 121	4	30	J	J
Dichlorodifluoromethane	37	42	10 - 113	11	30	J	J
Ethyl ether	78	74	70 - 130	5	30	J	J
Ethylbenzene	199	146	27 - 143	30	30	F	J F
Hexachlorobutadiene	55	64	10 - 134	15	30	J	J
Isopropylbenzene	306	-43	39 - 126	46	30	4	4 F
Methyl acetate	363	783	10 - 175	59	30	F	F
Methyl tert butyl ether	90	86	26 - 159	4	30	J	J
Methylcyclohexane	328	-437	11 - 156	33	30	4	4 F
Methylene Chloride	55	62	10 - 148	12	30	J	J
m-Xylene & p-Xylene	111	96	14 - 151	14	30	J	J
Naphthalene	-1111	-547	10 - 199	40	30	4	4 F
n-Butylbenzene	895	-296	13 - 154	35	30	4	4 F
N-Propylbenzene	482	-185	41 - 135	45	30	4	4 F
o-Xylene	108	96	18 - 151	12	30	J	J
p-Isopropyltoluene	73	130	33 - 139	13	30		
sec-Butylbenzene	595	-168	41 - 133	41	30	4	4 F
Styrene	88	82	31 - 137	6	30	J	J
tert-Butylbenzene	597	390	45 - 132	42	30	F	F
Tetrachloroethene	83	79	19 - 153	5	30	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15029

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140892.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	09/14/2011 1319			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-15310	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-15029	Lab File ID:	140893.D
Dilution:	3.333	Leach Batch:	N/A	Initial Weight/Volume:	10.3 g
Analysis Date:	09/14/2011 1340			Final Weight/Volume:	10 mL
Prep Date:	09/12/2011 1411				
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	113	114	70 - 130	0	30	J	J
Toluene	139	83	10 - 168	42	30	J	J F
trans-1,2-Dichloroethene	78	70	40 - 126	10	30	J	J
trans-1,3-Dichloropropene	88	86	10 - 136	2	30	J	J
Trichloroethene	90	94	10 - 193	5	30	J	J
Trichlorofluoromethane	50	51	10 - 157	1	30	J	J
Vinyl chloride	66	63	15 - 123	4	30	J	J

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		77	39 - 128
4-Bromofluorobenzene (Surr)	142	X	131	26 - 141
Dibromofluoromethane (Surr)	67		65	30 - 122
Toluene-d8 (Surr)	92		87	33 - 134

Method Blank - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-16114/24-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	MB16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1007	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	27.4	J	19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-16114/24-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	MB16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1007	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	30.7	J	15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	34 - 110
2-Fluorophenol (Surr)	76	26 - 110
2,4,6-Tribromophenol (Surr)	69	10 - 118
Nitrobenzene-d5 (Surr)	68	24 - 112
Phenol-d5 (Surr)	75	28 - 110
Terphenyl-d14 (Surr)	87	41 - 119

Lab Control Sample - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-16114/23-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	LCS16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1026	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	388	58	50 - 130	
2,2'-oxybis[1-chloropropane]	667	352	53	36 - 116	
2,4,5-Trichlorophenol	667	491	74	42 - 110	
2,4,6-Trichlorophenol	667	414	62	37 - 110	
2,4-Dichlorophenol	667	453	68	40 - 110	
2,4-Dimethylphenol	667	385	58	28 - 110	
2,4-Dinitrophenol	667	385	58	10 - 110	J
2,4-Dinitrotoluene	667	570	85	55 - 116	
2,6-Dinitrotoluene	667	550	82	54 - 115	
2-Chloronaphthalene	667	381	57	46 - 110	
2-Chlorophenol	667	368	55	39 - 110	
2-Methylnaphthalene	667	383	57	46 - 110	
2-Methylphenol	667	413	62	36 - 110	
2-Nitroaniline	667	508	76	47 - 124	J
2-Nitrophenol	667	371	56	35 - 110	
3,3'-Dichlorobenzidine	667	341	51	31 - 110	J
3-Nitroaniline	667	478	72	44 - 110	J
4,6-Dinitro-2-methylphenol	667	515	77	21 - 110	J
4-Bromophenyl phenyl ether	667	495	74	53 - 112	
4-Chloro-3-methylphenol	667	496	74	42 - 110	
4-Chloroaniline	667	335	50	25 - 110	
4-Chlorophenyl phenyl ether	667	478	72	53 - 110	
4-Nitroaniline	667	516	77	50 - 110	J
4-Nitrophenol	667	483	72	24 - 117	J
Acenaphthene	667	402	60	46 - 110	
Acenaphthylene	667	410	61	47 - 110	
Acetophenone	667	386	58	50 - 130	
Anthracene	667	477	72	56 - 111	
Atrazine	667	580	87	50 - 130	
Benzaldehyde	667	387	58	10 - 130	
Benzo[a]anthracene	667	579	87	58 - 111	
Benzo[a]pyrene	667	473	71	44 - 115	
Benzo[b]fluoranthene	667	523	78	43 - 124	
Benzo[g,h,i]perylene	667	592	89	44 - 120	
Benzo[k]fluoranthene	667	517	77	38 - 122	
Bis(2-chloroethoxy)methane	667	369	55	42 - 110	
Bis(2-chloroethyl)ether	667	354	53	41 - 110	
Bis(2-ethylhexyl) phthalate	667	1220	183	56 - 123	*
Butyl benzyl phthalate	667	545	82	57 - 121	
Caprolactam	667	545	82	50 - 130	
Carbazole	667	509	76	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-16114

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-16114/23-A	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	LCS16114.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/27/2011 1026	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	513	77	56 - 111	
Dibenz(a,h)anthracene	667	572	86	45 - 122	
Dibenzofuran	667	425	64	50 - 110	
Diethyl phthalate	667	500	75	55 - 114	
Dimethyl phthalate	667	483	72	54 - 112	
Di-n-butyl phthalate	667	547	82	57 - 119	
Di-n-octyl phthalate	667	603	90	45 - 123	
Fluoranthene	667	575	86	55 - 118	
Fluorene	667	493	74	51 - 110	
Hexachlorobenzene	667	538	81	51 - 110	
Hexachlorobutadiene	667	345	52	39 - 110	
Hexachlorocyclopentadiene	667	233	35	10 - 110	J
Hexachloroethane	667	357	54	38 - 110	
Indeno[1,2,3-cd]pyrene	667	561	84	45 - 121	
Isophorone	667	383	57	46 - 117	
Naphthalene	667	335	50	42 - 110	
Nitrobenzene	667	361	54	40 - 110	
N-Nitrosodi-n-propylamine	667	383	57	40 - 114	
N-Nitrosodiphenylamine	667	483	72	54 - 112	
Pentachlorophenol	667	341	51	10 - 110	
Phenol	667	420	63	39 - 110	
Phenanthrene	667	527	79	54 - 110	
Pyrene	667	476	71	58 - 113	
3 & 4 Methylphenol	1330	893	67	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	57	34 - 110
2-Fluorophenol (Surr)	57	26 - 110
2,4,6-Tribromophenol (Surr)	67	10 - 118
Nitrobenzene-d5 (Surr)	48	24 - 112
Phenol-d5 (Surr)	62	28 - 110
Terphenyl-d14 (Surr)	88	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16114

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3692-6	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 1520			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-6	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1539			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	64	61	50 - 130	5	30		
2,2'-oxybis[1-chloropropane]	80	67	25 - 124	18	30		
2,4,5-Trichlorophenol	62	68	32 - 112	9	30		
2,4,6-Trichlorophenol	47	51	22 - 110	7	30	J	
2,4-Dichlorophenol	71	63	33 - 110	13	30		
2,4-Dimethylphenol	69	61	19 - 114	12	30		
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
2,4-Dinitrotoluene	72	75	42 - 118	3	30		
2,6-Dinitrotoluene	80	76	28 - 137	5	30		
2-Chloronaphthalene	66	64	40 - 110	2	30		
2-Chlorophenol	81	68	32 - 110	18	30		
2-Methylnaphthalene	74	69	10 - 200	6	30		
2-Methylphenol	68	71	19 - 124	3	30		
2-Nitroaniline	73	73	31 - 141	1	30	J	J
2-Nitrophenol	68	66	17 - 110	2	30		
3,3'-Dichlorobenzidine	37	20	10 - 110	62	30	J	J F
3-Nitroaniline	55	63	24 - 110	12	30	J	J
4,6-Dinitro-2-methylphenol	14	20	10 - 110	35	30	J	J F
4-Bromophenyl phenyl ether	71	67	44 - 120	5	30		
4-Chloro-3-methylphenol	70	68	32 - 117	4	30		
4-Chloroaniline	40	43	11 - 110	7	30	J	J
4-Chlorophenyl phenyl ether	70	74	47 - 116	5	30		
4-Nitroaniline	63	56	23 - 124	11	30	J	J
4-Nitrophenol	0	0	10 - 125	NC	30	F	F
Acenaphthene	65	64	10 - 200	1	30		
Acenaphthylene	64	64	10 - 200	0	30		
Acetophenone	83	71	50 - 130	15	30		
Anthracene	67	69	10 - 200	3	30		
Atrazine	78	81	50 - 130	3	30		
Benzaldehyde	91	82	10 - 130	11	30		
Benzo[a]anthracene	79	78	10 - 200	1	30		
Benzo[a]pyrene	65	63	10 - 200	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16114

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3692-6	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 1520			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-6	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1539			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	60	63	10 - 200	5	30		
Benzo[g,h,i]perylene	77	78	10 - 200	1	30		
Benzo[k]fluoranthene	81	80	10 - 200	2	30		
Bis(2-chloroethoxy)methane	74	69	36 - 110	8	30		
Bis(2-chloroethyl)ether	92	74	32 - 118	22	30		
Bis(2-ethylhexyl) phthalate	79	81	10 - 200	2	30		
Butyl benzyl phthalate	84	80	43 - 138	6	30		
Caprolactam	80	50	50 - 130	45	30		F
Carbazole	69	69	10 - 162	0	30		
Chrysene	70	75	10 - 200	7	30		
Dibenz(a,h)anthracene	78	75	10 - 200	4	30		
Dibenzofuran	65	65	10 - 200	1	30		
Diethyl phthalate	72	72	48 - 118	0	30		
Dimethyl phthalate	71	72	47 - 116	1	30		
Di-n-butyl phthalate	78	77	31 - 145	2	30		
Di-n-octyl phthalate	84	83	10 - 182	2	30		
Fluoranthene	78	79	10 - 200	1	30		
Fluorene	73	71	10 - 187	3	30		
Hexachlorobenzene	78	78	37 - 122	0	30		
Hexachlorobutadiene	74	64	30 - 110	15	30		
Hexachlorocyclopentadiene	0	10	10 - 110	NC	30	F	J
Hexachloroethane	80	70	13 - 110	13	30		
Indeno[1,2,3-cd]pyrene	75	75	10 - 200	1	30		
Isophorone	69	64	32 - 129	9	30		
Naphthalene	71	63	10 - 200	11	30		
Nitrobenzene	74	71	33 - 111	5	30		
N-Nitrosodi-n-propylamine	77	66	30 - 121	16	30		
N-Nitrosodiphenylamine	68	70	10 - 169	2	30		
Pentachlorophenol	17	35	10 - 182	67	30	J	J F
Phenol	84	70	10 - 144	18	30		
Phenanthrene	72	76	10 - 200	5	30		
Pyrene	72	71	10 - 200	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16114

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-3692-6	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6BS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	09/27/2011 1520			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-6	Analysis Batch:	240-16875	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-16114	Lab File ID:	3692E6CD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.10 g
Analysis Date:	09/27/2011 1539			Final Weight/Volume:	2 mL
Prep Date:	09/21/2011 0846			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	72	67	27 - 116	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	61	34 - 110
2-Fluorophenol (Surr)	82	75	26 - 110
2,4,6-Tribromophenol (Surr)	46	62	10 - 118
Nitrobenzene-d5 (Surr)	69	60	24 - 112
Phenol-d5 (Surr)	81	68	28 - 110
Terphenyl-d14 (Surr)	86	88	41 - 119

Method Blank - Batch: 240-18046 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-18046/23-A	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/07/2011 1242	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-18046

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-18046/23-A	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/07/2011 1242	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	70	34 - 110
2-Fluorophenol (Surr)	77	26 - 110
2,4,6-Tribromophenol (Surr)	77	10 - 118
Nitrobenzene-d5 (Surr)	63	24 - 112
Phenol-d5 (Surr)	77	28 - 110
Terphenyl-d14 (Surr)	92	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-18046

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-18046/24-A	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/07/2011 1301	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	519	78	50 - 130	
2,2'-oxybis[1-chloropropane]	667	479	72	36 - 116	
2,4,5-Trichlorophenol	667	570	85	42 - 110	
2,4,6-Trichlorophenol	667	549	82	37 - 110	
2,4-Dichlorophenol	667	555	83	40 - 110	
2,4-Dimethylphenol	667	461	69	28 - 110	
2,4-Dinitrophenol	667	368	55	10 - 110	J
2,4-Dinitrotoluene	667	560	84	55 - 116	
2,6-Dinitrotoluene	667	567	85	54 - 115	
2-Chloronaphthalene	667	495	74	46 - 110	
2-Chlorophenol	667	507	76	39 - 110	
2-Methylnaphthalene	667	513	77	46 - 110	
2-Methylphenol	667	515	77	36 - 110	
2-Nitroaniline	667	525	79	47 - 124	J
2-Nitrophenol	667	498	75	35 - 110	
3,3'-Dichlorobenzidine	667	451	68	31 - 110	J
3-Nitroaniline	667	499	75	44 - 110	J
4,6-Dinitro-2-methylphenol	667	532	80	21 - 110	J
4-Bromophenyl phenyl ether	667	539	81	53 - 112	
4-Chloro-3-methylphenol	667	541	81	42 - 110	
4-Chloroaniline	667	485	73	25 - 110	
4-Chlorophenyl phenyl ether	667	526	79	53 - 110	
4-Nitroaniline	667	551	83	50 - 110	J
4-Nitrophenol	667	563	84	24 - 117	J
Acenaphthene	667	505	76	46 - 110	
Acenaphthylene	667	497	75	47 - 110	
Acetophenone	667	499	75	50 - 130	
Anthracene	667	554	83	56 - 111	
Atrazine	667	627	94	50 - 130	
Benzaldehyde	667	505	76	10 - 130	
Benzo[a]anthracene	667	579	87	58 - 111	
Benzo[a]pyrene	667	506	76	44 - 115	
Benzo[b]fluoranthene	667	639	96	43 - 124	
Benzo[g,h,i]perylene	667	591	89	44 - 120	
Benzo[k]fluoranthene	667	491	74	38 - 122	
Bis(2-chloroethoxy)methane	667	487	73	42 - 110	
Bis(2-chloroethyl)ether	667	485	73	41 - 110	
Bis(2-ethylhexyl) phthalate	667	597	89	56 - 123	
Butyl benzyl phthalate	667	567	85	57 - 121	
Caprolactam	667	565	85	50 - 130	
Carbazole	667	551	83	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-18046

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-18046/24-A	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/07/2011 1301	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	553	83	56 - 111	
Dibenz(a,h)anthracene	667	569	85	45 - 122	
Dibenzofuran	667	505	76	50 - 110	
Diethyl phthalate	667	545	82	55 - 114	
Dimethyl phthalate	667	539	81	54 - 112	
Di-n-butyl phthalate	667	567	85	57 - 119	
Di-n-octyl phthalate	667	583	87	45 - 123	
Fluoranthene	667	562	84	55 - 118	
Fluorene	667	523	78	51 - 110	
Hexachlorobenzene	667	545	82	51 - 110	
Hexachlorobutadiene	667	489	73	39 - 110	
Hexachlorocyclopentadiene	667	447	67	10 - 110	J
Hexachloroethane	667	488	73	38 - 110	
Indeno[1,2,3-cd]pyrene	667	561	84	45 - 121	
Isophorone	667	469	70	46 - 117	
Naphthalene	667	489	73	42 - 110	
Nitrobenzene	667	473	71	40 - 110	
N-Nitrosodi-n-propylamine	667	494	74	40 - 114	
N-Nitrosodiphenylamine	667	523	78	54 - 112	
Pentachlorophenol	667	529	79	10 - 110	
Phenol	667	521	78	39 - 110	
Phenanthrene	667	544	82	54 - 110	
Pyrene	667	544	82	58 - 113	
3 & 4 Methylphenol	1330	1040	78	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	34 - 110
2-Fluorophenol (Surr)	79	26 - 110
2,4,6-Tribromophenol (Surr)	81	10 - 118
Nitrobenzene-d5 (Surr)	72	24 - 112
Phenol-d5 (Surr)	80	28 - 110
Terphenyl-d14 (Surr)	92	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18046

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-4269-S-1-B MS	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	10/07/2011 1738			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-4269-S-1-C MSD	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	10/07/2011 1756			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	70	67	50 - 130	3	30		
2,2'-oxybis[1-chloropropane]	47	59	25 - 124	22	30	J	
2,4,5-Trichlorophenol	83	90	32 - 112	7	30		
2,4,6-Trichlorophenol	55	56	22 - 110	2	30		
2,4-Dichlorophenol	77	81	33 - 110	4	30		
2,4-Dimethylphenol	64	64	19 - 114	1	30		
2,4-Dinitrophenol	37	18	10 - 110	69	30	J	J F
2,4-Dinitrotoluene	76	77	42 - 118	2	30		
2,6-Dinitrotoluene	75	77	28 - 137	2	30		
2-Chloronaphthalene	66	63	40 - 110	4	30		
2-Chlorophenol	59	67	32 - 110	14	30		
2-Methylnaphthalene	72	71	10 - 200	2	30		
2-Methylphenol	92	101	19 - 124	9	30		
2-Nitroaniline	72	76	31 - 141	4	30	J	J
2-Nitrophenol	56	62	17 - 110	10	30		
3,3'-Dichlorobenzidine	12	16	10 - 110	25	30	J	J
3-Nitroaniline	58	60	24 - 110	4	30	J	J
4,6-Dinitro-2-methylphenol	51	35	10 - 110	38	30	J	J F
4-Bromophenyl phenyl ether	72	76	44 - 120	6	30		
4-Chloro-3-methylphenol	77	81	32 - 117	5	30		
4-Chloroaniline	52	63	11 - 110	19	30		
4-Chlorophenyl phenyl ether	73	76	47 - 116	5	30		
4-Nitroaniline	66	74	23 - 124	11	30	J	J
4-Nitrophenol	58	73	10 - 125	22	30	J	J
Acenaphthene	67	67	10 - 200	0	30		
Acenaphthylene	67	67	10 - 200	1	30		
Acetophenone	55	65	50 - 130	17	30		
Anthracene	74	80	10 - 200	8	30		
Atrazine	74	86	50 - 130	15	30		
Benzaldehyde	47	62	10 - 130	27	30	J	
Benzo[a]anthracene	75	81	10 - 200	8	30		
Benzo[a]pyrene	68	74	10 - 200	9	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18046

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-4269-S-1-B MS	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	10/07/2011 1738			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-4269-S-1-C MSD	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	10/07/2011 1756			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	70	87	10 - 200	20	30		
Benzo[g,h,i]perylene	75	80	10 - 200	6	30		
Benzo[k]fluoranthene	77	80	10 - 200	4	30		
Bis(2-chloroethoxy)methane	57	62	36 - 110	8	30		
Bis(2-chloroethyl)ether	56	69	32 - 118	20	30		
Bis(2-ethylhexyl) phthalate	76	83	10 - 200	8	30		
Butyl benzyl phthalate	73	80	43 - 138	8	30		
Caprolactam	82	82	50 - 130	1	30		
Carbazole	72	77	10 - 162	6	30		
Chrysene	75	85	10 - 200	12	30		
Dibenz(a,h)anthracene	72	78	10 - 200	8	30		
Dibenzofuran	67	71	10 - 200	4	30		
Diethyl phthalate	73	75	48 - 118	2	30		
Dimethyl phthalate	70	73	47 - 116	4	30		
Di-n-butyl phthalate	70	74	31 - 145	6	30		
Di-n-octyl phthalate	84	90	10 - 182	7	30		
Fluoranthene	72	80	10 - 200	11	30		
Fluorene	74	76	10 - 187	3	30		
Hexachlorobenzene	73	73	37 - 122	0	30		
Hexachlorobutadiene	56	60	30 - 110	7	30		
Hexachlorocyclopentadiene	0	0	10 - 110	NC	30	F	F
Hexachloroethane	43	49	13 - 110	12	30	J	J
Indeno[1,2,3-cd]pyrene	72	77	10 - 200	6	30		
Isophorone	55	58	32 - 129	7	30		
Naphthalene	57	59	10 - 200	4	30		
Nitrobenzene	53	56	33 - 111	6	30		
N-Nitrosodi-n-propylamine	49	58	30 - 121	16	30	J	
N-Nitrosodiphenylamine	69	71	10 - 169	3	30		
Pentachlorophenol	43	50	10 - 182	14	30	J	
Phenol	59	63	10 - 144	6	30		
Phenanthrene	71	73	10 - 200	2	30		
Pyrene	76	84	10 - 200	9	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18046

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-4269-S-1-B MS	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	10/07/2011 1738			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-4269-S-1-C MSD	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	10/07/2011 1756			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	59	65	27 - 116	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	60	34 - 110
2-Fluorophenol (Surr)	60	69	26 - 110
2,4,6-Tribromophenol (Surr)	57	61	10 - 118
Nitrobenzene-d5 (Surr)	51	53	24 - 112
Phenol-d5 (Surr)	65	71	28 - 110
Terphenyl-d14 (Surr)	80	87	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18046

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-4331-R-1-E MS	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	10/07/2011 2118			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-4331-R-1-F MSD	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	10/07/2011 2136			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	74	72	50 - 130	2	30		
2,2'-oxybis[1-chloropropane]	50	56	25 - 124	10	30		
2,4,5-Trichlorophenol	83	79	32 - 112	6	30		
2,4,6-Trichlorophenol	69	61	22 - 110	12	30		
2,4-Dichlorophenol	79	87	33 - 110	11	30		
2,4-Dimethylphenol	48	63	19 - 114	27	30	J	
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
2,4-Dinitrotoluene	74	71	42 - 118	4	30		
2,6-Dinitrotoluene	73	70	28 - 137	5	30		
2-Chloronaphthalene	66	64	40 - 110	3	30		
2-Chlorophenol	59	62	32 - 110	4	30		
2-Methylnaphthalene	111	155	10 - 200	29	30		
2-Methylphenol	65	64	19 - 124	2	30		
2-Nitroaniline	83	82	31 - 141	1	30	J	J
2-Nitrophenol	54	64	17 - 110	17	30		
3,3'-Dichlorobenzidine	0	0	10 - 110	NC	30	F	F
3-Nitroaniline	46	43	24 - 110	7	30	J	J
4,6-Dinitro-2-methylphenol	0	0	10 - 110	NC	30	F	F
4-Bromophenyl phenyl ether	76	75	44 - 120	1	30		
4-Chloro-3-methylphenol	73	89	32 - 117	19	30		
4-Chloroaniline	45	49	11 - 110	9	30	J	J
4-Chlorophenyl phenyl ether	76	71	47 - 116	6	30		
4-Nitroaniline	63	59	23 - 124	8	30	J	J
4-Nitrophenol	67	61	10 - 125	11	30	J	J
Acenaphthene	74	73	10 - 200	1	30		
Acenaphthylene	74	73	10 - 200	3	30		
Acetophenone	60	69	50 - 130	12	30		
Anthracene	86	87	10 - 200	1	30		
Atrazine	83	82	50 - 130	0	30		
Benzaldehyde	53	63	10 - 130	16	30		
Benzo[a]anthracene	96	91	10 - 200	5	30		
Benzo[a]pyrene	83	77	10 - 200	6	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18046

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-4331-R-1-E MS	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	10/07/2011 2118			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-4331-R-1-F MSD	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	10/07/2011 2136			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	114	119	10 - 200	3	30		
Benzo[g,h,i]perylene	78	82	10 - 200	4	30		
Benzo[k]fluoranthene	90	79	10 - 200	11	30		
Bis(2-chloroethoxy)methane	53	63	36 - 110	18	30		
Bis(2-chloroethyl)ether	63	64	32 - 118	1	30		
Bis(2-ethylhexyl) phthalate	87	89	10 - 200	2	30		
Butyl benzyl phthalate	80	81	43 - 138	1	30		
Caprolactam	67	75	50 - 130	10	30		
Carbazole	75	77	10 - 162	3	30		
Chrysene	108	91	10 - 200	14	30		
Dibenz(a,h)anthracene	69	68	10 - 200	1	30		
Dibenzofuran	81	85	10 - 200	4	30		
Diethyl phthalate	77	73	48 - 118	6	30		
Dimethyl phthalate	81	81	47 - 116	0	30		
Di-n-butyl phthalate	75	73	31 - 145	3	30		
Di-n-octyl phthalate	87	88	10 - 182	2	30		
Fluoranthene	120	116	10 - 200	3	30		
Fluorene	76	75	10 - 187	2	30		
Hexachlorobenzene	75	73	37 - 122	3	30		
Hexachlorobutadiene	54	65	30 - 110	18	30		
Hexachlorocyclopentadiene	0	0	10 - 110	NC	30	F	F
Hexachloroethane	42	50	13 - 110	18	30	J	
Indeno[1,2,3-cd]pyrene	74	76	10 - 200	1	30		
Isophorone	51	58	32 - 129	12	30		
Naphthalene	73	102	10 - 200	30	30		
Nitrobenzene	48	58	33 - 111	19	30	J	
N-Nitrosodi-n-propylamine	50	54	30 - 121	7	30		
N-Nitrosodiphenylamine	84	89	10 - 169	5	30		
Pentachlorophenol	41	40	10 - 182	2	30	J	J
Phenol	55	57	10 - 144	3	30		
Phenanthrene	112	137	10 - 200	15	30		
Pyrene	119	110	10 - 200	6	30		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-18046

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-4331-R-1-E MS	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	10/07/2011 2118			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-4331-R-1-F MSD	Analysis Batch:	240-18342	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-18046	Lab File ID:	1007033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.02 g
Analysis Date:	10/07/2011 2136			Final Weight/Volume:	2 mL
Prep Date:	10/05/2011 1217			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	58	59	27 - 116	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	65	34 - 110
2-Fluorophenol (Surr)	60	62	26 - 110
2,4,6-Tribromophenol (Surr)	63	59	10 - 118
Nitrobenzene-d5 (Surr)	44	53	24 - 112
Phenol-d5 (Surr)	61	63	28 - 110
Terphenyl-d14 (Surr)	80	86	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-16655

Method: WI-GRO
Preparation: 5035

Lab Sample ID:	MB 240-16655/1-A	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092606.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/26/2011 1312	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-16655

Method: WI-GRO
Preparation: 5035

LCS Lab Sample ID:	LCS 240-16655/2-A	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092607.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/26/2011 1353	Units:	mg/Kg	Final Weight/Volume:	11 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-16655/3-A	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092627.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	09/27/2011 0304	Units:	mg/Kg	Final Weight/Volume:	11 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	107	107	80 - 120	1	20	J	J

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16655

Method: WI-GRO
Preparation: 5035

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092609.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	11.128 g
Analysis Date:	09/26/2011 1515			Final Weight/Volume:	12.1 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-16677	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-16655	Lab File ID:	YF092610.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	11.496 g
Analysis Date:	09/26/2011 1558			Final Weight/Volume:	12.5 mL
Prep Date:	09/26/2011 0822			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	-20763	-14068	80 - 120	22	20	4	4 F

Method Blank - Batch: 240-16128 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-16128/20-A	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/23/2011 1504	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	87	29 - 151
DCB Decachlorobiphenyl	93	14 - 163

Lab Control Sample - Batch: 240-16128 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-16128/19-A	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/23/2011 1448	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	305	91	62 - 120	
Aroclor-1260	333	325	97	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	100	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-16128

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-3807-E-3-C MS	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.92 g
Analysis Date:	09/23/2011 1417			Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-3807-E-3-D MSD	Analysis Batch:	240-16423	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-16128	Lab File ID:	P4000025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.95 g
Analysis Date:	09/23/2011 1432			Final Weight/Volume:	10 mL
Prep Date:	09/21/2011 0938			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	10	75	22 - 157	154	30	J F	F
Aroclor-1260	8	71	13 - 161	159	30	J F	F

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	8	X	72	29 - 151
DCB Decachlorobiphenyl	10	X	79	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-14900

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-14900/12-A	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-14900	Lab File ID:	P14R0000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/15/2011 2208	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-14900

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-14900/10-A	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-14900	Lab File ID:	P14R0000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/15/2011 2232	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-14900/11-A	Analysis Batch:	240-15534	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-14900	Lab File ID:	P14R0000034.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	09/16/2011 0232	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	73	56	70 - 120	27	20		*

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-14900

Method: WI-DRO
Preparation: WI DRO PREP

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-15817	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-14900	Lab File ID:	P14R0000017.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	28.62 g
Analysis Date:	09/19/2011 1844			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-15817	Instrument ID:	A2HP14R
Client Matrix:	Solid	Prep Batch:	240-14900	Lab File ID:	P14R0000018.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	29.06 g
Analysis Date:	09/19/2011 1908			Final Weight/Volume:	1 mL
Prep Date:	09/10/2011 1030			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	14358	9366	60 - 130	22	25	4	4

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-15306

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-15306/1-A	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2011 1358	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	14.3	J	9.6	20
Antimony	ND		0.39	1.0
Barium	0.125	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	38.8	J	16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	13.0		4.9	10
Potassium	16.0	J	6.2	500
Magnesium	ND		5.1	500
Manganese	0.170	J	0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Lab Control Sample - Batch: 240-15306 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	LCS 240-15306/2-A	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2011 1405	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	186	93	80 - 120	
Antimony	50.0	42.3	85	80 - 120	
Barium	200	177	89	80 - 120	
Beryllium	5.00	4.38	88	80 - 120	
Calcium	5000	4110	82	80 - 120	
Cadmium	5.00	4.52	90	80 - 120	
Cobalt	50.0	43.3	87	80 - 120	
Chromium	20.0	17.5	88	80 - 120	
Copper	25.0	22.1	89	80 - 120	
Iron	100	93.5	93	80 - 120	
Magnesium	5000	4270	85	80 - 120	
Manganese	50.0	44.3	89	80 - 120	
Silver	5.00	4.46	89	80 - 120	
Sodium	5000	4340	87	80 - 120	
Nickel	50.0	43.9	88	80 - 120	
Vanadium	50.0	43.3	87	80 - 120	
Zinc	50.0	45.6	91	80 - 120	
Arsenic	200	175	88	80 - 120	
Lead	50.0	45.0	90	80 - 120	
Selenium	200	176	88	80 - 120	
Thallium	200	176	88	80 - 120	

Lab Control Sample - Batch: 240-15306 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	LCS 240-15306/2-A	Analysis Batch:	240-15786	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-15306	Lab File ID:	I50916A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/16/2011 1219	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Potassium	5000	4470	89	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15306

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	09/15/2011 1423			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-15613	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-15306	Lab File ID:	I60915B
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	09/15/2011 1429			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1012				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	833	670	75 - 125	8	20	4	4
Antimony	59	65	75 - 125	7	20	F	F
Barium	-181	-118	75 - 125	21	20	4	4 F
Beryllium	95	85	75 - 125	10	20		
Calcium	107	43	75 - 125	18	20		F
Cadmium	87	86	75 - 125	1	20		
Cobalt	94	85	75 - 125	11	20		
Chromium	79	84	75 - 125	3	20		
Copper	-120	-125	75 - 125	4	20	F	F
Iron	648	840	75 - 125	3	20	4	4
Potassium	85	79	75 - 125	7	20		
Magnesium	96	71	75 - 125	16	20		F
Manganese	169	107	75 - 125	14	20	F	
Silver	93	86	75 - 125	8	20		
Sodium	92	84	75 - 125	10	20		
Nickel	96	85	75 - 125	10	20		
Vanadium	98	87	75 - 125	10	20		
Zinc	-308	-214	75 - 125	23	20	4	4 F
Arsenic	93	85	75 - 125	9	20		
Lead	-571	-132	75 - 125	31	20	4	4 F
Selenium	91	82	75 - 125	10	20		
Thallium	90	82	75 - 125	9	20		

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Method Blank - Batch: 240-15312

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-15312/1-A	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15312	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/14/2011 1807	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-15312

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-15312/2-A	Analysis Batch:	240-15322	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15312	Lab File ID:	HG10914A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/14/2011 1808	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.851	102	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-15312

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-3692-1	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	09/16/2011 1302			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				
Leach Date:	N/A				

MSD Lab Sample ID:	240-3692-1	Analysis Batch:	240-15700	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-15312	Lab File ID:	HG10916C.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	09/16/2011 1303			Final Weight/Volume:	100 mL
Prep Date:	09/14/2011 1420				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	-129	1265	11 - 192	37	20	4	4 F

Client: ARCADIS U.S., Inc. Job Number: 240-3692-1

Duplicate - Batch: 240-14914

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3692-1	Analysis Batch:	240-14914	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/10/2011 1323	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	80	83	5	20	
Percent Moisture	20	17	20	20	

Duplicate - Batch: 240-14914

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-3692-4	Analysis Batch:	240-14914	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/10/2011 1323	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	84	0.6	20	
Percent Moisture	15	16	3	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-3692-1

Login Number: 3692

List Source: TestAmerica North Canton

List Number: 1

Creator: Burns, Terry

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

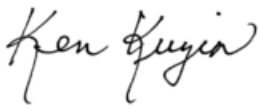
ANALYTICAL REPORT

Job Number: 240-5494-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Kenneth J Kuzior
Project Manager II
11/23/2011 4:19 PM

Designee for
Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
11/23/2011

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-5494-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/02/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2, 2.3 and 2.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-18 (240-5494-1), AMW-11 (240-5494-3), DUP-002 (240-5494-4) and TB-007(20111031) (240-5494-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/11/2011 and 11/14/2011.

1,1,2-Trichloroethane and Methylcyclohexane failed the recovery criteria high for the MS of sample DUP-002MS (240-5494-4) in batch 240-23113.

1,1,2-Trichloroethane failed the recovery criteria high for the MSD of sample DUP-002MSD (240-5494-4) in batch 240-23113.

There was an MS/MSD analyzed in batch 22911 and 23113 but they could not be reported because the associated sample needed reanalyzed in a different batch.

Samples AMW-11 (240-5494-3)[10X] and DUP-002 (240-5494-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-18 (240-5494-1), AMW-13 (240-5494-2), AMW-11 (240-5494-3) and DUP-002 (240-5494-4) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/04/2011 and analyzed on 11/08/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Dibenz(a,h)anthracene exceeded the rpd limit for the MSD of sample 240-5536-1 in batch 240-22249.

The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: AMW-13 (240-5494-2). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples AMW-18 (240-5494-1), AMW-13 (240-5494-2), AMW-11 (240-5494-3) and DUP-002 (240-5494-4) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/03/2011 and analyzed on 11/10/2011.

No difficulties were encountered during the WI-DRO analyses.

All quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples AMW-18 (240-5494-1), AMW-13 (240-5494-2), AMW-11 (240-5494-3) and DUP-002 (240-5494-4) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 11/04/2011.

Samples AMW-11 (240-5494-3)[10X] and DUP-002 (240-5494-4)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples AMW-18 (240-5494-1), AMW-13 (240-5494-2), AMW-11 (240-5494-3) and DUP-002 (240-5494-4) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/10/2011 and analyzed on 11/14/2011.

Barium was detected in method blank MB 240-22728/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Samples AMW-18 (240-5494-1), AMW-13 (240-5494-2), AMW-11 (240-5494-3) and DUP-002 (240-5494-4) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/11/2011 and analyzed on 11/15/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5494-1	**AMW-18**					
1,1-Dichloroethane		1.2		1.0	ug/L	8260B
Acetone		2.3	J	10	ug/L	8260B
Benzo[b]fluoranthene		0.25	J	10	ug/L	8270C
Fluoranthene		0.20	J	10	ug/L	8270C
Pyrene		0.14	J	10	ug/L	8270C
WI Diesel Range Organics (C10-C28)		1.0		0.10	mg/L	WI-DRO
Dissolved						
Barium		180	J B	200	ug/L	6010B
Arsenic		4.1	J	10	ug/L	6010B
240-5494-2	**AMW-13**					
WI Diesel Range Organics (C10-C28)		0.22		0.10	mg/L	WI-DRO
Dissolved						
Barium		230	B	200	ug/L	6010B
240-5494-3	**AMW-11**					
Acetone		20	J	100	ug/L	8260B
Cyclohexane		45		10	ug/L	8260B
n-Butylbenzene		5.4	J	10	ug/L	8260B
Isopropylbenzene		22		10	ug/L	8260B
N-Propylbenzene		33		10	ug/L	8260B
sec-Butylbenzene		11		10	ug/L	8260B
tert-Butylbenzene		1.7	J	10	ug/L	8260B
Methylcyclohexane		170		10	ug/L	8260B
Fluorene		0.17	J	10	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		3000		1000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		1.2		0.10	mg/L	WI-DRO
Dissolved						
Barium		200	B	200	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5494-4FD	**DUP-002**					
Acetone		15	J	100	ug/L	8260B
Cyclohexane		48		10	ug/L	8260B
n-Butylbenzene		6.1	J	10	ug/L	8260B
Isopropylbenzene		26		10	ug/L	8260B
N-Propylbenzene		35		10	ug/L	8260B
sec-Butylbenzene		13		10	ug/L	8260B
Methylcyclohexane		170		10	ug/L	8260B
Fluorene		0.22	J	9.9	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		2900		2500	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		1.6		0.10	mg/L	WI-DRO
Dissolved						
Barium		200	B	200	ug/L	6010B
240-5494-5TB	**TB-007(20111031)**					
Acetone		1.7	J	10	ug/L	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method	Analyst	Analyst ID
SW846 8260B	Williams, Larry	LW
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-5494-1	AMW-18	Water	10/31/2011 1335	11/02/2011 0915
240-5494-2	AMW-13	Water	10/31/2011 1415	11/02/2011 0915
240-5494-3	AMW-11	Water	10/31/2011 1455	11/02/2011 0915
240-5494-4FD	DUP-002	Water	10/31/2011 0000	11/02/2011 0915
240-5494-5TB	TB-007(20111031)	Water	10/31/2011 0000	11/02/2011 0915

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-18**

Lab Sample ID: 240-5494-1 Date Sampled: 10/31/2011 1335
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1133.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1544			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1544				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	1.2		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	2.3	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-18**

Lab Sample ID: 240-5494-1 Date Sampled: 10/31/2011 1335
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1133.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1544			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1544				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 117
Toluene-d8 (Surr)	102		74 - 115
Dibromofluoromethane (Surr)	103		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-11**

Lab Sample ID: 240-5494-3 Date Sampled: 10/31/2011 1455
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1131.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1459			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1459				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		2.3	10
1,1,1-Trichloroethane	ND		2.2	10
1,1,2,2-Tetrachloroethane	ND		1.8	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.8	10
1,1,2-Trichloroethane	ND		2.7	10
1,1-Dichloroethane	ND		1.5	10
1,1-Dichloroethene	ND		1.9	10
1,1-Dichloropropene	ND		1.3	10
1,2,3-Trichlorobenzene	ND		1.7	10
1,2,3-Trichloropropane	ND		4.3	10
1,2,4-Trichlorobenzene	ND		1.5	10
1,2,4-Trimethylbenzene	ND		1.2	10
1,2-Dibromo-3-Chloropropane	ND		6.7	20
1,2-Dichlorobenzene	ND		1.3	10
1,2-Dichloroethane	ND		2.2	10
1,2-Dichloropropane	ND		1.8	10
1,3,5-Trimethylbenzene	ND		0.96	10
1,3-Dichlorobenzene	ND		1.4	10
1,3-Dichloropropane	ND		1.6	10
1,4-Dichlorobenzene	ND		1.3	10
Allyl chloride	ND		3.5	20
2,2-Dichloropropane	ND		1.3	10
2-Chlorotoluene	ND		1.1	10
2-Hexanone	ND		4.1	100
Bromobenzene	ND		1.3	10
Bromochloromethane	ND		2.9	10
4-Chlorotoluene	ND		1.8	10
p-Isopropyltoluene	ND		1.2	10
Acetone	20	J	11	100
Benzene	ND		1.3	10
Bromoform	ND		6.4	10
Bromomethane	ND		4.1	10
Carbon disulfide	ND		1.3	10
Carbon tetrachloride	ND		1.3	10
Chlorobenzene	ND		1.5	10
Chloroethane	ND		2.9	10
Chloroform	ND		1.6	10
Chloromethane	ND		3.0	10
cis-1,2-Dichloroethene	ND		1.7	10
cis-1,3-Dichloropropene	ND		1.4	10
Cyclohexane	45		1.2	10
Hexachlorobutadiene	ND		3.0	10
Dibromomethane	ND		2.8	10
Bromodichloromethane	ND		1.5	10
Dichlorodifluoromethane	ND		3.1	10
Dichlorofluoromethane	ND		4.2	20

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-11**

Lab Sample ID: 240-5494-3 Date Sampled: 10/31/2011 1455
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1131.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1459			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1459				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		3.1	20
Ethylbenzene	ND		1.7	10
1,2-Dibromoethane	ND		2.4	10
Naphthalene	ND		2.4	10
m-Xylene & p-Xylene	ND		2.4	20
n-Butylbenzene	5.4	J	1.2	10
Isopropylbenzene	22		1.3	10
Methyl acetate	ND		3.8	100
N-Propylbenzene	33		1.4	10
2-Butanone (MEK)	ND		5.7	100
4-Methyl-2-pentanone (MIBK)	ND		3.2	100
sec-Butylbenzene	11		1.3	10
Methyl tert butyl ether	ND		1.7	50
Methylene Chloride	ND		3.3	10
o-Xylene	ND		1.4	10
Styrene	ND		1.1	10
tert-Butylbenzene	1.7	J	1.3	10
Tetrachloroethene	ND		2.9	10
Tetrahydrofuran	ND		4.2	50
Toluene	ND		1.3	10
trans-1,2-Dichloroethene	ND		1.9	10
trans-1,3-Dichloropropene	ND		1.9	10
Trichloroethene	ND		1.7	10
Trichlorofluoromethane	ND		2.1	10
Vinyl chloride	ND		2.2	10
Methylcyclohexane	170		1.3	10
Chlorodibromomethane	ND		1.8	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 117
Toluene-d8 (Surr)	105		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **DUP-002**

Lab Sample ID: 240-5494-4FD Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1197.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 1937			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 1937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		2.3	10
1,1,1-Trichloroethane	ND		2.2	10
1,1,2,2-Tetrachloroethane	ND		1.8	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.8	10
1,1,2-Trichloroethane	ND		2.7	10
1,1-Dichloroethane	ND		1.5	10
1,1-Dichloroethene	ND		1.9	10
1,1-Dichloropropene	ND		1.3	10
1,2,3-Trichlorobenzene	ND		1.7	10
1,2,3-Trichloropropane	ND		4.3	10
1,2,4-Trichlorobenzene	ND		1.5	10
1,2,4-Trimethylbenzene	ND		1.2	10
1,2-Dibromo-3-Chloropropane	ND		6.7	20
1,2-Dichlorobenzene	ND		1.3	10
1,2-Dichloroethane	ND		2.2	10
1,2-Dichloropropane	ND		1.8	10
1,3,5-Trimethylbenzene	ND		0.96	10
1,3-Dichlorobenzene	ND		1.4	10
1,3-Dichloropropane	ND		1.6	10
1,4-Dichlorobenzene	ND		1.3	10
Allyl chloride	ND		3.5	20
2,2-Dichloropropane	ND		1.3	10
2-Chlorotoluene	ND		1.1	10
2-Hexanone	ND		4.1	100
Bromobenzene	ND		1.3	10
Bromochloromethane	ND		2.9	10
4-Chlorotoluene	ND		1.8	10
p-Isopropyltoluene	ND		1.2	10
Acetone	15	J	11	100
Benzene	ND		1.3	10
Bromoform	ND		6.4	10
Bromomethane	ND		4.1	10
Carbon disulfide	ND		1.3	10
Carbon tetrachloride	ND		1.3	10
Chlorobenzene	ND		1.5	10
Chloroethane	ND		2.9	10
Chloroform	ND		1.6	10
Chloromethane	ND		3.0	10
cis-1,2-Dichloroethene	ND		1.7	10
cis-1,3-Dichloropropene	ND		1.4	10
Cyclohexane	48		1.2	10
Hexachlorobutadiene	ND		3.0	10
Dibromomethane	ND		2.8	10
Bromodichloromethane	ND		1.5	10
Dichlorodifluoromethane	ND		3.1	10
Dichlorofluoromethane	ND		4.2	20

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **DUP-002**

Lab Sample ID: 240-5494-4FD Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1197.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 1937			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 1937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		3.1	20
Ethylbenzene	ND		1.7	10
1,2-Dibromoethane	ND		2.4	10
Naphthalene	ND		2.4	10
m-Xylene & p-Xylene	ND		2.4	20
n-Butylbenzene	6.1	J	1.2	10
Isopropylbenzene	26		1.3	10
Methyl acetate	ND		3.8	100
N-Propylbenzene	35		1.4	10
2-Butanone (MEK)	ND		5.7	100
4-Methyl-2-pentanone (MIBK)	ND		3.2	100
sec-Butylbenzene	13		1.3	10
Methyl tert butyl ether	ND		1.7	50
Methylene Chloride	ND		3.3	10
o-Xylene	ND		1.4	10
Styrene	ND		1.1	10
tert-Butylbenzene	ND		1.3	10
Tetrachloroethene	ND		2.9	10
Tetrahydrofuran	ND		4.2	50
Toluene	ND		1.3	10
trans-1,2-Dichloroethene	ND		1.9	10
trans-1,3-Dichloropropene	ND		1.9	10
Trichloroethene	ND		1.7	10
Trichlorofluoromethane	ND		2.1	10
Vinyl chloride	ND		2.2	10
Methylcyclohexane	170		1.3	10
Chlorodibromomethane	ND		1.8	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		63 - 129
4-Bromofluorobenzene (Surr)	104		66 - 117
Toluene-d8 (Surr)	112		74 - 115
Dibromofluoromethane (Surr)	95		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **TB-007(20111031)**

Lab Sample ID: 240-5494-5TB Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1134.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1607			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1607				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	1.7	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **TB-007(20111031)**

Lab Sample ID: 240-5494-5TB Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1134.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1607			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1607				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		63 - 129
4-Bromofluorobenzene (Surr)	91		66 - 117
Toluene-d8 (Surr)	102		74 - 115
Dibromofluoromethane (Surr)	102		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-18**

Lab Sample ID: 240-5494-1 Date Sampled: 10/31/2011 1335
Client Matrix: Water Date Received: 11/02/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-21918	Lab File ID:	1108032.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/08/2011 1625			Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	0.25	J	0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	0.20	J	0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	0.14	J	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		28 - 110
2-Fluorophenol (Surr)	54		10 - 110
2,4,6-Tribromophenol (Surr)	62		22 - 120
Nitrobenzene-d5 (Surr)	43		27 - 111
Phenol-d5 (Surr)	51		10 - 110
Terphenyl-d14 (Surr)	37		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-13**

Lab Sample ID: 240-5494-2 Date Sampled: 10/31/2011 1415
Client Matrix: Water Date Received: 11/02/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-21918	Lab File ID:	1108033.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/08/2011 1641			Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.21
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	45		28 - 110
2-Fluorophenol (Surr)	52		10 - 110
2,4,6-Tribromophenol (Surr)	55		22 - 120
Nitrobenzene-d5 (Surr)	39		27 - 111
Phenol-d5 (Surr)	49		10 - 110
Terphenyl-d14 (Surr)	33	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-11**

Lab Sample ID: 240-5494-3 Date Sampled: 10/31/2011 1455
Client Matrix: Water Date Received: 11/02/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-21918	Lab File ID:	1108034.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/08/2011 1658			Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	0.17	J	0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	53		28 - 110
2-Fluorophenol (Surr)	62		10 - 110
2,4,6-Tribromophenol (Surr)	63		22 - 120
Nitrobenzene-d5 (Surr)	54		27 - 111
Phenol-d5 (Surr)	57		10 - 110
Terphenyl-d14 (Surr)	49		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **DUP-002**

Lab Sample ID: 240-5494-4FD Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-21918	Lab File ID:	1108035.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	11/08/2011 1715			Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.099	9.9
Acenaphthylene	ND		0.099	9.9
Anthracene	ND		0.099	9.9
Benzo[a]anthracene	ND		0.099	0.20
Benzo[b]fluoranthene	ND		0.099	9.9
Benzo[k]fluoranthene	ND		0.099	9.9
Benzo[g,h,i]perylene	ND		0.099	9.9
Benzo[a]pyrene	ND		0.099	9.9
Chrysene	ND		0.099	9.9
2-Methylnaphthalene	ND		0.099	9.9
Dibenz(a,h)anthracene	ND		0.099	9.9
Fluoranthene	ND		0.099	9.9
Fluorene	0.22	J	0.099	9.9
Indeno[1,2,3-cd]pyrene	ND		0.099	9.9
Naphthalene	ND		0.099	9.9
Phenanthrene	ND		0.099	9.9
Pyrene	ND		0.099	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		28 - 110
2-Fluorophenol (Surr)	64		10 - 110
2,4,6-Tribromophenol (Surr)	69		22 - 120
Nitrobenzene-d5 (Surr)	61		27 - 111
Phenol-d5 (Surr)	61		10 - 110
Terphenyl-d14 (Surr)	72		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-18**

Lab Sample ID: 240-5494-1 Date Sampled: 10/31/2011 1335
Client Matrix: Water Date Received: 11/02/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-21942	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF110408.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1425			Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1425			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-13**

Lab Sample ID: 240-5494-2 Date Sampled: 10/31/2011 1415
Client Matrix: Water Date Received: 11/02/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-21942	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF110409.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1505			Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1505			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-11**

Lab Sample ID: 240-5494-3 Date Sampled: 10/31/2011 1455
Client Matrix: Water Date Received: 11/02/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-21942	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF110410.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1542			Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1542			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	3000		260	1000

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **DUP-002**

Lab Sample ID: 240-5494-4FD Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-21942	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF110411.D
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1621			Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1621			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	2900		650	2500

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-18**

Lab Sample ID: 240-5494-1 Date Sampled: 10/31/2011 1335
Client Matrix: Water Date Received: 11/02/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-21712	Lab File ID:	P6B11007.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/10/2011 1234			Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	1.0		0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-13**

Lab Sample ID: 240-5494-2 Date Sampled: 10/31/2011 1415
Client Matrix: Water Date Received: 11/02/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-21712	Lab File ID:	P6B11008.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/10/2011 1305			Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.22		0.017	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-11**

Lab Sample ID: 240-5494-3 Date Sampled: 10/31/2011 1455
Client Matrix: Water Date Received: 11/02/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-21712	Lab File ID:	P6B11009.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/10/2011 1336			Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	1.2		0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **DUP-002**

Lab Sample ID: 240-5494-4FD Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-21712	Lab File ID:	P6B11010.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/10/2011 1407			Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	1.6		0.017	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-18**

Lab Sample ID: 240-5494-1 Date Sampled: 10/31/2011 1335
Client Matrix: Water Date Received: 11/02/2011 0915

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23317	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1843			Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	180	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	4.1	J	3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1640			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-13**

Lab Sample ID: 240-5494-2 Date Sampled: 10/31/2011 1415
Client Matrix: Water Date Received: 11/02/2011 0915

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23317	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1919			Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	230	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1641			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **AMW-11**

Lab Sample ID: 240-5494-3 Date Sampled: 10/31/2011 1455
Client Matrix: Water Date Received: 11/02/2011 0915

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23317	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1925			Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	200	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1643			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Client Sample ID: **DUP-002**

Lab Sample ID: 240-5494-4FD Date Sampled: 10/31/2011 0000
Client Matrix: Water Date Received: 11/02/2011 0915

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23317	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1932			Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	200	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1644			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-22911					
LCS 240-22911/4	Lab Control Sample	T	Water	8260B	
MB 240-22911/5	Method Blank	T	Water	8260B	
240-5494-1	AMW-18	T	Water	8260B	
240-5494-3	AMW-11	T	Water	8260B	
240-5494-5TB	TB-007(20111031)	T	Water	8260B	
Analysis Batch:240-23113					
LCS 240-23113/4	Lab Control Sample	T	Water	8260B	
MB 240-23113/5	Method Blank	T	Water	8260B	
240-5494-4FD	DUP-002	T	Water	8260B	
240-5494-4MS	Matrix Spike	T	Water	8260B	
240-5494-4MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-21918					
LCS 240-21918/2-A	Lab Control Sample	T	Water	3520C	
MB 240-21918/1-A	Method Blank	T	Water	3520C	
240-5494-1	AMW-18	T	Water	3520C	
240-5494-2	AMW-13	T	Water	3520C	
240-5494-3	AMW-11	T	Water	3520C	
240-5494-4FD	DUP-002	T	Water	3520C	
240-5536-N-1-A MS	Matrix Spike	T	Water	3520C	
240-5536-N-1-B MSD	Matrix Spike Duplicate	T	Water	3520C	
Analysis Batch:240-22249					
LCS 240-21918/2-A	Lab Control Sample	T	Water	8270C	240-21918
MB 240-21918/1-A	Method Blank	T	Water	8270C	240-21918
240-5494-1	AMW-18	T	Water	8270C	240-21918
240-5494-2	AMW-13	T	Water	8270C	240-21918
240-5494-3	AMW-11	T	Water	8270C	240-21918
240-5494-4FD	DUP-002	T	Water	8270C	240-21918
240-5536-N-1-A MS	Matrix Spike	T	Water	8270C	240-21918
240-5536-N-1-B MSD	Matrix Spike Duplicate	T	Water	8270C	240-21918

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-21942					
LCS 240-21942/7	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-21942/12	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-21942/6	Method Blank	T	Water	WI-GRO	
240-5494-1	AMW-18	T	Water	WI-GRO	
240-5494-2	AMW-13	T	Water	WI-GRO	
240-5494-3	AMW-11	T	Water	WI-GRO	
240-5494-4FD	DUP-002	T	Water	WI-GRO	

Report Basis
T = Total

GC Semi VOA					
Prep Batch: 240-21712					
LCS 240-21712/2-A	Lab Control Sample	T	Water	3510C	
LCSD 240-21712/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-21712/1-A	Method Blank	T	Water	3510C	
240-5494-1	AMW-18	T	Water	3510C	
240-5494-2	AMW-13	T	Water	3510C	
240-5494-3	AMW-11	T	Water	3510C	
240-5494-4FD	DUP-002	T	Water	3510C	
Analysis Batch:240-22694					
LCS 240-21712/2-A	Lab Control Sample	T	Water	WI-DRO	240-21712
LCSD 240-21712/3-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-21712
MB 240-21712/1-A	Method Blank	T	Water	WI-DRO	240-21712
240-5494-1	AMW-18	T	Water	WI-DRO	240-21712
240-5494-2	AMW-13	T	Water	WI-DRO	240-21712
240-5494-3	AMW-11	T	Water	WI-DRO	240-21712
240-5494-4FD	DUP-002	T	Water	WI-DRO	240-21712

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-22728					
LCS 240-22728/2-A	Lab Control Sample	R	Water	3005A	
MB 240-22728/1-A	Method Blank	R	Water	3005A	
240-5494-1	AMW-18	D	Water	3005A	
240-5494-1MS	Matrix Spike	D	Water	3005A	
240-5494-1MSD	Matrix Spike Duplicate	D	Water	3005A	
240-5494-2	AMW-13	D	Water	3005A	
240-5494-3	AMW-11	D	Water	3005A	
240-5494-4FD	DUP-002	D	Water	3005A	
Prep Batch: 240-22836					
LCS 240-22836/2-A	Lab Control Sample	T	Water	7470A	
MB 240-22836/1-A	Method Blank	T	Water	7470A	
240-5494-1	AMW-18	D	Water	7470A	
240-5494-2	AMW-13	D	Water	7470A	
240-5494-3	AMW-11	D	Water	7470A	
240-5494-4FD	DUP-002	D	Water	7470A	
240-5690-R-3-B MS	Matrix Spike	D	Water	7470A	
240-5690-R-3-C MSD	Matrix Spike Duplicate	D	Water	7470A	
Analysis Batch:240-23317					
LCS 240-22728/2-A	Lab Control Sample	R	Water	6010B	240-22728
MB 240-22728/1-A	Method Blank	R	Water	6010B	240-22728
240-5494-1	AMW-18	D	Water	6010B	240-22728
240-5494-1MS	Matrix Spike	D	Water	6010B	240-22728
240-5494-1MSD	Matrix Spike Duplicate	D	Water	6010B	240-22728
240-5494-2	AMW-13	D	Water	6010B	240-22728
240-5494-3	AMW-11	D	Water	6010B	240-22728
240-5494-4FD	DUP-002	D	Water	6010B	240-22728
Analysis Batch:240-23405					
LCS 240-22836/2-A	Lab Control Sample	T	Water	7470A	240-22836
MB 240-22836/1-A	Method Blank	T	Water	7470A	240-22836
240-5494-1	AMW-18	D	Water	7470A	240-22836
240-5494-2	AMW-13	D	Water	7470A	240-22836
240-5494-3	AMW-11	D	Water	7470A	240-22836
240-5494-4FD	DUP-002	D	Water	7470A	240-22836
240-5690-R-3-B MS	Matrix Spike	D	Water	7470A	240-22836
240-5690-R-3-C MSD	Matrix Spike Duplicate	D	Water	7470A	240-22836

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-5494-1	AMW-18	116	100	102	103
240-5494-3	AMW-11	108	100	105	91
240-5494-4	DUP-002	112	104	112	95
240-5494-5	TB-007(20111031)	118	91	102	102
MB 240-22911/5		109	94	100	97
MB 240-23113/5		107	96	102	97
LCS 240-22911/4		112	110	107	101
LCS 240-23113/4		104	105	104	94
240-5494-4 MS	DUP-002 MS	107	108	111	99
240-5494-4 MSD	DUP-002 MSD	109	109	114	103

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5494-1	AMW-18	47	54	62	43	51	37
240-5494-2	AMW-13	45	52	55	39	49	33X
240-5494-3	AMW-11	53	62	63	54	57	49
240-5494-4	DUP-002	61	64	69	61	61	72
MB 240-21918/1-A		66	69	62	59	70	94
LCS 240-21918/2-A		72	79	75	62	79	92
240-5536-N-1-A MS		62	66	71	53	66	78
240-5536-N-1-B MSD		55	60	63	49	59	67

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-22911

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-22911/5	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1126.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1305				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-22911

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-22911/5	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1126.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1305				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	2.0
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	63 - 129
4-Bromofluorobenzene (Surr)	94	66 - 117
Toluene-d8 (Surr)	100	74 - 115
Dibromofluoromethane (Surr)	97	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Control Sample - Batch: 240-22911

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-22911/4	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1125.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1243	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1243				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	10.6	106	72 - 116	
1,1,1-Trichloroethane	10.0	10.2	102	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.35	94	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.2	112	74 - 151	
1,1,2-Trichloroethane	10.0	11.0	110	80 - 112	
1,1-Dichloroethane	10.0	9.59	96	82 - 115	
1,1-Dichloroethene	10.0	9.50	95	78 - 131	
1,1-Dichloropropene	10.0	9.76	98	83 - 114	
1,2,3-Trichlorobenzene	10.0	11.5	115	54 - 126	
1,2,3-Trichloropropane	10.0	10.6	106	73 - 129	
1,2,4-Trichlorobenzene	10.0	10.4	104	48 - 135	
1,2,4-Trimethylbenzene	10.0	10.3	103	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	10.5	105	42 - 136	
1,2-Dichlorobenzene	10.0	9.75	98	81 - 110	
1,2-Dichloroethane	10.0	10.8	108	71 - 127	
1,2-Dichloropropane	10.0	9.08	91	81 - 115	
1,3,5-Trimethylbenzene	10.0	10.0	100	72 - 118	
1,3-Dichlorobenzene	10.0	10.1	101	80 - 110	
1,3-Dichloropropane	10.0	10.5	105	79 - 116	
1,4-Dichlorobenzene	10.0	9.82	98	82 - 110	
2,2-Dichloropropane	10.0	10.0	100	50 - 129	
2-Chlorotoluene	10.0	9.76	98	76 - 116	
2-Hexanone	20.0	18.7	94	55 - 133	
Bromobenzene	10.0	9.94	99	76 - 115	
Bromochloromethane	10.0	9.54	95	77 - 120	
4-Chlorotoluene	10.0	9.62	96	77 - 115	
p-Isopropyltoluene	10.0	10.5	105	74 - 120	
Acetone	20.0	18.5	93	43 - 136	
Benzene	10.0	9.23	92	83 - 112	
Bromoform	10.0	11.4	114	40 - 131	
Bromomethane	10.0	4.82	48	11 - 185	
Carbon disulfide	10.0	9.43	94	62 - 142	
Carbon tetrachloride	10.0	10.7	107	66 - 128	
Chlorobenzene	10.0	9.85	99	85 - 110	
Chloroethane	10.0	4.82	48	25 - 153	
Chloroform	10.0	10.1	101	79 - 117	
Chloromethane	10.0	8.27	83	44 - 126	
cis-1,2-Dichloroethene	10.0	9.03	90	80 - 113	
cis-1,3-Dichloropropene	10.0	9.44	94	61 - 115	
Cyclohexane	10.0	8.59	86	54 - 121	
Hexachlorobutadiene	10.0	10.8	108	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Control Sample - Batch: 240-22911

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-22911/4	Analysis Batch:	240-22911	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1125.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1243	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1243				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	10.4	104	81 - 120	
Bromodichloromethane	10.0	10.3	103	72 - 121	
Dichlorodifluoromethane	10.0	8.31	83	19 - 129	
Ethyl ether	10.0	9.93	99	53 - 135	
Ethylbenzene	10.0	9.88	99	83 - 112	
1,2-Dibromoethane	10.0	10.7	107	79 - 113	
Naphthalene	10.0	10.8	108	32 - 141	
m-Xylene & p-Xylene	20.0	20.4	102	83 - 113	
n-Butylbenzene	10.0	9.86	99	66 - 125	
Isopropylbenzene	10.0	9.94	99	75 - 114	
Methyl acetate	10.0	8.52	85	58 - 131	J
N-Propylbenzene	10.0	9.68	97	74 - 121	
2-Butanone (MEK)	20.0	17.7	89	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	18.3	92	63 - 128	
sec-Butylbenzene	10.0	9.55	96	70 - 117	
Methyl tert butyl ether	10.0	9.95	100	52 - 144	
Methylene Chloride	10.0	9.03	90	66 - 131	
o-Xylene	10.0	9.95	100	83 - 113	
Styrene	10.0	10.3	103	79 - 114	
tert-Butylbenzene	10.0	10.6	106	71 - 115	
Tetrachloroethene	10.0	10.9	109	79 - 114	
Tetrahydrofuran	10.0	8.74	87	23 - 143	
Toluene	10.0	9.99	100	84 - 111	
trans-1,2-Dichloroethene	10.0	8.83	88	83 - 117	
trans-1,3-Dichloropropene	10.0	11.7	117	58 - 117	
Trichloroethene	10.0	9.32	93	76 - 117	
Trichlorofluoromethane	10.0	10.2	102	49 - 157	
Vinyl chloride	10.0	9.41	94	53 - 127	
Methylcyclohexane	10.0	8.88	89	56 - 127	
Chlorodibromomethane	10.0	11.2	112	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	63 - 129
4-Bromofluorobenzene (Surr)	110	66 - 117
Toluene-d8 (Surr)	107	74 - 115
Dibromofluoromethane (Surr)	101	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-23113

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-23113/5	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1179.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 1245	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 1245				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-23113

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-23113/5	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1179.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 1245	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 1245				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	2.0
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	63 - 129
4-Bromofluorobenzene (Surr)	96	66 - 117
Toluene-d8 (Surr)	102	74 - 115
Dibromofluoromethane (Surr)	97	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Control Sample - Batch: 240-23113

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23113/4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1178.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 1222	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 1222				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.80	98	72 - 116	
1,1,1-Trichloroethane	10.0	9.65	97	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	8.92	89	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.1	121	74 - 151	
1,1,2-Trichloroethane	10.0	10.3	103	80 - 112	
1,1-Dichloroethane	10.0	8.65	87	82 - 115	
1,1-Dichloroethene	10.0	9.33	93	78 - 131	
1,1-Dichloropropene	10.0	9.54	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	10.5	105	54 - 126	
1,2,3-Trichloropropane	10.0	9.75	98	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.76	98	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.60	96	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	11.1	111	42 - 136	
1,2-Dichlorobenzene	10.0	9.38	94	81 - 110	
1,2-Dichloroethane	10.0	10.2	102	71 - 127	
1,2-Dichloropropane	10.0	8.61	86	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.41	94	72 - 118	
1,3-Dichlorobenzene	10.0	9.30	93	80 - 110	
1,3-Dichloropropane	10.0	9.93	99	79 - 116	
1,4-Dichlorobenzene	10.0	9.17	92	82 - 110	
2,2-Dichloropropane	10.0	9.35	94	50 - 129	
2-Chlorotoluene	10.0	8.89	89	76 - 116	
2-Hexanone	20.0	20.1	101	55 - 133	
Bromobenzene	10.0	9.59	96	76 - 115	
Bromochloromethane	10.0	9.15	92	77 - 120	
4-Chlorotoluene	10.0	9.39	94	77 - 115	
p-Isopropyltoluene	10.0	9.66	97	74 - 120	
Acetone	20.0	19.2	96	43 - 136	
Benzene	10.0	8.63	86	83 - 112	
Bromoform	10.0	10.9	109	40 - 131	
Bromomethane	10.0	5.99	60	11 - 185	
Carbon disulfide	10.0	8.81	88	62 - 142	
Carbon tetrachloride	10.0	10.1	101	66 - 128	
Chlorobenzene	10.0	9.53	95	85 - 110	
Chloroethane	10.0	6.27	63	25 - 153	
Chloroform	10.0	9.41	94	79 - 117	
Chloromethane	10.0	8.10	81	44 - 126	
cis-1,2-Dichloroethene	10.0	8.88	89	80 - 113	
cis-1,3-Dichloropropene	10.0	8.78	88	61 - 115	
Cyclohexane	10.0	9.41	94	54 - 121	
Hexachlorobutadiene	10.0	9.89	99	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Control Sample - Batch: 240-23113

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23113/4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1178.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 1222	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 1222				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	10.0	100	81 - 120	
Bromodichloromethane	10.0	9.67	97	72 - 121	
Dichlorodifluoromethane	10.0	8.67	87	19 - 129	
Ethyl ether	10.0	9.98	100	53 - 135	
Ethylbenzene	10.0	9.58	96	83 - 112	
1,2-Dibromoethane	10.0	10.2	102	79 - 113	
Naphthalene	10.0	10.1	101	32 - 141	
m-Xylene & p-Xylene	20.0	19.0	95	83 - 113	
n-Butylbenzene	10.0	9.22	92	66 - 125	
Isopropylbenzene	10.0	9.48	95	75 - 114	
Methyl acetate	10.0	8.40	84	58 - 131	J
N-Propylbenzene	10.0	9.79	98	74 - 121	
2-Butanone (MEK)	20.0	18.4	92	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	18.9	95	63 - 128	
sec-Butylbenzene	10.0	9.17	92	70 - 117	
Methyl tert butyl ether	10.0	9.48	95	52 - 144	
Methylene Chloride	10.0	8.14	81	66 - 131	
o-Xylene	10.0	9.43	94	83 - 113	
Styrene	10.0	9.51	95	79 - 114	
tert-Butylbenzene	10.0	8.93	89	71 - 115	
Tetrachloroethene	10.0	10.5	105	79 - 114	
Tetrahydrofuran	10.0	9.41	94	23 - 143	
Toluene	10.0	9.52	95	84 - 111	
trans-1,2-Dichloroethene	10.0	8.79	88	83 - 117	
trans-1,3-Dichloropropene	10.0	10.6	106	58 - 117	
Trichloroethene	10.0	9.39	94	76 - 117	
Trichlorofluoromethane	10.0	10.9	109	49 - 157	
Vinyl chloride	10.0	9.12	91	53 - 127	
Methylcyclohexane	10.0	10.5	105	56 - 127	
Chlorodibromomethane	10.0	10.2	102	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	63 - 129
4-Bromofluorobenzene (Surr)	105	66 - 117
Toluene-d8 (Surr)	104	74 - 115
Dibromofluoromethane (Surr)	94	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23113

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5494-4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1202.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 2129				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5494-4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1203.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 2152			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 2152				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	99	104	64 - 118	5	30		
1,1,1-Trichloroethane	96	104	68 - 121	9	30		
1,1,2,2-Tetrachloroethane	95	99	63 - 122	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	123	104	70 - 152	17	30		
1,1,2-Trichloroethane	192	189	75 - 115	2	30	F	F
1,1-Dichloroethane	88	94	79 - 116	7	30		
1,1-Dichloroethene	91	96	74 - 135	6	30		
1,1-Dichloropropene	97	100	80 - 114	4	30		
1,2,3-Trichlorobenzene	109	118	45 - 129	8	30		
1,2,3-Trichloropropane	105	105	67 - 132	0	30		
1,2,4-Trichlorobenzene	102	113	38 - 138	10	30		
1,2,4-Trimethylbenzene	94	101	67 - 124	7	30		
1,2-Dibromo-3-Chloropropane	120	123	32 - 139	2	30		
1,2-Dichlorobenzene	93	100	75 - 111	8	30		
1,2-Dichloroethane	103	108	68 - 129	5	30		
1,2-Dichloropropane	91	95	78 - 115	4	30		
1,3,5-Trimethylbenzene	97	104	63 - 121	7	30		
1,3-Dichlorobenzene	93	100	73 - 110	7	30		
1,3-Dichloropropane	98	105	74 - 118	7	30		
1,4-Dichlorobenzene	88	99	75 - 110	12	30		
2,2-Dichloropropane	89	95	38 - 127	6	30		
2-Chlorotoluene	89	96	69 - 117	8	30		
2-Hexanone	117	111	47 - 139	6	30		
Bromobenzene	96	100	71 - 116	4	30		
Bromochloromethane	88	93	73 - 121	6	30		
4-Chlorotoluene	91	95	71 - 116	4	30		
p-Isopropyltoluene	97	104	64 - 122	7	30		
Acetone	94	93	33 - 145	0	30		
Benzene	87	93	72 - 121	6	30		
Bromoform	100	105	32 - 128	5	30		
Bromomethane	63	65	10 - 186	3	30		
Carbon disulfide	87	88	57 - 147	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23113

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5494-4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1202.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 2129				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5494-4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1203.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 2152			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 2152				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	106	104	59 - 129	2	30		
Chlorobenzene	93	98	80 - 110	5	30		
Chloroethane	58	65	21 - 165	12	30		
Chloroform	97	104	76 - 118	7	30		
Chloromethane	80	83	33 - 132	4	30		
cis-1,2-Dichloroethene	83	93	70 - 120	12	30		
cis-1,3-Dichloropropene	86	93	51 - 110	8	30		
Cyclohexane	108	91	49 - 123	12	30		
Hexachlorobutadiene	101	104	27 - 132	3	30		
Dibromomethane	103	105	77 - 121	2	30		
Bromodichloromethane	97	104	67 - 120	7	30		
Dichlorodifluoromethane	87	73	17 - 128	17	30		
Ethyl ether	98	104	63 - 136	6	30		
Ethylbenzene	99	103	75 - 116	4	30		
1,2-Dibromoethane	107	107	74 - 113	0	30		
Naphthalene	116	122	15 - 158	5	30		
m-Xylene & p-Xylene	92	101	75 - 117	10	30		
n-Butylbenzene	95	101	56 - 127	6	30		
Isopropylbenzene	100	104	68 - 116	3	30		
Methyl acetate	80	87	47 - 130	9	30	J	J
N-Propylbenzene	104	109	64 - 124	4	30		
2-Butanone (MEK)	95	96	54 - 129	1	30		
4-Methyl-2-pentanone (MIBK)	94	91	56 - 131	4	30		
sec-Butylbenzene	92	100	60 - 119	7	30		
Methyl tert butyl ether	96	101	46 - 144	5	30		
Methylene Chloride	81	91	63 - 128	12	30		
o-Xylene	92	97	76 - 116	5	30		
Styrene	97	101	71 - 117	4	30		
tert-Butylbenzene	101	109	61 - 119	8	30		
Tetrachloroethene	107	109	70 - 117	2	30		
Tetrahydrofuran	87	95	10 - 167	8	30		
Toluene	93	101	78 - 114	8	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23113

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5494-4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1202.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 2129				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5494-4	Analysis Batch:	240-23113	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1203.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/14/2011 2152			Final Weight/Volume:	5 mL
Prep Date:	11/14/2011 2152				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	87	97	80 - 119	10	30		
trans-1,3-Dichloropropene	101	106	46 - 116	5	30		
Trichloroethene	94	97	66 - 120	4	30		
Trichlorofluoromethane	108	101	46 - 157	7	30		
Vinyl chloride	92	93	49 - 130	1	30		
Methylcyclohexane	145	100	49 - 127	15	30	F	
Chlorodibromomethane	96	97	56 - 118	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	109	63 - 129
4-Bromofluorobenzene (Surr)	108	109	66 - 117
Toluene-d8 (Surr)	111	114	74 - 115
Dibromofluoromethane (Surr)	99	103	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-21918

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-21918/1-A	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-21918	Lab File ID:	1108007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/08/2011 0926	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	66	28 - 110
2-Fluorophenol (Surr)	69	10 - 110
2,4,6-Tribromophenol (Surr)	62	22 - 120
Nitrobenzene-d5 (Surr)	59	27 - 111
Phenol-d5 (Surr)	70	10 - 110
Terphenyl-d14 (Surr)	94	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Lab Control Sample - Batch: 240-21918

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-21918/2-A	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-21918	Lab File ID:	1108008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/08/2011 0942	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	14.4	72	40 - 110	
Acenaphthylene	20.0	15.1	76	43 - 110	
Anthracene	20.0	15.7	79	54 - 114	
Benzo[a]anthracene	20.0	16.1	81	55 - 115	
Benzo[b]fluoranthene	20.0	13.6	68	43 - 122	
Benzo[k]fluoranthene	20.0	17.2	86	43 - 124	
Benzo[g,h,i]perylene	20.0	16.4	82	45 - 120	
Benzo[a]pyrene	20.0	13.5	68	43 - 116	
Chrysene	20.0	17.3	87	55 - 115	
2-Methylnaphthalene	20.0	15.5	77	35 - 110	
Dibenz(a,h)anthracene	20.0	15.8	79	46 - 122	
Fluoranthene	20.0	16.7	84	54 - 122	
Fluorene	20.0	15.4	77	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	15.1	75	46 - 121	
Naphthalene	20.0	14.7	73	31 - 110	
Phenanthrene	20.0	15.5	77	52 - 114	
Pyrene	20.0	17.0	85	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	72	28 - 110
2-Fluorophenol (Surr)	79	10 - 110
2,4,6-Tribromophenol (Surr)	75	22 - 120
Nitrobenzene-d5 (Surr)	62	27 - 111
Phenol-d5 (Surr)	79	10 - 110
Terphenyl-d14 (Surr)	92	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-21918

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5536-N-1-A MS	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-21918	Lab File ID:	1108023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	490 mL
Analysis Date:	11/08/2011 1354			Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5536-N-1-B MSD	Analysis Batch:	240-22249	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-21918	Lab File ID:	1108024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	490 mL
Analysis Date:	11/08/2011 1410			Final Weight/Volume:	2.00 mL
Prep Date:	11/04/2011 0804			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	62	56	36 - 110	9	30		
Acenaphthylene	64	58	39 - 110	11	30		
Anthracene	65	61	46 - 110	6	30		
Benzo[a]anthracene	71	60	52 - 110	16	30		
Benzo[b]fluoranthene	59	49	33 - 114	18	30		
Benzo[k]fluoranthene	71	56	32 - 121	23	30		
Benzo[g,h,i]perylene	70	54	34 - 116	25	30		
Benzo[a]pyrene	54	45	33 - 110	18	30		J
Chrysene	75	62	52 - 111	18	30		
2-Methylnaphthalene	66	60	35 - 110	11	30		
Dibenz(a,h)anthracene	67	49	35 - 118	31	30		F
Fluoranthene	73	67	53 - 111	7	30		
Fluorene	68	60	43 - 110	13	30		
Indeno[1,2,3-cd]pyrene	63	48	36 - 116	27	30		J
Naphthalene	63	58	32 - 110	8	30		
Phenanthrene	68	62	47 - 110	9	30		
Pyrene	74	67	54 - 115	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	62	55	28 - 110
2-Fluorophenol (Surr)	66	60	10 - 110
2,4,6-Tribromophenol (Surr)	71	63	22 - 120
Nitrobenzene-d5 (Surr)	53	49	27 - 111
Phenol-d5 (Surr)	66	59	10 - 110
Terphenyl-d14 (Surr)	78	67	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-21942

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-21942/6	Analysis Batch:	240-21942	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF110406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1310	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1310			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-21942

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-21942/7	Analysis Batch:	240-21942	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF110407.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1348	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1348			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-21942/12	Analysis Batch:	240-21942	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF110412.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/04/2011 1659	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/04/2011 1659			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	101	102	80 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-21712

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-21712/1-A	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-21712	Lab File ID:	P6B11005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/10/2011 1133	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-21712

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-21712/2-A	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-21712	Lab File ID:	P6B11006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/10/2011 1204	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 240-21712/3-A	Analysis Batch:	240-22694	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-21712	Lab File ID:	P6B11011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/10/2011 1438	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/03/2011 0711			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	95	102	75 - 115	8	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-22728

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-22728/1-A	Analysis Batch:	240-23317	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1830	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	1.40	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-22728

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-22728/2-A	Analysis Batch:	240-23317	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1837	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2070	104	80 - 120	
Cadmium	50.0	47.8	96	80 - 120	
Chromium	200	189	95	80 - 120	
Silver	50.0	50.9	102	80 - 120	
Arsenic	2000	2000	100	80 - 120	
Lead	500	484	97	80 - 120	
Selenium	2000	1930	96	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22728

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-5494-1	Analysis Batch:	240-23317	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2011 1855			Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5494-1	Analysis Batch:	240-23317	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-22728	Lab File ID:	I61114A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/15/2011 0728			Final Weight/Volume:	50 mL
Prep Date:	11/10/2011 1048				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	112	100	75 - 125	10	20		
Cadmium	100	99	75 - 125	1	20		
Chromium	99	97	75 - 125	2	20		
Silver	109	102	75 - 125	6	20		
Arsenic	109	99	75 - 125	9	20		
Lead	102	96	75 - 125	6	20		
Selenium	103	99	75 - 125	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5494-1

Method Blank - Batch: 240-22836

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-22836/1-A	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1631	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-22836

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-22836/2-A	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1632	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.45	89	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22836

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-5690-R-3-B MS	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1637			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-R-3-C MSD	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1639			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	84	69 - 134	11	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-5494-1

Login Number: 5494

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3/1.2/2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-5690-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
12/9/2011 2:43 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
12/09/2011

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-5690-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/09/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9, 3.0, 3.1, 3.3 and 3.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-16 (240-5690-1), AMW-17 (240-5690-2), AMW-14 (240-5690-3), AMW-12 (240-5690-4) and TRIP BLANK OD8(20111107) (240-5690-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/17/2011.

Acetone was detected in method blank MB 240-23766/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

tert-Butylbenzene failed the recovery criteria low for the MS/MSD of sample AMW-14MS/MSD (240-5690-3) in batch 240-23766. Ethylbenzene and m-Xylene & p-Xylene failed the recovery criteria high.

Refer to the QC report for details.

Samples AMW-16 (240-5690-1)[66.67X], AMW-17 (240-5690-2)[14.28X], AMW-14 (240-5690-3)[11.76X] and AMW-12 (240-5690-4) [55.56X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-16 (240-5690-1), AMW-17 (240-5690-2), AMW-14 (240-5690-3) and AMW-12 (240-5690-4) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/11/2011 and 11/17/2011 and analyzed on 11/14/2011 and 11/21/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AMW-16 (240-5690-1).

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AMW-14 (240-5690-3).

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AMW-12 (240-5690-4).

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AMW-14MS/MSD (240-5690-3MS/MSD).

Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample AMW-14MS (240-5690-3) in batch 240-23075.

For the MSD of sample AMW-14MSD (240-5690-3) in batch 240-23075, Several analytes failed the recovery criteria low. Hexachloroethane failed the recovery criteria high. Also, Benzo[b]fluoranthene and Chrysene exceeded the rpd limit.

Refer to the QC report for details.

Samples AMW-16 (240-5690-1)[4X] and AMW-12 (240-5690-4)[6.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside control limits: AMW-14 (240-5690-3). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples AMW-16 (240-5690-1), AMW-17 (240-5690-2), AMW-14 (240-5690-3) and AMW-12 (240-5690-4) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/10/2011 and analyzed on 11/11/2011 and 11/14/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria high for the MS/MSD of sample AMW-14MS/MSD (240-5690-3) in batch 240-23146.

Refer to the QC report for details.

Method(s) WI-DRO: The matrix spike (MS) and matrix spike duplicate (MSD) associated with sample AMW-14 (240-5690-3) in batch 22646 were recovered above the upper control limit. , The batch laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) passed all criteria; therefore no corrective action was taken.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples AMW-16 (240-5690-1), AMW-17 (240-5690-2), AMW-14 (240-5690-3) and AMW-12 (240-5690-4) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 11/11/2011.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria low for the MS/MSD of sample AMW-14MS/MSD (240-5690-3) in batch 240-22867.

Refer to the QC report for details.

Samples AMW-16 (240-5690-1)[10X], AMW-17 (240-5690-2)[10X], AMW-14 (240-5690-3)[10X] and AMW-12 (240-5690-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-GRO analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample AMW-14 (240-5690-3) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 11/12/2011 and 11/22/2011 and analyzed on 11/18/2011 and 11/30/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for AMW-14 (240-5690-3). Refer to the QC report for details.

Aroclor-1016 failed the recovery criteria low for the MSD of sample AMW-14MSD (240-5690-3) in batch 240-24917. Aroclor-1016 and Aroclor-1260 exceeded the rpd limit.

Refer to the QC report for details.

Method(s) 8082: The laboratory control sample (LCS) for these samples was not spiked according to method requirements. The associated samples were re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported. AMW-14 (240-5690-3), AMW-14 (240-5690-3 MS), AMW-14 (240-5690-3 MSD)

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: AMW-14 (240-5690-3), AMW-14 (240-5690-3 MS), AMW-14 (240-5690-3 MSD).

Method(s) 8082: Surrogate recovery for the following sample was outside control limits: AMW-14 (240-5690-3). Re-extraction and/or re-analysis was performed outside of holding time with concurring results. Both sets of data have been reported.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples AMW-16 (240-5690-1), AMW-17 (240-5690-2), AMW-14 (240-5690-3) and AMW-12 (240-5690-4) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/16/2011 and analyzed on 11/17/2011.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

Barium was detected in method blank MB 240-23524/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

DISSOLVED MERCURY (CVAA)

Samples AMW-14 (240-5690-3) and AMW-12 (240-5690-4) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/11/2011 and analyzed on 11/15/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5690-1	**AMW-16**					
1,2,4-Trimethylbenzene		1500		67	ug/L	8260B
1,3,5-Trimethylbenzene		330		67	ug/L	8260B
Acetone		430	J B	670	ug/L	8260B
Cyclohexane		380		67	ug/L	8260B
Ethylbenzene		1400		67	ug/L	8260B
Naphthalene		150		67	ug/L	8260B
m-Xylene & p-Xylene		3000		130	ug/L	8260B
n-Butylbenzene		39	J	67	ug/L	8260B
Isopropylbenzene		68		67	ug/L	8260B
N-Propylbenzene		230		67	ug/L	8260B
o-Xylene		900		67	ug/L	8260B
Toluene		73		67	ug/L	8260B
Methylcyclohexane		100		67	ug/L	8260B
2-Methylnaphthalene		27	J	42	ug/L	8270C
Naphthalene		89		42	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		15000		1000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		1.2		0.10	mg/L	WI-DRO
240-5690-2	**AMW-17**					
p-Isopropyltoluene		43		14	ug/L	8260B
Acetone		340	B	140	ug/L	8260B
Benzene		52		14	ug/L	8260B
Cyclohexane		290		14	ug/L	8260B
Ethylbenzene		78		14	ug/L	8260B
Naphthalene		28		14	ug/L	8260B
m-Xylene & p-Xylene		21	J	29	ug/L	8260B
n-Butylbenzene		8.4	J	14	ug/L	8260B
Isopropylbenzene		49		14	ug/L	8260B
N-Propylbenzene		150		14	ug/L	8260B
2-Butanone (MEK)		23	J	140	ug/L	8260B
sec-Butylbenzene		5.2	J	14	ug/L	8260B
Toluene		14		14	ug/L	8260B
Methylcyclohexane		55		14	ug/L	8260B
2-Methylnaphthalene		4.3	J	10	ug/L	8270C
Fluorene		0.14	J	10	ug/L	8270C
Naphthalene		14		10	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		3200		1000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		0.82		0.10	mg/L	WI-DRO

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5690-3	**AMW-14**					
1,2,4-Trimethylbenzene		120		12	ug/L	8260B
1,3,5-Trimethylbenzene		27		12	ug/L	8260B
p-Isopropyltoluene		4.3	J	12	ug/L	8260B
Acetone		17	J B	120	ug/L	8260B
Cyclohexane		19		12	ug/L	8260B
Dichlorodifluoromethane		19		12	ug/L	8260B
Ethylbenzene		220		12	ug/L	8260B
Naphthalene		16		12	ug/L	8260B
m-Xylene & p-Xylene		570		24	ug/L	8260B
n-Butylbenzene		19		12	ug/L	8260B
Isopropylbenzene		19		12	ug/L	8260B
N-Propylbenzene		13		12	ug/L	8260B
sec-Butylbenzene		6.3	J	12	ug/L	8260B
o-Xylene		140		12	ug/L	8260B
Methylcyclohexane		11	J	12	ug/L	8260B
Bis(2-ethylhexyl) phthalate		0.80	J	2.0	ug/L	8270C
2-Methylnaphthalene		3.0		0.20	ug/L	8270C
2,4-Dimethylphenol		5.1		2.0	ug/L	8270C
Naphthalene		4.1		0.20	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		7600		1000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		1.1		0.10	mg/L	WI-DRO
Dissolved						
Barium		280	B	200	ug/L	6010B
Arsenic		7.8	J	10	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5690-4	**AMW-12**					
1,2,4-Trimethylbenzene		680		56	ug/L	8260B
1,3,5-Trimethylbenzene		110		56	ug/L	8260B
Acetone		73	J B	560	ug/L	8260B
Benzene		32	J	56	ug/L	8260B
Cyclohexane		120		56	ug/L	8260B
Ethylbenzene		1200		56	ug/L	8260B
Naphthalene		270		56	ug/L	8260B
m-Xylene & p-Xylene		2300		110	ug/L	8260B
n-Butylbenzene		84		56	ug/L	8260B
Isopropylbenzene		150		56	ug/L	8260B
N-Propylbenzene		150		56	ug/L	8260B
sec-Butylbenzene		22	J	56	ug/L	8260B
o-Xylene		260		56	ug/L	8260B
Methylcyclohexane		73		56	ug/L	8260B
2-Methylnaphthalene		74		67	ug/L	8270C
Naphthalene		180		67	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		13000		1000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		0.62		0.099	mg/L	WI-DRO
Dissolved						
Barium		460	B	200	ug/L	6010B
Arsenic		16		10	ug/L	6010B
240-5690-5TB	**TRIP BLANK OD8(20111107)**					
Acetone		1.5	J B	10	ug/L	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Continuous			SW846 3520C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method	Analyst	Analyst ID
SW846 8260B	Williams, Larry	LW
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-5690-1	AMW-16	Water	11/07/2011 1100	11/09/2011 0930
240-5690-2	AMW-17	Water	11/07/2011 1220	11/09/2011 0930
240-5690-3	AMW-14	Water	11/07/2011 1500	11/09/2011 0930
240-5690-3MS	AMW-14	Water	11/07/2011 1500	11/09/2011 0930
240-5690-3MSD	AMW-14	Water	11/07/2011 1500	11/09/2011 0930
240-5690-4	AMW-12	Water	11/07/2011 1625	11/09/2011 0930
240-5690-5TB	TRIP BLANK OD8(20111107)	Water	11/07/2011 0000	11/09/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-16**

Lab Sample ID: 240-5690-1 Date Sampled: 11/07/2011 1100
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1340.D
Dilution:	66.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1438			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1438				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		15	67
1,1,1-Trichloroethane	ND		15	67
1,1,2,2-Tetrachloroethane	ND		12	67
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19	67
1,1,2-Trichloroethane	ND		18	67
1,1-Dichloroethane	ND		10	67
1,1-Dichloroethene	ND		13	67
1,1-Dichloropropene	ND		8.7	67
1,2,3-Trichlorobenzene	ND		11	67
1,2,3-Trichloropropane	ND		29	67
1,2,4-Trichlorobenzene	ND		10	67
1,2,4-Trimethylbenzene	1500		8.0	67
1,2-Dibromo-3-Chloropropane	ND		45	130
1,2-Dichlorobenzene	ND		8.7	67
1,2-Dichloroethane	ND		15	67
1,2-Dichloropropane	ND		12	67
1,3,5-Trimethylbenzene	330		6.4	67
1,3-Dichlorobenzene	ND		9.3	67
1,3-Dichloropropane	ND		11	67
1,4-Dichlorobenzene	ND		8.7	67
Allyl chloride	ND		23	130
2,2-Dichloropropane	ND		8.7	67
2-Chlorotoluene	ND		7.3	67
2-Hexanone	ND		27	670
Bromobenzene	ND		8.7	67
Bromochloromethane	ND		19	67
4-Chlorotoluene	ND		12	67
p-Isopropyltoluene	ND		8.0	67
Acetone	430	J B	73	670
Benzene	ND		8.7	67
Bromoform	ND		43	67
Bromomethane	ND		27	67
Carbon disulfide	ND		8.7	67
Carbon tetrachloride	ND		8.7	67
Chlorobenzene	ND		10	67
Chloroethane	ND		19	67
Chloroform	ND		11	67
Chloromethane	ND		20	67
cis-1,2-Dichloroethene	ND		11	67
cis-1,3-Dichloropropene	ND		9.3	67
Cyclohexane	380		8.0	67
Hexachlorobutadiene	ND		20	67
Dibromomethane	ND		19	67
Bromodichloromethane	ND		10	67
Dichlorodifluoromethane	ND		21	67
Dichlorofluoromethane	ND		28	130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-16**

Lab Sample ID: 240-5690-1 Date Sampled: 11/07/2011 1100
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1340.D
Dilution:	66.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1438			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1438				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		21	130
Ethylbenzene	1400		11	67
1,2-Dibromoethane	ND		16	67
Naphthalene	150		16	67
m-Xylene & p-Xylene	3000		16	130
n-Butylbenzene	39	J	8.0	67
Isopropylbenzene	68		8.7	67
Methyl acetate	ND		25	670
N-Propylbenzene	230		9.3	67
2-Butanone (MEK)	ND		38	670
4-Methyl-2-pentanone (MIBK)	ND		21	670
sec-Butylbenzene	ND		8.7	67
Methyl tert butyl ether	ND		11	330
Methylene Chloride	ND		22	67
o-Xylene	900		9.3	67
Styrene	ND		7.3	67
tert-Butylbenzene	ND		8.7	67
Tetrachloroethene	ND		19	67
Tetrahydrofuran	ND		28	330
Toluene	73		8.7	67
trans-1,2-Dichloroethene	ND		13	67
trans-1,3-Dichloropropene	ND		13	67
Trichloroethene	ND		11	67
Trichlorofluoromethane	ND		14	67
Vinyl chloride	ND		15	67
Methylcyclohexane	100		8.7	67
Chlorodibromomethane	ND		12	67

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		63 - 129
4-Bromofluorobenzene (Surr)	99		66 - 117
Toluene-d8 (Surr)	105		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-17**

Lab Sample ID: 240-5690-2 Date Sampled: 11/07/2011 1220
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1341.D
Dilution:	14.28			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1500			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1500				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		3.3	14
1,1,1-Trichloroethane	ND		3.1	14
1,1,2,2-Tetrachloroethane	ND		2.6	14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	14
1,1,2-Trichloroethane	ND		3.9	14
1,1-Dichloroethane	ND		2.1	14
1,1-Dichloroethene	ND		2.7	14
1,1-Dichloropropene	ND		1.9	14
1,2,3-Trichlorobenzene	ND		2.4	14
1,2,3-Trichloropropane	ND		6.1	14
1,2,4-Trichlorobenzene	ND		2.1	14
1,2,4-Trimethylbenzene	ND		1.7	14
1,2-Dibromo-3-Chloropropane	ND		9.6	29
1,2-Dichlorobenzene	ND		1.9	14
1,2-Dichloroethane	ND		3.1	14
1,2-Dichloropropane	ND		2.6	14
1,3,5-Trimethylbenzene	ND		1.4	14
1,3-Dichlorobenzene	ND		2.0	14
1,3-Dichloropropane	ND		2.3	14
1,4-Dichlorobenzene	ND		1.9	14
Allyl chloride	ND		5.0	29
2,2-Dichloropropane	ND		1.9	14
2-Chlorotoluene	ND		1.6	14
2-Hexanone	ND		5.9	140
Bromobenzene	ND		1.9	14
Bromochloromethane	ND		4.1	14
4-Chlorotoluene	ND		2.6	14
p-Isopropyltoluene	43		1.7	14
Acetone	340	B	16	140
Benzene	52		1.9	14
Bromoform	ND		9.1	14
Bromomethane	ND		5.9	14
Carbon disulfide	ND		1.9	14
Carbon tetrachloride	ND		1.9	14
Chlorobenzene	ND		2.1	14
Chloroethane	ND		4.1	14
Chloroform	ND		2.3	14
Chloromethane	ND		4.3	14
cis-1,2-Dichloroethene	ND		2.4	14
cis-1,3-Dichloropropene	ND		2.0	14
Cyclohexane	290		1.7	14
Hexachlorobutadiene	ND		4.3	14
Dibromomethane	ND		4.0	14
Bromodichloromethane	ND		2.1	14
Dichlorodifluoromethane	ND		4.4	14
Dichlorofluoromethane	ND		6.0	29

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-17**

Lab Sample ID: 240-5690-2 Date Sampled: 11/07/2011 1220
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1341.D
Dilution:	14.28			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1500			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1500				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		4.4	29
Ethylbenzene	78		2.4	14
1,2-Dibromoethane	ND		3.4	14
Naphthalene	28		3.4	14
m-Xylene & p-Xylene	21	J	3.4	29
n-Butylbenzene	8.4	J	1.7	14
Isopropylbenzene	49		1.9	14
Methyl acetate	ND		5.4	140
N-Propylbenzene	150		2.0	14
2-Butanone (MEK)	23	J	8.1	140
4-Methyl-2-pentanone (MIBK)	ND		4.6	140
sec-Butylbenzene	5.2	J	1.9	14
Methyl tert butyl ether	ND		2.4	71
Methylene Chloride	ND		4.7	14
o-Xylene	ND		2.0	14
Styrene	ND		1.6	14
tert-Butylbenzene	ND		1.9	14
Tetrachloroethene	ND		4.1	14
Tetrahydrofuran	ND		6.0	71
Toluene	14		1.9	14
trans-1,2-Dichloroethene	ND		2.7	14
trans-1,3-Dichloropropene	ND		2.7	14
Trichloroethene	ND		2.4	14
Trichlorofluoromethane	ND		3.0	14
Vinyl chloride	ND		3.1	14
Methylcyclohexane	55		1.9	14
Chlorodibromomethane	ND		2.6	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		63 - 129
4-Bromofluorobenzene (Surr)	92		66 - 117
Toluene-d8 (Surr)	100		74 - 115
Dibromofluoromethane (Surr)	88		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1339.D
Dilution:	11.76			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1415			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1415				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		2.7	12
1,1,1-Trichloroethane	ND		2.6	12
1,1,2,2-Tetrachloroethane	ND		2.1	12
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.3	12
1,1,2-Trichloroethane	ND		3.2	12
1,1-Dichloroethane	ND		1.8	12
1,1-Dichloroethene	ND		2.2	12
1,1-Dichloropropene	ND		1.5	12
1,2,3-Trichlorobenzene	ND		2.0	12
1,2,3-Trichloropropane	ND		5.1	12
1,2,4-Trichlorobenzene	ND		1.8	12
1,2,4-Trimethylbenzene	120		1.4	12
1,2-Dibromo-3-Chloropropane	ND		7.9	24
1,2-Dichlorobenzene	ND		1.5	12
1,2-Dichloroethane	ND		2.6	12
1,2-Dichloropropane	ND		2.1	12
1,3,5-Trimethylbenzene	27		1.1	12
1,3-Dichlorobenzene	ND		1.6	12
1,3-Dichloropropane	ND		1.9	12
1,4-Dichlorobenzene	ND		1.5	12
Allyl chloride	ND		4.1	24
2,2-Dichloropropane	ND		1.5	12
2-Chlorotoluene	ND		1.3	12
2-Hexanone	ND		4.8	120
Bromobenzene	ND		1.5	12
Bromochloromethane	ND		3.4	12
4-Chlorotoluene	ND		2.1	12
p-Isopropyltoluene	4.3	J	1.4	12
Acetone	17	J B	13	120
Benzene	ND		1.5	12
Bromoform	ND		7.5	12
Bromomethane	ND		4.8	12
Carbon disulfide	ND		1.5	12
Carbon tetrachloride	ND		1.5	12
Chlorobenzene	ND		1.8	12
Chloroethane	ND		3.4	12
Chloroform	ND		1.9	12
Chloromethane	ND		3.5	12
cis-1,2-Dichloroethene	ND		2.0	12
cis-1,3-Dichloropropene	ND		1.6	12
Cyclohexane	19		1.4	12
Hexachlorobutadiene	ND		3.5	12
Dibromomethane	ND		3.3	12
Bromodichloromethane	ND		1.8	12
Dichlorodifluoromethane	19		3.6	12
Dichlorofluoromethane	ND		4.9	24

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1339.D
Dilution:	11.76			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1415			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1415				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		3.6	24
Ethylbenzene	220		2.0	12
1,2-Dibromoethane	ND		2.8	12
Naphthalene	16		2.8	12
m-Xylene & p-Xylene	570		2.8	24
n-Butylbenzene	19		1.4	12
Isopropylbenzene	19		1.5	12
Methyl acetate	ND		4.5	120
N-Propylbenzene	13		1.6	12
2-Butanone (MEK)	ND		6.7	120
4-Methyl-2-pentanone (MIBK)	ND		3.8	120
sec-Butylbenzene	6.3	J	1.5	12
Methyl tert butyl ether	ND		2.0	59
Methylene Chloride	ND		3.9	12
o-Xylene	140		1.6	12
Styrene	ND		1.3	12
tert-Butylbenzene	ND		1.5	12
Tetrachloroethene	ND		3.4	12
Tetrahydrofuran	ND		4.9	59
Toluene	ND		1.5	12
trans-1,2-Dichloroethene	ND		2.2	12
trans-1,3-Dichloropropene	ND		2.2	12
Trichloroethene	ND		2.0	12
Trichlorofluoromethane	ND		2.5	12
Vinyl chloride	ND		2.6	12
Methylcyclohexane	11	J	1.5	12
Chlorodibromomethane	ND		2.1	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		63 - 129
4-Bromofluorobenzene (Surr)	93		66 - 117
Toluene-d8 (Surr)	100		74 - 115
Dibromofluoromethane (Surr)	85		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-12**

Lab Sample ID: 240-5690-4 Date Sampled: 11/07/2011 1625
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1342.D
Dilution:	55.56			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1522			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1522				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		13	56
1,1,1-Trichloroethane	ND		12	56
1,1,2,2-Tetrachloroethane	ND		10	56
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16	56
1,1,2-Trichloroethane	ND		15	56
1,1-Dichloroethane	ND		8.3	56
1,1-Dichloroethene	ND		11	56
1,1-Dichloropropene	ND		7.2	56
1,2,3-Trichlorobenzene	ND		9.4	56
1,2,3-Trichloropropane	ND		24	56
1,2,4-Trichlorobenzene	ND		8.3	56
1,2,4-Trimethylbenzene	680		6.7	56
1,2-Dibromo-3-Chloropropane	ND		37	110
1,2-Dichlorobenzene	ND		7.2	56
1,2-Dichloroethane	ND		12	56
1,2-Dichloropropane	ND		10	56
1,3,5-Trimethylbenzene	110		5.3	56
1,3-Dichlorobenzene	ND		7.8	56
1,3-Dichloropropane	ND		8.9	56
1,4-Dichlorobenzene	ND		7.2	56
Allyl chloride	ND		19	110
2,2-Dichloropropane	ND		7.2	56
2-Chlorotoluene	ND		6.1	56
2-Hexanone	ND		23	560
Bromobenzene	ND		7.2	56
Bromochloromethane	ND		16	56
4-Chlorotoluene	ND		10	56
p-Isopropyltoluene	ND		6.7	56
Acetone	73	J B	61	560
Benzene	32	J	7.2	56
Bromoform	ND		36	56
Bromomethane	ND		23	56
Carbon disulfide	ND		7.2	56
Carbon tetrachloride	ND		7.2	56
Chlorobenzene	ND		8.3	56
Chloroethane	ND		16	56
Chloroform	ND		8.9	56
Chloromethane	ND		17	56
cis-1,2-Dichloroethene	ND		9.4	56
cis-1,3-Dichloropropene	ND		7.8	56
Cyclohexane	120		6.7	56
Hexachlorobutadiene	ND		17	56
Dibromomethane	ND		16	56
Bromodichloromethane	ND		8.3	56
Dichlorodifluoromethane	ND		17	56
Dichlorofluoromethane	ND		23	110

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-12**

Lab Sample ID: 240-5690-4 Date Sampled: 11/07/2011 1625
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1342.D
Dilution:	55.56			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1522			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1522				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		17	110
Ethylbenzene	1200		9.4	56
1,2-Dibromoethane	ND		13	56
Naphthalene	270		13	56
m-Xylene & p-Xylene	2300		13	110
n-Butylbenzene	84		6.7	56
Isopropylbenzene	150		7.2	56
Methyl acetate	ND		21	560
N-Propylbenzene	150		7.8	56
2-Butanone (MEK)	ND		32	560
4-Methyl-2-pentanone (MIBK)	ND		18	560
sec-Butylbenzene	22	J	7.2	56
Methyl tert butyl ether	ND		9.4	280
Methylene Chloride	ND		18	56
o-Xylene	260		7.8	56
Styrene	ND		6.1	56
tert-Butylbenzene	ND		7.2	56
Tetrachloroethene	ND		16	56
Tetrahydrofuran	ND		23	280
Toluene	ND		7.2	56
trans-1,2-Dichloroethene	ND		11	56
trans-1,3-Dichloropropene	ND		11	56
Trichloroethene	ND		9.4	56
Trichlorofluoromethane	ND		12	56
Vinyl chloride	ND		12	56
Methylcyclohexane	73		7.2	56
Chlorodibromomethane	ND		10	56

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 117
Toluene-d8 (Surr)	107		74 - 115
Dibromofluoromethane (Surr)	88		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **TRIP BLANK OD8(20111107)**

Lab Sample ID: 240-5690-5TB Date Sampled: 11/07/2011 0000
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1343.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1544			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1544				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	1.5	J B	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **TRIP BLANK OD8(20111107)**

Lab Sample ID: 240-5690-5TB Date Sampled: 11/07/2011 0000
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM1343.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1544			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1544				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		63 - 129
4-Bromofluorobenzene (Surr)	94		66 - 117
Toluene-d8 (Surr)	105		74 - 115
Dibromofluoromethane (Surr)	93		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-16**

Lab Sample ID: 240-5690-1 Date Sampled: 11/07/2011 1100
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22858	Lab File ID:	1114029.D
Dilution:	4.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/14/2011 1911			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.42	42
Acenaphthylene	ND		0.42	42
Anthracene	ND		0.42	42
Benzo[a]anthracene	ND		0.42	0.83
Benzo[b]fluoranthene	ND		0.42	42
Benzo[k]fluoranthene	ND		0.42	42
Benzo[g,h,i]perylene	ND		0.42	42
Benzo[a]pyrene	ND		0.42	42
Chrysene	ND		0.42	42
2-Methylnaphthalene	27	J	0.42	42
Dibenz(a,h)anthracene	ND		0.42	42
Fluoranthene	ND		0.42	42
Fluorene	ND		0.42	42
Indeno[1,2,3-cd]pyrene	ND		0.42	42
Naphthalene	89		0.42	42
Phenanthrene	ND		0.42	42
Pyrene	ND		0.42	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	51		28 - 110
2-Fluorophenol (Surr)	55		10 - 110
2,4,6-Tribromophenol (Surr)	48		22 - 120
Nitrobenzene-d5 (Surr)	54		27 - 111
Phenol-d5 (Surr)	55		10 - 110
Terphenyl-d14 (Surr)	30	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-17**

Lab Sample ID: 240-5690-2 Date Sampled: 11/07/2011 1220
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22858	Lab File ID:	1114028.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/14/2011 1854			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.21
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	4.3	J	0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	0.14	J	0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	14		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		28 - 110
2-Fluorophenol (Surr)	54		10 - 110
2,4,6-Tribromophenol (Surr)	59		22 - 120
Nitrobenzene-d5 (Surr)	41		27 - 111
Phenol-d5 (Surr)	57		10 - 110
Terphenyl-d14 (Surr)	53		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22858	Lab File ID:	1114031.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2011 1945			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
Atrazine	ND		0.34	1.0
Benzaldehyde	ND		0.39	1.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Butyl benzyl phthalate	ND		0.80	1.0
1,1'-Biphenyl	ND		0.80	1.0
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	0.80	J	0.80	2.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
Caprolactam	ND		0.80	5.0
Carbazole	ND		0.28	1.0
4-Chloroaniline	ND		0.80	2.0
4-Chloro-3-methylphenol	ND		0.80	2.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
Chrysene	ND		0.10	0.20
2-Methylnaphthalene	3.0		0.10	0.20
3 & 4 Methylphenol	ND		0.75	2.0
Dibenz(a,h)anthracene	ND		0.10	0.20
Dibenzofuran	ND		0.10	1.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Diethyl phthalate	ND		0.60	1.0
2,4-Dimethylphenol	5.1		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
2,4-Dinitrophenol	ND		2.4	5.0
2,4-Dinitrotoluene	ND		0.27	5.0
Di-n-butyl phthalate	ND		0.67	1.0
Di-n-octyl phthalate	ND		0.80	1.0
Fluoranthene	ND		0.10	0.20
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22858	Lab File ID:	1114031.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2011 1945			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.27	1.0
2-Methylphenol	ND		0.80	1.0
Naphthalene	4.1		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
3-Nitroaniline	ND		0.28	2.0
4-Nitroaniline	ND		0.80	2.0
Nitrobenzene	ND		0.040	1.0
2-Nitrophenol	ND		0.28	2.0
4-Nitrophenol	ND		2.4	5.0
N-Nitrosodiphenylamine	ND		0.31	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Pentachlorophenol	ND		2.4	5.0
Phenanthrene	ND		0.10	0.20
Phenol	ND		0.60	1.0
Pyrene	ND		0.10	0.20
2,4,5-Trichlorophenol	ND		0.30	5.0
2,4,6-Trichlorophenol	ND		0.80	5.0
2,6-Dinitrotoluene	ND		0.80	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	49		28 - 110
2-Fluorophenol (Surr)	53		10 - 110
2,4,6-Tribromophenol (Surr)	52		22 - 120
Nitrobenzene-d5 (Surr)	51		27 - 111
Phenol-d5 (Surr)	55		10 - 110
Terphenyl-d14 (Surr)	25	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-23673	Lab File ID:	1121022.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/21/2011 1700	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND	H	0.10	0.20
Acenaphthylene	ND	H	0.10	0.20
Acetophenone	ND	H	0.34	1.0
Anthracene	ND	H	0.10	0.20
Atrazine	ND	H	0.34	1.0
Benzaldehyde	ND	H	0.39	1.0
Benzo[a]anthracene	ND	H	0.10	0.20
Benzo[b]fluoranthene	ND	H	0.10	0.20
Benzo[k]fluoranthene	ND	H	0.10	0.20
Benzo[g,h,i]perylene	ND	H	0.10	0.20
Benzo[a]pyrene	ND	H	0.10	0.20
Butyl benzyl phthalate	ND	H	0.81	1.0
1,1'-Biphenyl	ND	H	0.81	1.0
Bis(2-chloroethoxy)methane	ND	H	0.32	1.0
Bis(2-chloroethyl)ether	ND	H	0.10	1.0
Bis(2-ethylhexyl) phthalate	ND	H	0.81	2.0
4-Bromophenyl phenyl ether	ND	H	0.81	2.0
Caprolactam	ND	H	0.81	5.1
Carbazole	ND	H	0.28	1.0
4-Chloroaniline	ND	H	0.81	2.0
4-Chloro-3-methylphenol	ND	H	0.81	2.0
2-Chloronaphthalene	ND	H	0.10	1.0
2-Chlorophenol	ND	H	0.29	1.0
4-Chlorophenyl phenyl ether	ND	H	0.30	2.0
Chrysene	ND	H	0.10	0.20
2-Methylnaphthalene	ND	H	0.10	0.20
3 & 4 Methylphenol	2.2	H	0.76	2.0
Dibenz(a,h)anthracene	ND	H	0.10	0.20
Dibenzofuran	ND	H	0.10	1.0
3,3'-Dichlorobenzidine	ND	H	0.37	5.1
2,4-Dichlorophenol	ND	H	0.81	2.0
Diethyl phthalate	ND	H	0.61	1.0
2,4-Dimethylphenol	11	H	0.81	2.0
Dimethyl phthalate	ND	H	0.29	1.0
4,6-Dinitro-2-methylphenol	ND	H	2.4	5.1
2,4-Dinitrophenol	ND	H	2.4	5.1
2,4-Dinitrotoluene	ND	H	0.27	5.1
Di-n-butyl phthalate	ND	H	0.68	1.0
Di-n-octyl phthalate	ND	H	0.81	1.0
Fluoranthene	ND	H	0.10	0.20
Fluorene	ND	H	0.10	0.20
Hexachlorobenzene	ND	H	0.10	0.20
Hexachlorobutadiene	ND	H	0.27	1.0
Hexachlorocyclopentadiene	ND	H	0.81	10
Hexachloroethane	ND	H	0.81	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-23673	Lab File ID:	1121022.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/21/2011 1700	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND	H	0.27	1.0
2-Methylphenol	ND	H	0.81	1.0
Naphthalene	ND	H	0.10	0.20
2-Nitroaniline	ND	H	0.81	2.0
3-Nitroaniline	ND	H	0.28	2.0
4-Nitroaniline	ND	H	0.81	2.0
Nitrobenzene	ND	H	0.040	1.0
2-Nitrophenol	ND	H	0.28	2.0
4-Nitrophenol	ND	H	2.4	5.1
N-Nitrosodiphenylamine	ND	H	0.31	1.0
N-Nitrosodi-n-propylamine	ND	H	0.81	1.0
2,2'-oxybis[1-chloropropane]	ND	H	0.40	1.0
Pentachlorophenol	ND	H	2.4	5.1
Phenanthrene	ND	H	0.10	0.20
Phenol	ND	H	0.61	1.0
Pyrene	ND	H	0.10	0.20
2,4,5-Trichlorophenol	ND	H	0.30	5.1
2,4,6-Trichlorophenol	ND	H	0.81	5.1
2,6-Dinitrotoluene	ND	H	0.81	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		28 - 110
2-Fluorophenol (Surr)	65		10 - 110
2,4,6-Tribromophenol (Surr)	66		22 - 120
Nitrobenzene-d5 (Surr)	73		27 - 111
Phenol-d5 (Surr)	75		10 - 110
Terphenyl-d14 (Surr)	37		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-12**

Lab Sample ID: 240-5690-4 Date Sampled: 11/07/2011 1625
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22858	Lab File ID:	1114030.D
Dilution:	6.6666666			Initial Weight/Volume:	990 mL
Analysis Date:	11/14/2011 1928			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.67	67
Acenaphthylene	ND		0.67	67
Anthracene	ND		0.67	67
Benzo[a]anthracene	ND		0.67	1.3
Benzo[b]fluoranthene	ND		0.67	67
Benzo[k]fluoranthene	ND		0.67	67
Benzo[g,h,i]perylene	ND		0.67	67
Benzo[a]pyrene	ND		0.67	67
Chrysene	ND		0.67	67
2-Methylnaphthalene	74		0.67	67
Dibenz(a,h)anthracene	ND		0.67	67
Fluoranthene	ND		0.67	67
Fluorene	ND		0.67	67
Indeno[1,2,3-cd]pyrene	ND		0.67	67
Naphthalene	180		0.67	67
Phenanthrene	ND		0.67	67
Pyrene	ND		0.67	67

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	44		28 - 110
2-Fluorophenol (Surr)	46		10 - 110
2,4,6-Tribromophenol (Surr)	59		22 - 120
Nitrobenzene-d5 (Surr)	53		27 - 111
Phenol-d5 (Surr)	47		10 - 110
Terphenyl-d14 (Surr)	26	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-16**

Lab Sample ID: 240-5690-1 Date Sampled: 11/07/2011 1100
Client Matrix: Water Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-22867	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF111109.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1528			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1528			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	15000		260	1000

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-17**

Lab Sample ID: 240-5690-2 Date Sampled: 11/07/2011 1220
Client Matrix: Water Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-22867	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF111110.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1607			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1607			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	3200		260	1000

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-22867	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF111108.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1451			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1451			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	7600		260	1000

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-12**

Lab Sample ID: 240-5690-4 Date Sampled: 11/07/2011 1625
Client Matrix: Water Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-22867	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF111111.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1644			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1644			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	13000		260	1000

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-23972	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-23001	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/18/2011 1322			Injection Volume:	1 mL
Prep Date:	11/12/2011 0744			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.044	0.10
Aroclor-1221	ND		0.045	0.10
Aroclor-1232	ND		0.074	0.10
Aroclor-1242	ND		0.061	0.10
Aroclor-1248	ND		0.062	0.10
Aroclor-1254	ND		0.032	0.10
Aroclor-1260	ND		0.038	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	39		23 - 136
DCB Decachlorobiphenyl	4	X	10 - 130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-24917	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-24277	Initial Weight/Volume:	940 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/30/2011 0525	Run Type:	RE	Injection Volume:	1 mL
Prep Date:	11/22/2011 0727			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND	H	0.047	0.11
Aroclor-1221	ND	H	0.048	0.11
Aroclor-1232	ND	H	0.078	0.11
Aroclor-1242	ND	H	0.064	0.11
Aroclor-1248	ND	H	0.065	0.11
Aroclor-1254	ND	H	0.034	0.11
Aroclor-1260	ND	H	0.040	0.11

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	33		23 - 136
DCB Decachlorobiphenyl	2	X	10 - 130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-16**

Lab Sample ID: 240-5690-1 Date Sampled: 11/07/2011 1100
Client Matrix: Water Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-22646	Lab File ID:	P14F0000020.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/14/2011 2001			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	1.2		0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-17**

Lab Sample ID: 240-5690-2 Date Sampled: 11/07/2011 1220
Client Matrix: Water Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-22646	Lab File ID:	P14F0000008.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/11/2011 1320			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.82		0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-22646	Lab File ID:	P14F0000021.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/14/2011 2025			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	1.1		0.017	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-12**

Lab Sample ID: 240-5690-4 Date Sampled: 11/07/2011 1625
Client Matrix: Water Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-22646	Lab File ID:	P14F0000024.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	11/14/2011 2137			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.62		0.016	0.099

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-16**

Lab Sample ID: 240-5690-1 Date Sampled: 11/07/2011 1100
Client Matrix: Water Date Received: 11/09/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1749			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	ND		1.9	3.0

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-17**

Lab Sample ID: 240-5690-2 Date Sampled: 11/07/2011 1220
Client Matrix: Water Date Received: 11/09/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1755			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	ND		1.9	3.0

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-14**

Lab Sample ID: 240-5690-3 Date Sampled: 11/07/2011 1500
Client Matrix: Water Date Received: 11/09/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1712			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	280	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	7.8	J	3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1636			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Client Sample ID: **AMW-12**

Lab Sample ID: 240-5690-4 Date Sampled: 11/07/2011 1625
Client Matrix: Water Date Received: 11/09/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1801			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	460	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	16		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1646			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
GC VOA		
	F	MS or MSD exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-23766					
LCS 240-23766/4	Lab Control Sample	T	Water	8260B	
MB 240-23766/5	Method Blank	T	Water	8260B	
240-5690-1	AMW-16	T	Water	8260B	
240-5690-2	AMW-17	T	Water	8260B	
240-5690-3	AMW-14	T	Water	8260B	
240-5690-3MS	Matrix Spike	T	Water	8260B	
240-5690-3MSD	Matrix Spike Duplicate	T	Water	8260B	
240-5690-4	AMW-12	T	Water	8260B	
240-5690-5TB	TRIP BLANK OD8(20111107)	T	Water	8260B	

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-22858					
LCS 240-22858/23-A	Lab Control Sample	T	Water	3520C	
MB 240-22858/22-A	Method Blank	T	Water	3520C	
240-5690-1	AMW-16	T	Water	3520C	
240-5690-2	AMW-17	T	Water	3520C	
240-5690-3	AMW-14	T	Water	3520C	
240-5690-3MS	Matrix Spike	T	Water	3520C	
240-5690-3MSD	Matrix Spike Duplicate	T	Water	3520C	
240-5690-4	AMW-12	T	Water	3520C	
Analysis Batch:240-23075					
MB 240-22858/22-A	Method Blank	T	Water	8270C	240-22858
240-5690-1	AMW-16	T	Water	8270C	240-22858
240-5690-2	AMW-17	T	Water	8270C	240-22858
240-5690-3	AMW-14	T	Water	8270C	240-22858
240-5690-3MS	Matrix Spike	T	Water	8270C	240-22858
240-5690-3MSD	Matrix Spike Duplicate	T	Water	8270C	240-22858
240-5690-4	AMW-12	T	Water	8270C	240-22858
Analysis Batch:240-23338					
LCS 240-22858/23-A	Lab Control Sample	T	Water	8270C	240-22858
Prep Batch: 240-23673					
LCS 240-23673/22-A	Lab Control Sample	T	Water	3520C	
MB 240-23673/21-A	Method Blank	T	Water	3520C	
240-5690-3RE	AMW-14	T	Water	3520C	
240-5690-3MSRE	Matrix Spike	T	Water	3520C	
240-5690-3MSDRE	Matrix Spike Duplicate	T	Water	3520C	
Analysis Batch:240-24168					
240-5690-3RE	AMW-14	T	Water	8270C	240-23673
240-5690-3MSRE	Matrix Spike	T	Water	8270C	240-23673
240-5690-3MSDRE	Matrix Spike Duplicate	T	Water	8270C	240-23673
Analysis Batch:240-24295					
LCS 240-23673/22-A	Lab Control Sample	T	Water	8270C	240-23673
MB 240-23673/21-A	Method Blank	T	Water	8270C	240-23673

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-22867					
LCS 240-22867/7	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-22867/18	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-22867/6	Method Blank	T	Water	WI-GRO	
240-5690-1	AMW-16	T	Water	WI-GRO	
240-5690-2	AMW-17	T	Water	WI-GRO	
240-5690-3	AMW-14	T	Water	WI-GRO	
240-5690-3MS	Matrix Spike	T	Water	WI-GRO	
240-5690-3MSD	Matrix Spike Duplicate	T	Water	WI-GRO	
240-5690-4	AMW-12	T	Water	WI-GRO	

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-22646					
LCS 240-22646/10-A	Lab Control Sample	T	Water	3510C	
LCSD 240-22646/11-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-22646/9-A	Method Blank	T	Water	3510C	
240-5690-1	AMW-16	T	Water	3510C	
240-5690-2	AMW-17	T	Water	3510C	
240-5690-3	AMW-14	T	Water	3510C	
240-5690-3MS	Matrix Spike	T	Water	3510C	
240-5690-3MSD	Matrix Spike Duplicate	T	Water	3510C	
240-5690-4	AMW-12	T	Water	3510C	
Analysis Batch:240-22908					
LCS 240-22646/10-A	Lab Control Sample	T	Water	WI-DRO	240-22646
LCSD 240-22646/11-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-22646
MB 240-22646/9-A	Method Blank	T	Water	WI-DRO	240-22646
240-5690-2	AMW-17	T	Water	WI-DRO	240-22646
Prep Batch: 240-23001					
LCS 240-23001/20-A	Lab Control Sample	T	Water	3520C	
MB 240-23001/19-A	Method Blank	T	Water	3520C	
240-5690-3	AMW-14	T	Water	3520C	
240-5690-3MS	Matrix Spike	T	Water	3520C	
240-5690-3MSD	Matrix Spike Duplicate	T	Water	3520C	
Analysis Batch:240-23146					
240-5690-1	AMW-16	T	Water	WI-DRO	240-22646
240-5690-3	AMW-14	T	Water	WI-DRO	240-22646
240-5690-3MS	Matrix Spike	T	Water	WI-DRO	240-22646
240-5690-3MSD	Matrix Spike Duplicate	T	Water	WI-DRO	240-22646
240-5690-4	AMW-12	T	Water	WI-DRO	240-22646
Analysis Batch:240-23591					
LCS 240-23001/20-A	Lab Control Sample	T	Water	8082	240-23001
MB 240-23001/19-A	Method Blank	T	Water	8082	240-23001
Analysis Batch:240-23972					
240-5690-3	AMW-14	T	Water	8082	240-23001
240-5690-3MS	Matrix Spike	T	Water	8082	240-23001
240-5690-3MSD	Matrix Spike Duplicate	T	Water	8082	240-23001
Prep Batch: 240-24277					
LCS 240-24277/8-A	Lab Control Sample	T	Water	3520C	
MB 240-24277/6-A	Method Blank	T	Water	3520C	
240-5690-3RE	AMW-14	T	Water	3520C	
240-5690-3MS	Matrix Spike	T	Water	3520C	
240-5690-3MSD	Matrix Spike Duplicate	T	Water	3520C	

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-24917					
LCS 240-24277/8-A	Lab Control Sample	T	Water	8082	240-24277
MB 240-24277/6-A	Method Blank	T	Water	8082	240-24277
240-5690-3RE	AMW-14	T	Water	8082	240-24277
240-5690-3MS	Matrix Spike	T	Water	8082	240-24277
240-5690-3MSD	Matrix Spike Duplicate	T	Water	8082	240-24277

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-22836					
LCS 240-22836/2-A	Lab Control Sample	T	Water	7470A	
MB 240-22836/1-A	Method Blank	T	Water	7470A	
240-5690-3	AMW-14	D	Water	7470A	
240-5690-3MS	Matrix Spike	D	Water	7470A	
240-5690-3MSD	Matrix Spike Duplicate	D	Water	7470A	
240-5690-4	AMW-12	D	Water	7470A	
Analysis Batch:240-23405					
LCS 240-22836/2-A	Lab Control Sample	T	Water	7470A	240-22836
MB 240-22836/1-A	Method Blank	T	Water	7470A	240-22836
240-5690-3	AMW-14	D	Water	7470A	240-22836
240-5690-3MS	Matrix Spike	D	Water	7470A	240-22836
240-5690-3MSD	Matrix Spike Duplicate	D	Water	7470A	240-22836
240-5690-4	AMW-12	D	Water	7470A	240-22836
Prep Batch: 240-23524					
LCS 240-23524/2-A	Lab Control Sample	R	Water	3005A	
MB 240-23524/1-A	Method Blank	R	Water	3005A	
240-5690-1	AMW-16	D	Water	3005A	
240-5690-2	AMW-17	D	Water	3005A	
240-5690-3	AMW-14	D	Water	3005A	
240-5690-3MS	Matrix Spike	D	Water	3005A	
240-5690-3MSD	Matrix Spike Duplicate	D	Water	3005A	
240-5690-4	AMW-12	D	Water	3005A	
Analysis Batch:240-23859					
LCS 240-23524/2-A	Lab Control Sample	R	Water	6010B	240-23524
MB 240-23524/1-A	Method Blank	R	Water	6010B	240-23524
240-5690-1	AMW-16	D	Water	6010B	240-23524
240-5690-2	AMW-17	D	Water	6010B	240-23524
240-5690-3	AMW-14	D	Water	6010B	240-23524
240-5690-3MS	Matrix Spike	D	Water	6010B	240-23524
240-5690-3MSD	Matrix Spike Duplicate	D	Water	6010B	240-23524
240-5690-4	AMW-12	D	Water	6010B	240-23524

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-5690-1	AMW-16	95	99	105	91
240-5690-2	AMW-17	87	92	100	88
240-5690-3	AMW-14	92	93	100	85
240-5690-4	AMW-12	90	100	107	88
240-5690-5	TRIP BLANK OD8(20111107)	96	94	105	93
MB 240-23766/5		96	95	104	94
LCS 240-23766/4		96	103	103	95
240-5690-3 MS	AMW-14 MS	98	106	108	94
240-5690-3 MSD	AMW-14 MSD	93	97	97	89

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5690-1	AMW-16	51	55	48	54	55	30X
240-5690-2	AMW-17	55	54	59	41	57	53
240-5690-3	AMW-14	49	53	52	51	55	25X
240-5690-3 RE	AMW-14 RE	60	65	66	73	75	37
240-5690-4	AMW-12	44	46	59	53	47	26X
MB 240-22858/22-A		55	63	44	59	62	71
MB 240-23673/21-A		70	72	66	80	75	87
LCS 240-22858/23-A		76	81	74	76	81	87
LCS 240-23673/22-A		77	81	78	90	89	86
240-5690-3 MS	AMW-14 MS	56	64	59	64	69	30X
240-5690-3 MS RE	AMW-14 MS RE	53	55	56	74	69	38
240-5690-3 MSD	AMW-14 MSD	59	65	61	69	67	42
240-5690-3 MSD RE	AMW-14 MSD RE	59	68	63	84	82	31X

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-5690-3	AMW-14	39	4X
240-5690-3 RE	AMW-14 RE	33	2X
MB 240-23001/19-A		76	81
MB 240-24277/6-A		72	87
LCS 240-23001/20-A		81	84
LCS 240-24277/8-A		66	86
240-5690-3 MS	AMW-14 MS	75	18
240-5690-3 MS	AMW-14 MS	59	20
240-5690-3 MSD	AMW-14 MSD	73	23
240-5690-3 MSD	AMW-14 MSD	41	13

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	23-136
DCB = DCB Decachlorobiphenyl	10-130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-23766 **Method: 8260B**
Preparation: 5030B

Lab Sample ID:	MB 240-23766/5	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1338.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1353	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1353				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	1.21	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-23766

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-23766/5	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1338.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1353	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1353				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	2.0
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	63 - 129
4-Bromofluorobenzene (Surr)	95	66 - 117
Toluene-d8 (Surr)	104	74 - 115
Dibromofluoromethane (Surr)	94	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Control Sample - Batch: 240-23766

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23766/4	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1337.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1330	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.93	99	72 - 116	
1,1,1-Trichloroethane	10.0	9.22	92	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.16	92	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.2	112	74 - 151	
1,1,2-Trichloroethane	10.0	10.2	102	80 - 112	
1,1-Dichloroethane	10.0	8.80	88	82 - 115	
1,1-Dichloroethene	10.0	9.22	92	78 - 131	
1,1-Dichloropropene	10.0	9.29	93	83 - 114	
1,2,3-Trichlorobenzene	10.0	10.3	103	54 - 126	
1,2,3-Trichloropropane	10.0	9.57	96	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.91	99	48 - 135	
1,2,4-Trimethylbenzene	10.0	10.0	100	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	10.2	102	42 - 136	
1,2-Dichlorobenzene	10.0	9.63	96	81 - 110	
1,2-Dichloroethane	10.0	9.30	93	71 - 127	
1,2-Dichloropropane	10.0	8.88	89	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.85	99	72 - 118	
1,3-Dichlorobenzene	10.0	9.84	98	80 - 110	
1,3-Dichloropropane	10.0	9.63	96	79 - 116	
1,4-Dichlorobenzene	10.0	9.52	95	82 - 110	
2,2-Dichloropropane	10.0	9.44	94	50 - 129	
2-Chlorotoluene	10.0	10.1	101	76 - 116	
2-Hexanone	20.0	19.2	96	55 - 133	
Bromobenzene	10.0	9.76	98	76 - 115	
Bromochloromethane	10.0	8.33	83	77 - 120	
4-Chlorotoluene	10.0	9.63	96	77 - 115	
p-Isopropyltoluene	10.0	10.3	103	74 - 120	
Acetone	20.0	17.4	87	43 - 136	
Benzene	10.0	9.06	91	83 - 112	
Bromoform	10.0	10.2	102	40 - 131	
Bromomethane	10.0	6.93	69	11 - 185	
Carbon disulfide	10.0	8.92	89	62 - 142	
Carbon tetrachloride	10.0	9.37	94	66 - 128	
Chlorobenzene	10.0	9.82	98	85 - 110	
Chloroethane	10.0	6.25	63	25 - 153	
Chloroform	10.0	9.53	95	79 - 117	
Chloromethane	10.0	7.47	75	44 - 126	
cis-1,2-Dichloroethene	10.0	8.57	86	80 - 113	
cis-1,3-Dichloropropene	10.0	8.77	88	61 - 115	
Cyclohexane	10.0	8.74	87	54 - 121	
Hexachlorobutadiene	10.0	9.78	98	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Control Sample - Batch: 240-23766

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23766/4	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1337.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1330	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.76	98	81 - 120	
Bromodichloromethane	10.0	9.43	94	72 - 121	
Dichlorodifluoromethane	10.0	7.09	71	19 - 129	
Ethyl ether	10.0	9.67	97	53 - 135	
Ethylbenzene	10.0	9.76	98	83 - 112	
1,2-Dibromoethane	10.0	9.80	98	79 - 113	
Naphthalene	10.0	10.1	101	32 - 141	
m-Xylene & p-Xylene	20.0	19.4	97	83 - 113	
n-Butylbenzene	10.0	9.78	98	66 - 125	
Isopropylbenzene	10.0	9.97	100	75 - 114	
Methyl acetate	10.0	7.69	77	58 - 131	J
N-Propylbenzene	10.0	9.76	98	74 - 121	
2-Butanone (MEK)	20.0	17.1	86	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	17.7	89	63 - 128	
sec-Butylbenzene	10.0	9.53	95	70 - 117	
Methyl tert butyl ether	10.0	9.38	94	52 - 144	
Methylene Chloride	10.0	9.15	92	66 - 131	
o-Xylene	10.0	9.43	94	83 - 113	
Styrene	10.0	9.82	98	79 - 114	
tert-Butylbenzene	10.0	10.4	104	71 - 115	
Tetrachloroethene	10.0	10.6	106	79 - 114	
Tetrahydrofuran	10.0	8.89	89	23 - 143	
Toluene	10.0	9.82	98	84 - 111	
trans-1,2-Dichloroethene	10.0	9.15	92	83 - 117	
trans-1,3-Dichloropropene	10.0	10.1	101	58 - 117	
Trichloroethene	10.0	9.05	91	76 - 117	
Trichlorofluoromethane	10.0	9.22	92	49 - 157	
Vinyl chloride	10.0	9.33	93	53 - 127	
Methylcyclohexane	10.0	8.71	87	56 - 127	
Chlorodibromomethane	10.0	9.44	94	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	63 - 129
4-Bromofluorobenzene (Surr)	103	66 - 117
Toluene-d8 (Surr)	103	74 - 115
Dibromofluoromethane (Surr)	95	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23766

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1359.D
Dilution:	11.76	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2145			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2145				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1360.D
Dilution:	11.76	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2207			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2207				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	100	92	64 - 118	8	30		
1,1,1-Trichloroethane	91	86	68 - 121	6	30		
1,1,2,2-Tetrachloroethane	83	84	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	100	91	70 - 152	10	30		
1,1,2-Trichloroethane	102	96	75 - 115	6	30		
1,1-Dichloroethane	88	84	79 - 116	5	30		
1,1-Dichloroethene	86	84	74 - 135	2	30		
1,1-Dichloropropene	87	85	80 - 114	3	30		
1,2,3-Trichlorobenzene	103	103	45 - 129	0	30		
1,2,3-Trichloropropane	88	90	67 - 132	1	30		
1,2,4-Trichlorobenzene	105	101	38 - 138	4	30		
1,2,4-Trimethylbenzene	106	100	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	88	98	32 - 139	10	30		
1,2-Dichlorobenzene	93	92	75 - 111	1	30		
1,2-Dichloroethane	96	92	68 - 129	4	30		
1,2-Dichloropropane	86	84	78 - 115	3	30		
1,3,5-Trimethylbenzene	97	96	63 - 121	1	30		
1,3-Dichlorobenzene	90	93	73 - 110	3	30		
1,3-Dichloropropane	100	93	74 - 118	7	30		
1,4-Dichlorobenzene	90	90	75 - 110	0	30		
2,2-Dichloropropane	82	83	38 - 127	1	30		
2-Chlorotoluene	95	94	69 - 117	1	30		
2-Hexanone	94	86	47 - 139	8	30		
Bromobenzene	92	96	71 - 116	4	30		
Bromochloromethane	86	81	73 - 121	6	30		
4-Chlorotoluene	89	92	71 - 116	4	30		
p-Isopropyltoluene	97	95	64 - 122	2	30		
Acetone	74	78	33 - 145	4	30		
Benzene	90	85	72 - 121	5	30		
Bromoform	94	87	32 - 128	8	30		
Bromomethane	59	59	10 - 186	1	30		
Carbon disulfide	82	79	57 - 147	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23766

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1359.D
Dilution:	11.76	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2145			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2145				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1360.D
Dilution:	11.76	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2207			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2207				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	94	90	59 - 129	4	30		
Chlorobenzene	100	91	80 - 110	10	30		
Chloroethane	53	54	21 - 165	1	30		
Chloroform	97	89	76 - 118	9	30		
Chloromethane	75	67	33 - 132	11	30		
cis-1,2-Dichloroethene	89	82	70 - 120	9	30		
cis-1,3-Dichloropropene	80	80	51 - 110	0	30		
Cyclohexane	75	71	49 - 123	4	30		
Hexachlorobutadiene	89	93	27 - 132	4	30		
Dibromomethane	91	92	77 - 121	1	30		
Bromodichloromethane	94	87	67 - 120	7	30		
Dichlorodifluoromethane	60	56	17 - 128	5	30		
Ethyl ether	95	87	63 - 136	8	30		
Ethylbenzene	126	96	75 - 116	10	30	F	
1,2-Dibromoethane	100	91	74 - 113	9	30		
Naphthalene	101	107	15 - 158	5	30		
m-Xylene & p-Xylene	122	90	75 - 117	9	30	F	
n-Butylbenzene	92	90	56 - 127	2	30		
Isopropylbenzene	100	91	68 - 116	8	30		
Methyl acetate	73	71	47 - 130	2	30	J	J
N-Propylbenzene	94	96	64 - 124	2	30		
2-Butanone (MEK)	83	78	54 - 129	6	30		
4-Methyl-2-pentanone (MIBK)	82	79	56 - 131	4	30		
sec-Butylbenzene	90	89	60 - 119	0	30		
Methyl tert butyl ether	88	87	46 - 144	0	30		
Methylene Chloride	86	85	63 - 128	2	30		
o-Xylene	111	96	76 - 116	7	30		
Styrene	105	97	71 - 117	8	30		
tert-Butylbenzene	0	0	61 - 119	NC	30	F	F
Tetrachloroethene	103	96	70 - 117	7	30		
Tetrahydrofuran	83	84	10 - 167	1	30		
Toluene	100	91	78 - 114	9	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23766

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1359.D
Dilution:	11.76	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2145			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2145				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23766	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1360.D
Dilution:	11.76	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2207			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2207				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	88	81	80 - 119	8	30		
trans-1,3-Dichloropropene	99	91	46 - 116	8	30		
Trichloroethene	90	89	66 - 120	2	30		
Trichlorofluoromethane	86	82	46 - 157	4	30		
Vinyl chloride	85	80	49 - 130	6	30		
Methylcyclohexane	76	75	49 - 127	1	30		
Chlorodibromomethane	96	87	56 - 118	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	93	63 - 129
4-Bromofluorobenzene (Surr)	106	97	66 - 117
Toluene-d8 (Surr)	108	97	74 - 115
Dibromofluoromethane (Surr)	94	89	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-22858 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-22858/22-A	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2011 1242	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	55	28 - 110
2-Fluorophenol (Surr)	63	10 - 110
2,4,6-Tribromophenol (Surr)	44	22 - 120
Nitrobenzene-d5 (Surr)	59	27 - 111
Phenol-d5 (Surr)	62	10 - 110
Terphenyl-d14 (Surr)	71	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Control Sample - Batch: 240-22858

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-22858/23-A	Analysis Batch:	240-23338	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1115025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/15/2011 2010	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	16.0	80	40 - 110	
Acenaphthylene	20.0	16.4	82	43 - 110	
Anthracene	20.0	16.4	82	54 - 114	
Benzo[a]anthracene	20.0	15.5	77	55 - 115	
Benzo[b]fluoranthene	20.0	16.6	83	43 - 122	
Benzo[k]fluoranthene	20.0	17.8	89	43 - 124	
Benzo[g,h,i]perylene	20.0	17.3	87	45 - 120	
Benzo[a]pyrene	20.0	14.5	72	43 - 116	
Chrysene	20.0	16.2	81	55 - 115	
2-Methylnaphthalene	20.0	15.9	80	35 - 110	
Dibenz(a,h)anthracene	20.0	16.0	80	46 - 122	
Fluoranthene	20.0	17.0	85	54 - 122	
Fluorene	20.0	16.6	83	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	16.7	84	46 - 121	
Naphthalene	20.0	16.2	81	31 - 110	
Phenanthrene	20.0	16.7	84	52 - 114	
Pyrene	20.0	16.3	82	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	76	28 - 110
2-Fluorophenol (Surr)	81	10 - 110
2,4,6-Tribromophenol (Surr)	74	22 - 120
Nitrobenzene-d5 (Surr)	76	27 - 111
Phenol-d5 (Surr)	81	10 - 110
Terphenyl-d14 (Surr)	87	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22858

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/14/2011 2001			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/14/2011 2018			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	59	63	36 - 110	7	30		
Acenaphthylene	59	61	39 - 110	4	30		
Acetophenone	107	107	50 - 130	0	30		
Anthracene	48	56	46 - 110	15	30		
Atrazine	64	69	50 - 130	8	30		
Benzaldehyde	79	70	10 - 130	12	30		
Benzo[a]anthracene	28	37	52 - 110	27	30	F	F
Benzo[b]fluoranthene	21	29	33 - 114	31	30	F	F
Benzo[k]fluoranthene	26	35	32 - 121	29	30	F	
Benzo[g,h,i]perylene	17	21	34 - 116	22	30	F	F
Benzo[a]pyrene	12	12	33 - 110	3	30	F	F
Butyl benzyl phthalate	41	50	51 - 121	20	30	F	F
1,1'-Biphenyl	56	60	50 - 130	6	30		
Bis(2-chloroethoxy)methane	66	69	35 - 110	3	30		
Bis(2-chloroethyl)ether	77	79	27 - 110	3	30		
Bis(2-ethylhexyl) phthalate	9	11	40 - 140	20	30	F	F
4-Bromophenyl phenyl ether	48	56	42 - 113	15	30		
Caprolactam	0	0	50 - 130	NC	30	F	F
Carbazole	63	64	49 - 114	3	30		
4-Chloroaniline	53	54	10 - 110	2	30		
4-Chloro-3-methylphenol	71	75	33 - 110	5	30		
2-Chloronaphthalene	60	63	34 - 110	6	30		
2-Chlorophenol	67	70	26 - 110	4	30		
4-Chlorophenyl phenyl ether	53	61	43 - 113	14	30		
Chrysene	30	42	52 - 111	33	30	F	F
2-Methylnaphthalene	69	72	35 - 110	4	30		
3 & 4 Methylphenol	72	74	25 - 110	2	30		
Dibenz(a,h)anthracene	17	22	35 - 118	25	30	F	F
Dibenzofuran	60	64	41 - 110	6	30		
3,3'-Dichlorobenzidine	0	0	10 - 110	NC	30	F	F
2,4-Dichlorophenol	69	72	30 - 110	5	30		
Diethyl phthalate	67	70	33 - 130	4	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22858

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/14/2011 2001			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/14/2011 2018			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-Dimethylphenol	63	65	11 - 110	2	30		
Dimethyl phthalate	67	69	36 - 124	3	30		
4,6-Dinitro-2-methylphenol	0	0	25 - 110	NC	30	F	F
2,4-Dinitrophenol	0	0	11 - 119	NC	30	F	F
2,4-Dinitrotoluene	70	72	46 - 119	3	30		
Di-n-butyl phthalate	46	53	50 - 117	15	30	F	
Di-n-octyl phthalate	8	9	36 - 124	17	30	F	F
Fluoranthene	40	52	53 - 111	27	30	F	F
Fluorene	59	65	43 - 110	10	30		
Hexachlorobenzene	35	46	40 - 113	28	30	F	
Hexachlorobutadiene	46	53	14 - 110	14	30		
Hexachlorocyclopentadiene	16	17	10 - 110	9	30	J	J
Hexachloroethane	109	112	10 - 110	3	30		F
Indeno[1,2,3-cd]pyrene	17	21	36 - 116	23	30	F	F
Isophorone	69	72	34 - 125	4	30		
2-Methylphenol	79	82	26 - 110	4	30		
Naphthalene	69	71	32 - 110	3	30		
2-Nitroaniline	67	68	31 - 129	1	30		
3-Nitroaniline	59	60	23 - 112	1	30		
4-Nitroaniline	55	0	26 - 115	NC	30		F
Nitrobenzene	67	70	26 - 118	5	30		
2-Nitrophenol	66	66	30 - 110	1	30		
4-Nitrophenol	42	45	13 - 127	7	30		
N-Nitrosodiphenylamine	45	40	28 - 118	12	30		
N-Nitrosodi-n-propylamine	0	8	25 - 119	NC	30	F	F
2,2'-oxybis[1-chloropropane]	62	64	25 - 128	3	30		
Pentachlorophenol	0	22	23 - 110	NC	30	F	J F
Phenanthrene	52	59	47 - 110	13	30		
Phenol	65	67	16 - 110	3	30		
Pyrene	39	50	54 - 115	25	30	F	F
2,4,5-Trichlorophenol	70	69	36 - 110	3	30		
2,4,6-Trichlorophenol	61	63	34 - 110	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22858

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/14/2011 2001			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23075	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22858	Lab File ID:	1114033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/14/2011 2018			Final Weight/Volume:	2 mL
Prep Date:	11/11/2011 0841			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,6-Dinitrotoluene	72	72	48 - 115	0	30		

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		59	28 - 110
2-Fluorophenol (Surr)	64		65	10 - 110
2,4,6-Tribromophenol (Surr)	59		61	22 - 120
Nitrobenzene-d5 (Surr)	64		69	27 - 111
Phenol-d5 (Surr)	69		67	10 - 110
Terphenyl-d14 (Surr)	30	X	42	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-23673 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-23673/21-A	Analysis Batch:	240-24295	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1122004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2011 1006	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
Atrazine	ND		0.34	1.0
Benzaldehyde	ND		0.39	1.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Butyl benzyl phthalate	ND		0.80	1.0
1,1'-Biphenyl	ND		0.80	1.0
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.80	2.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
Caprolactam	ND		0.80	5.0
Carbazole	ND		0.28	1.0
4-Chloroaniline	ND		0.80	2.0
4-Chloro-3-methylphenol	ND		0.80	2.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
Chrysene	ND		0.10	0.20
2-Methylnaphthalene	ND		0.10	0.20
3 & 4 Methylphenol	ND		0.75	2.0
Dibenz(a,h)anthracene	ND		0.10	0.20
Dibenzofuran	ND		0.10	1.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Diethyl phthalate	ND		0.60	1.0
2,4-Dimethylphenol	ND		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
2,4-Dinitrophenol	ND		2.4	5.0
2,4-Dinitrotoluene	ND		0.27	5.0
Di-n-butyl phthalate	ND		0.67	1.0
Di-n-octyl phthalate	ND		0.80	1.0
Fluoranthene	ND		0.10	0.20
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-23673 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-23673/21-A	Analysis Batch:	240-24295	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1122004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2011 1006	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20
Isophorone	ND		0.27	1.0
2-Methylphenol	ND		0.80	1.0
Naphthalene	ND		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
3-Nitroaniline	ND		0.28	2.0
4-Nitroaniline	ND		0.80	2.0
Nitrobenzene	ND		0.040	1.0
2-Nitrophenol	ND		0.28	2.0
4-Nitrophenol	ND		2.4	5.0
N-Nitrosodiphenylamine	ND		0.31	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Pentachlorophenol	ND		2.4	5.0
Phenanthrene	ND		0.10	0.20
Phenol	ND		0.60	1.0
Pyrene	ND		0.10	0.20
2,4,5-Trichlorophenol	ND		0.30	5.0
2,4,6-Trichlorophenol	ND		0.80	5.0
2,6-Dinitrotoluene	ND		0.80	5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	70	28 - 110
2-Fluorophenol (Surr)	72	10 - 110
2,4,6-Tribromophenol (Surr)	66	22 - 120
Nitrobenzene-d5 (Surr)	80	27 - 111
Phenol-d5 (Surr)	75	10 - 110
Terphenyl-d14 (Surr)	87	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Control Sample - Batch: 240-23673

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-23673/22-A	Analysis Batch:	240-24295	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1122005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2011 1022	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	16.3	82	40 - 110	
Acenaphthylene	20.0	16.3	82	43 - 110	
Acetophenone	20.0	16.9	84	50 - 130	
Anthracene	20.0	16.5	82	54 - 114	
Atrazine	20.0	19.1	95	50 - 130	
Benzaldehyde	20.0	23.2	116	10 - 130	
Benzo[a]anthracene	20.0	15.9	80	55 - 115	
Benzo[b]fluoranthene	20.0	15.6	78	43 - 122	
Benzo[k]fluoranthene	20.0	16.4	82	43 - 124	
Benzo[g,h,i]perylene	20.0	16.6	83	45 - 120	
Benzo[a]pyrene	20.0	13.9	70	43 - 116	
Butyl benzyl phthalate	20.0	15.8	79	53 - 126	
1,1'-Biphenyl	20.0	15.5	77	50 - 130	
Bis(2-chloroethoxy)methane	20.0	17.1	86	39 - 110	
Bis(2-chloroethyl)ether	20.0	18.1	91	34 - 113	
Bis(2-ethylhexyl) phthalate	20.0	12.2	61	36 - 163	
4-Bromophenyl phenyl ether	20.0	16.1	80	51 - 114	
Caprolactam	20.0	15.1	75	50 - 130	
Carbazole	20.0	16.3	81	53 - 120	
4-Chloroaniline	20.0	13.6	68	10 - 110	
4-Chloro-3-methylphenol	20.0	16.6	83	39 - 110	
2-Chloronaphthalene	20.0	15.5	78	39 - 110	
2-Chlorophenol	20.0	16.1	80	27 - 110	
4-Chlorophenyl phenyl ether	20.0	16.2	81	50 - 115	
Chrysene	20.0	16.5	83	55 - 115	
2-Methylnaphthalene	20.0	16.5	82	35 - 110	
3 & 4 Methylphenol	40.0	35.4	89	32 - 110	
Dibenz(a,h)anthracene	20.0	16.0	80	46 - 122	
Dibenzofuran	20.0	15.8	79	46 - 111	
3,3'-Dichlorobenzidine	20.0	9.34	47	19 - 110	
2,4-Dichlorophenol	20.0	16.8	84	33 - 110	
Diethyl phthalate	20.0	16.4	82	33 - 134	
2,4-Dimethylphenol	20.0	14.0	70	12 - 110	
Dimethyl phthalate	20.0	16.5	83	15 - 143	
4,6-Dinitro-2-methylphenol	20.0	16.5	83	28 - 112	
2,4-Dinitrophenol	20.0	12.8	64	17 - 112	
2,4-Dinitrotoluene	20.0	16.6	83	52 - 123	
Di-n-butyl phthalate	20.0	17.9	89	55 - 122	
Di-n-octyl phthalate	20.0	11.5	58	44 - 128	
Fluoranthene	20.0	17.7	88	54 - 122	
Fluorene	20.0	16.8	84	47 - 112	

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Lab Control Sample - Batch: 240-23673

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-23673/22-A	Analysis Batch:	240-24295	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1122005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2011 1022	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobenzene	20.0	15.8	79	51 - 112	
Hexachlorobutadiene	20.0	15.3	76	13 - 110	
Hexachlorocyclopentadiene	20.0	8.26	41	10 - 110	J
Hexachloroethane	20.0	14.5	72	12 - 110	
Indeno[1,2,3-cd]pyrene	20.0	15.6	78	46 - 121	
Isophorone	20.0	18.0	90	44 - 128	
2-Methylphenol	20.0	16.2	81	30 - 110	
Naphthalene	20.0	16.9	85	31 - 110	
2-Nitroaniline	20.0	17.8	89	43 - 130	
3-Nitroaniline	20.0	14.4	72	45 - 116	
4-Nitroaniline	20.0	16.7	83	45 - 120	
Nitrobenzene	20.0	17.9	90	37 - 115	
2-Nitrophenol	20.0	16.8	84	29 - 110	
4-Nitrophenol	20.0	16.3	81	12 - 130	
N-Nitrosodiphenylamine	20.0	14.6	73	53 - 113	
N-Nitrosodi-n-propylamine	20.0	18.0	90	37 - 121	
2,2'-oxybis[1-chloropropane]	20.0	19.8	99	25 - 128	
Pentachlorophenol	20.0	11.6	58	26 - 110	
Phenanthrene	20.0	16.7	83	52 - 114	
Phenol	20.0	17.9	89	14 - 112	
Pyrene	20.0	15.9	80	55 - 120	
2,4,5-Trichlorophenol	20.0	16.1	80	39 - 110	
2,4,6-Trichlorophenol	20.0	16.3	82	35 - 110	
2,6-Dinitrotoluene	20.0	16.7	84	52 - 119	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	77	28 - 110
2-Fluorophenol (Surr)	81	10 - 110
2,4,6-Tribromophenol (Surr)	78	22 - 120
Nitrobenzene-d5 (Surr)	90	27 - 111
Phenol-d5 (Surr)	89	10 - 110
Terphenyl-d14 (Surr)	86	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	53	59		28 - 110
2-Fluorophenol (Surr)	55	68		10 - 110
2,4,6-Tribromophenol (Surr)	56	63		22 - 120
Nitrobenzene-d5 (Surr)	74	84		27 - 111
Phenol-d5 (Surr)	69	82		10 - 110
Terphenyl-d14 (Surr)	38	31	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23673

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5690-3RE	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/21/2011 1717	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3RE	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/21/2011 1734	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	56	62	36 - 110	11	30	H	H
Acenaphthylene	54	62	39 - 110	14	30	H	H
Acetophenone	0	0	50 - 130	NC	30	H F	H F
Anthracene	48	47	46 - 110	3	30	H	H
Atrazine	65	75	50 - 130	13	30	H	H
Benzaldehyde	79	101	10 - 130	25	30	H	H
Benzo[a]anthracene	34	28	52 - 110	19	30	H F	H F
Benzo[b]fluoranthene	25	21	33 - 114	18	30	H F	H F
Benzo[k]fluoranthene	31	24	32 - 121	25	30	H F	H F
Benzo[g,h,i]perylene	20	18	34 - 116	14	30	H F	H F
Benzo[a]pyrene	24	20	33 - 110	19	30	H F	H F
Butyl benzyl phthalate	41	41	51 - 121	1	30	H F	H F
1,1'-Biphenyl	52	57	50 - 130	10	30	H	H
Bis(2-chloroethoxy)methane	61	71	35 - 110	16	30	H	H
Bis(2-chloroethyl)ether	67	84	27 - 110	23	30	H	H
Bis(2-ethylhexyl) phthalate	13	13	40 - 140	2	30	H F	H F
4-Bromophenyl phenyl ether	45	44	42 - 113	4	30	H	H
Caprolactam	51	0	50 - 130	NC	30	H	H F
Carbazole	59	66	49 - 114	12	30	H	H
4-Chloroaniline	46	54	10 - 110	17	30	H	H
4-Chloro-3-methylphenol	60	69	33 - 110	15	30	H	H
2-Chloronaphthalene	54	61	34 - 110	12	30	H	H
2-Chlorophenol	57	68	26 - 110	19	30	H	H
4-Chlorophenyl phenyl ether	48	49	43 - 113	1	30	H	H
Chrysene	36	31	52 - 111	16	30	H F	H F
2-Methylnaphthalene	75	85	35 - 110	13	30	H	H
3 & 4 Methylphenol	67	79	25 - 110	17	30	H	H
Dibenz(a,h)anthracene	20	16	35 - 118	22	30	H F	H F
Dibenzofuran	54	58	41 - 110	8	30	H	H
3,3'-Dichlorobenzidine	18	25	10 - 110	30	30	J H	J H
2,4-Dichlorophenol	56	68	30 - 110	20	30	H	H
Diethyl phthalate	59	68	33 - 130	14	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23673

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5690-3RE	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/21/2011 1717	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3RE	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/21/2011 1734	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-Dimethylphenol	73	88	11 - 110	14	30	H	H
Dimethyl phthalate	60	69	36 - 124	14	30	H	H
4,6-Dinitro-2-methylphenol	56	63	25 - 110	12	30	H	H
2,4-Dinitrophenol	46	50	11 - 119	8	30	H	H
2,4-Dinitrotoluene	58	68	46 - 119	15	30	H	H
Di-n-butyl phthalate	47	49	50 - 117	2	30	H F	H F
Di-n-octyl phthalate	6	6	36 - 124	6	30	H F	H F
Fluoranthene	44	39	53 - 111	12	30	H F	H F
Fluorene	55	58	43 - 110	6	30	H	H
Hexachlorobenzene	38	34	40 - 113	13	30	H F	H F
Hexachlorobutadiene	43	42	14 - 110	3	30	H	H
Hexachlorocyclopentadiene	20	17	10 - 110	16	30	J H	J H
Hexachloroethane	125	144	10 - 110	14	30	H F	H F
Indeno[1,2,3-cd]pyrene	20	16	36 - 116	23	30	H F	H F
Isophorone	72	81	34 - 125	12	30	H	H
2-Methylphenol	85	88	26 - 110	4	30	H	H
Naphthalene	80	94	32 - 110	16	30	H	H
2-Nitroaniline	66	77	31 - 129	15	30	H	H
3-Nitroaniline	46	54	23 - 112	15	30	H	H
4-Nitroaniline	51	59	26 - 115	15	30	H	H
Nitrobenzene	66	76	26 - 118	14	30	H	H
2-Nitrophenol	57	70	30 - 110	20	30	H	H
4-Nitrophenol	55	63	13 - 127	15	30	H	H
N-Nitrosodiphenylamine	53	61	28 - 118	14	30	H	H
N-Nitrosodi-n-propylamine	66	80	25 - 119	19	30	H	H
2,2'-oxybis[1-chloropropane]	66	80	25 - 128	18	30	H	H
Pentachlorophenol	54	56	23 - 110	4	30	H	H
Phenanthrene	51	50	47 - 110	1	30	H	H
Phenol	63	76	16 - 110	18	30	H	H
Pyrene	43	38	54 - 115	13	30	H F	H F
2,4,5-Trichlorophenol	62	72	36 - 110	15	30	H	H
2,4,6-Trichlorophenol	54	62	34 - 110	14	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23673

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5690-3RE	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/21/2011 1717	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3RE	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/21/2011 1734	Run Type:	RE	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,6-Dinitrotoluene	60	69	48 - 115	14	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-22867 **Method: WI-GRO**
Preparation: 5030B

Lab Sample ID:	MB 240-22867/6	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1335	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1335			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-22867 **Method: WI-GRO**
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-22867/7	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111107.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1413	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1413			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-22867/18	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111118.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 2108	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 2108			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	103	93	80 - 120	10	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22867

Method: WI-GRO
Preparation: 5030B

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111116.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1953			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1953			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111117.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 2031			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 2031			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	-135	-138	80 - 120	1	20	F	F

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-23001

Method: 8082
Preparation: 3520C

Lab Sample ID:	MB 240-23001/19-A	Analysis Batch:	240-23591	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-23001	Lab File ID:	P1101622.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/16/2011 1841	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/12/2011 0744			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.10
Aroclor-1221	ND		0.045	0.10
Aroclor-1232	ND		0.073	0.10
Aroclor-1242	ND		0.060	0.10
Aroclor-1248	ND		0.061	0.10
Aroclor-1254	ND		0.032	0.10
Aroclor-1260	ND		0.038	0.10

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	23 - 136
DCB Decachlorobiphenyl	81	10 - 130

Lab Control Sample - Batch: 240-23001

Method: 8082
Preparation: 3520C

Lab Sample ID:	LCS 240-23001/20-A	Analysis Batch:	240-23591	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-23001	Lab File ID:	P1101623.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/16/2011 1854	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/12/2011 0744			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	10.0	9.08	91	66 - 120	
Aroclor-1260	10.0	9.32	93	55 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	81	23 - 136
DCB Decachlorobiphenyl	84	10 - 130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23001

Method: 8082
Preparation: 3520C

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23972	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-23001	Lab File ID:	P1201807.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/18/2011 1336			Final Weight/Volume:	2 mL
Prep Date:	11/12/2011 0744			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23972	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-23001	Lab File ID:	P1201808.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/18/2011 1351			Final Weight/Volume:	2 mL
Prep Date:	11/12/2011 0744			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	87	77	67 - 120	12	30		
Aroclor-1260	49	45	31 - 120	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	75	73	23 - 136
DCB Decachlorobiphenyl	18	23	10 - 130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-24277

Method: 8082
Preparation: 3520C

Lab Sample ID:	MB 240-24277/6-A	Analysis Batch:	240-24917	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-24277	Lab File ID:	P1203022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/30/2011 0609	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0727			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.10
Aroclor-1221	ND		0.045	0.10
Aroclor-1232	ND		0.073	0.10
Aroclor-1242	ND		0.060	0.10
Aroclor-1248	ND		0.061	0.10
Aroclor-1254	ND		0.032	0.10
Aroclor-1260	ND		0.038	0.10

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	72	23 - 136
DCB Decachlorobiphenyl	87	10 - 130

Lab Control Sample - Batch: 240-24277

Method: 8082
Preparation: 3520C

Lab Sample ID:	LCS 240-24277/8-A	Analysis Batch:	240-24917	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-24277	Lab File ID:	P1203023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/30/2011 0623	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0727			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.06	82	66 - 120	
Aroclor-1260	2.50	2.42	97	55 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	66	23 - 136
DCB Decachlorobiphenyl	86	10 - 130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24277

Method: 8082
Preparation: 3520C

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-24917	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-24277	Lab File ID:	P1203020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/30/2011 0540			Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0727			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-24917	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-24277	Lab File ID:	P1203021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/30/2011 0555			Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0727			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	68	49	67 - 120	32	30	H	H F
Aroclor-1260	55	40	31 - 120	31	30	H	H F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	59	41	23 - 136
DCB Decachlorobiphenyl	20	13	10 - 130

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-22646

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-22646/9-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2011 1207	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-22646

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-22646/10-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2011 1232	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 240-22646/11-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2011 1609	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	90	89	75 - 115	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22646

Method: WI-DRO
Preparation: 3510C

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	495 mL
Analysis Date:	11/14/2011 2049			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	495 mL
Analysis Date:	11/14/2011 2113			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	188	153	60 - 130	13	25	F	F

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-23524

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-23524/1-A	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1659	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	1.37	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-23524

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-23524/2-A	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1706	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2090	105	80 - 120	
Cadmium	50.0	49.5	99	80 - 120	
Chromium	200	198	99	80 - 120	
Silver	50.0	52.2	104	80 - 120	
Arsenic	2000	2010	101	80 - 120	
Lead	500	494	99	80 - 120	
Selenium	2000	1960	98	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23524

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1724			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1742			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	104	107	75 - 125	3	20		
Cadmium	98	100	75 - 125	3	20		
Chromium	97	99	75 - 125	2	20		
Silver	103	106	75 - 125	3	20		
Arsenic	100	103	75 - 125	3	20		
Lead	98	100	75 - 125	2	20		
Selenium	98	100	75 - 125	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5690-1

Method Blank - Batch: 240-22836

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-22836/1-A	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1631	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-22836

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-22836/2-A	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1632	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.45	89	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22836

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-5690-3	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1637			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-3	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1639			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	84	69 - 134	11	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-5690-1

Login Number: 5690

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1/2.9/3.3/3.0/3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-5702-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
11/30/2011 2:27 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
11/30/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-5702-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/09/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2), ASB-198_6-8(20111104) (240-5702-3), ASB-199_0-2(20111104) (240-5702-4), ASB-199_2-4(20111104) (240-5702-5), ASB-200_0-2(20111104) (240-5702-6), ASB-200_4-6(20111104) (240-5702-7) and MB-013(20111104) (240-5702-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 11/11/2011 and analyzed on 11/14/2011.

Naphthalene was detected in method blank MB 240-23000/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2), ASB-198_6-8(20111104) (240-5702-3), ASB-199_0-2(20111104) (240-5702-4), ASB-199_2-4(20111104) (240-5702-5), ASB-200_0-2(20111104) (240-5702-6) and ASB-200_4-6(20111104) (240-5702-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/14/2011 and 11/15/2011 and analyzed on 11/17/2011 and 11/18/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr), Phenol-d5 (Surr) and Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for ASB-198_6-8(20111104) (240-5702-3). Refer to the QC report for details.

Benzo[b]fluoranthene exceeded the rpd limit for the MSD of sample ASB-199_0-2(20111104)MSD (240-5702-4) in batch 240-23757.

Refer to the QC report for details.

Samples ASB-196_4-6(20111104) (240-5702-1)[4X] and ASB-198_6-8(20111104) (240-5702-3)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: ASB-196_4-6(20111104) (240-5702-1). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2), ASB-198_6-8(20111104) (240-5702-3), ASB-199_0-2(20111104) (240-5702-4), ASB-199_2-4(20111104) (240-5702-5), ASB-200_0-2(20111104) (240-5702-6) and ASB-200_4-6(20111104) (240-5702-7) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were prepared on 11/15/2011 and analyzed on 11/16/2011.

WI Gasoline Range Organics (C6-C10) exceeded the rpd limit for the MSD of sample ASB-199_0-2(20111104)MSD (240-5702-4) in batch 240-23483.

Refer to the QC report for details.

No other difficulties were encountered during the WI-GRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2), ASB-198_6-8(20111104) (240-5702-3), ASB-199_0-2(20111104) (240-5702-4), ASB-199_2-4(20111104) (240-5702-5), ASB-200_0-2(20111104) (240-5702-6) and ASB-200_4-6(20111104) (240-5702-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/10/2011 and analyzed on 11/11/2011.

No difficulties were encountered during the WI-DRO analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2), ASB-198_6-8(20111104) (240-5702-3), ASB-199_0-2(20111104) (240-5702-4), ASB-199_2-4(20111104) (240-5702-5), ASB-200_0-2(20111104) (240-5702-6) and ASB-200_4-6(20111104) (240-5702-7) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/10/2011 and analyzed on 11/17/2011.

Several analytes were detected in method blank MB 240-22729/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2) and ASB-198_6-8(20111104) (240-5702-3) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 11/10/2011 and analyzed on 11/11/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-196_4-6(20111104) (240-5702-1), ASB-197_4-6(20111104) (240-5702-2), ASB-198_6-8(20111104) (240-5702-3), ASB-199_0-2(20111104) (240-5702-4), ASB-199_2-4(20111104) (240-5702-5), ASB-200_0-2(20111104) (240-5702-6) and

ASB-200_4-6(20111104) (240-5702-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/10/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5702-1	**ASB-196_4-6(20111104)**					
1,2,4-Trimethylbenzene		9.7	J	250	ug/Kg	8260B
Methyl acetate		55	J	500	ug/Kg	8260B
Methylcyclohexane		18	J	500	ug/Kg	8260B
m-Xylene & p-Xylene		7.6	J	500	ug/Kg	8260B
Naphthalene		16	J B	250	ug/Kg	8260B
Pyrene		26	J	1500	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		38		9.1	mg/Kg	WI-DRO
Aluminum		7400		23	mg/Kg	6010B
Antimony		0.93	J	1.1	mg/Kg	6010B
Barium		31	B	23	mg/Kg	6010B
Beryllium		0.39	J	0.57	mg/Kg	6010B
Calcium		36000	B	570	mg/Kg	6010B
Cobalt		7.8		5.7	mg/Kg	6010B
Chromium		15		0.57	mg/Kg	6010B
Copper		14		2.9	mg/Kg	6010B
Iron		16000		11	mg/Kg	6010B
Potassium		2700	B	570	mg/Kg	6010B
Magnesium		6700	B	570	mg/Kg	6010B
Manganese		220	B	1.7	mg/Kg	6010B
Nickel		18	B	4.6	mg/Kg	6010B
Vanadium		12		5.7	mg/Kg	6010B
Zinc		26		2.3	mg/Kg	6010B
Arsenic		3.9		1.1	mg/Kg	6010B
Lead		9.0		0.34	mg/Kg	6010B
Thallium		1.1		1.1	mg/Kg	6010B
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5702-2	**ASB-197_4-6(20111104)**					
2-Butanone (MEK)		87	J	1100	ug/Kg	8260B
Methyl acetate		57	J	530	ug/Kg	8260B
Naphthalene		13	J B	270	ug/Kg	8260B
Fluoranthene		7.4	J	390	ug/Kg	8270C
Pyrene		6.2	J	390	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.6	J	9.5	mg/Kg	WI-DRO
Aluminum		8000		20	mg/Kg	6010B
Barium		27	B	20	mg/Kg	6010B
Beryllium		0.56		0.51	mg/Kg	6010B
Calcium		19000	B	510	mg/Kg	6010B
Cobalt		12		5.1	mg/Kg	6010B
Chromium		14		0.51	mg/Kg	6010B
Copper		22		2.5	mg/Kg	6010B
Iron		14000		10	mg/Kg	6010B
Potassium		4400	B	510	mg/Kg	6010B
Magnesium		10000	B	510	mg/Kg	6010B
Manganese		260	B	1.5	mg/Kg	6010B
Sodium		69	J	510	mg/Kg	6010B
Nickel		23	B	4.1	mg/Kg	6010B
Vanadium		4.7	J	5.1	mg/Kg	6010B
Zinc		22		2.0	mg/Kg	6010B
Arsenic		4.3		1.0	mg/Kg	6010B
Lead		3.2		0.31	mg/Kg	6010B
Thallium		1.2		1.0	mg/Kg	6010B
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5702-3	**ASB-198_6-8(20111104)**					
1,2,4-Trimethylbenzene		20	J	280	ug/Kg	8260B
2-Butanone (MEK)		120	J	1100	ug/Kg	8260B
Carbon disulfide		54	J	280	ug/Kg	8260B
Ethylbenzene		10	J	280	ug/Kg	8260B
Methyl acetate		220	J	570	ug/Kg	8260B
Methylcyclohexane		91	J	570	ug/Kg	8260B
m-Xylene & p-Xylene		38	J	570	ug/Kg	8260B
Naphthalene		76	J B	280	ug/Kg	8260B
o-Xylene		28	J	280	ug/Kg	8260B
Toluene		34	J	280	ug/Kg	8260B
2-Methylnaphthalene		4000	J	39000	ug/Kg	8270C
Acenaphthene		14000	J	39000	ug/Kg	8270C
Anthracene		20000	J	39000	ug/Kg	8270C
Benzo[a]anthracene		54000		39000	ug/Kg	8270C
Benzo[a]pyrene		43000		39000	ug/Kg	8270C
Benzo[b]fluoranthene		64000		39000	ug/Kg	8270C
Benzo[g,h,i]perylene		25000	J	39000	ug/Kg	8270C
Benzo[k]fluoranthene		17000	J	39000	ug/Kg	8270C
Carbazole		11000	J	39000	ug/Kg	8270C
Chrysene		50000		39000	ug/Kg	8270C
Dibenz(a,h)anthracene		7600	J	39000	ug/Kg	8270C
Dibenzofuran		6500	J	39000	ug/Kg	8270C
Fluoranthene		130000		39000	ug/Kg	8270C
Fluorene		14000	J	39000	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		21000	J	39000	ug/Kg	8270C
Naphthalene		7500	J	39000	ug/Kg	8270C
Phenanthrene		88000		39000	ug/Kg	8270C
Pyrene		83000		39000	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		57		9.7	mg/Kg	WI-DRO
Aluminum		4900		23	mg/Kg	6010B
Antimony		1.3		1.1	mg/Kg	6010B
Barium		170	B	23	mg/Kg	6010B
Beryllium		0.14	J	0.57	mg/Kg	6010B
Calcium		15000	B	570	mg/Kg	6010B
Cadmium		0.48		0.23	mg/Kg	6010B
Cobalt		4.9	J	5.7	mg/Kg	6010B
Chromium		12		0.57	mg/Kg	6010B
Copper		19		2.8	mg/Kg	6010B
Iron		10000		11	mg/Kg	6010B
Potassium		670	B	570	mg/Kg	6010B
Magnesium		4200	B	570	mg/Kg	6010B
Manganese		380	B	1.7	mg/Kg	6010B
Sodium		120	J	570	mg/Kg	6010B
Nickel		12	B	4.6	mg/Kg	6010B
Vanadium		15		5.7	mg/Kg	6010B
Zinc		130		2.3	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Arsenic		11		1.1	mg/Kg	6010B
Lead		130		0.34	mg/Kg	6010B
Thallium		0.99	J	1.1	mg/Kg	6010B
Mercury		0.063	J	0.080	mg/Kg	7471A
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-5702-4	**ASB-199_0-2(20111104)**					
2-Butanone (MEK)		88	J	1000	ug/Kg	8260B
Methyl acetate		57	J	520	ug/Kg	8260B
Benzo[a]anthracene		19	J	370	ug/Kg	8270C
Benzo[a]pyrene		21	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		34	J	370	ug/Kg	8270C
Benzo[g,h,i]perylene		20	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		4.9	J	370	ug/Kg	8270C
Chrysene		24	J	370	ug/Kg	8270C
Fluoranthene		39	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		13	J	370	ug/Kg	8270C
Phenanthrene		14	J	370	ug/Kg	8270C
Pyrene		29	J	370	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		4.3	J	9.2	mg/Kg	WI-DRO
Lead		9.8		0.32	mg/Kg	6010B
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-5702-5	**ASB-199_2-4(20111104)**					
2-Butanone (MEK)		82	J	1100	ug/Kg	8260B
Methyl acetate		30	J	550	ug/Kg	8260B
Naphthalene		8.4	J B	270	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		2.3	J	9.3	mg/Kg	WI-DRO
Lead		2.8		0.28	mg/Kg	6010B
Percent Solids		92		0.10	%	Moisture
Percent Moisture		8.5		0.10	%	Moisture
240-5702-6	**ASB-200_0-2(20111104)**					
Methyl acetate		28	J	500	ug/Kg	8260B
WI Diesel Range Organics (C10-C28)		2.0	J	8.5	mg/Kg	WI-DRO
Lead		1.9		0.27	mg/Kg	6010B
Percent Solids		95		0.10	%	Moisture
Percent Moisture		5.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5702-7	**ASB-200_4-6(20111104)**					
WI Diesel Range Organics (C10-C28)		2.1	J	9.5	mg/Kg	WI-DRO
Lead		3.5		0.32	mg/Kg	6010B
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap			SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction			SW846 3540C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Closed System Purge and Trap			SW846 5035
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)			WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals			SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury			SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SM
SW846 8270C	Gruber, John	JG
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-5702-1	ASB-196_4-6(20111104)	Solid	11/04/2011 0955	11/09/2011 0930
240-5702-2	ASB-197_4-6(20111104)	Solid	11/04/2011 1105	11/09/2011 0930
240-5702-3	ASB-198_6-8(20111104)	Solid	11/04/2011 1315	11/09/2011 0930
240-5702-4	ASB-199_0-2(20111104)	Solid	11/04/2011 1418	11/09/2011 0930
240-5702-4MS	ASB-199_0-2(20111104)	Solid	11/04/2011 1418	11/09/2011 0930
240-5702-4MSD	ASB-199_0-2(20111104)	Solid	11/04/2011 1418	11/09/2011 0930
240-5702-4DU	ASB-199_0-2(20111104)	Solid	11/04/2011 1418	11/09/2011 0930
240-5702-5	ASB-199_2-4(20111104)	Solid	11/04/2011 1435	11/09/2011 0930
240-5702-6	ASB-200_0-2(20111104)	Solid	11/04/2011 1518	11/09/2011 0930
240-5702-7	ASB-200_4-6(20111104)	Solid	11/04/2011 1530	11/09/2011 0930
240-5702-8TB	MB-013(20111104)	Solid	11/04/2011 0000	11/09/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142223.D
Dilution:	1.0			Initial Weight/Volume:	11.669 g
Analysis Date:	11/14/2011 1626			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.0	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.8	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		9.9	250
1,2,3-Trichlorobenzene		ND		9.9	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.2	250
1,2,4-Trimethylbenzene		9.7	J	5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		9.9	250
1,2-Dichlorobenzene		ND		8.5	250
1,2-Dichloroethane		ND		9.9	250
1,2-Dichloropropane		ND		8.1	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		7.9	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	990
2-Chlorotoluene		ND		8.9	250
2-Hexanone		ND		20	990
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.8	250
4-Methyl-2-pentanone (MIBK)		ND		48	990
Acetone		ND		170	990
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.8	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.7	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.8	250
cis-1,3-Dichloropropene		ND		7.8	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142223.D
Dilution:	1.0			Initial Weight/Volume:	11.669 g
Analysis Date:	11/14/2011 1626			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		55	J	25	500
Methyl tert butyl ether		ND		7.0	990
Methylcyclohexane		18	J	12	500
Methylene Chloride		ND		76	250
m-Xylene & p-Xylene		7.6	J	6.2	500
Naphthalene		16	J B	6.6	250
n-Butylbenzene		ND		7.9	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.4	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	990
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.1	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.6	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		39 - 128
4-Bromofluorobenzene (Surr)	74		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	75		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142224.D
Dilution:	1.0			Initial Weight/Volume:	11.2 g
Analysis Date:	11/14/2011 1648			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.7	270
1,1,1-Trichloroethane		ND		22	270
1,1,2,2-Tetrachloroethane		ND		9.5	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		22	270
1,2,4-Trichlorobenzene		ND		7.8	270
1,2,4-Trimethylbenzene		ND		5.3	270
1,2-Dibromo-3-Chloropropane		ND		53	530
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.2	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.7	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.1	270
1,3-Dichloropropane		ND		23	270
1,4-Dichlorobenzene		ND		8.5	270
2,2-Dichloropropane		ND		24	270
2-Butanone (MEK)		87	J	46	1100
2-Chlorotoluene		ND		9.6	270
2-Hexanone		ND		21	1100
Allyl chloride		ND		56	530
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		51	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.8	270
Chlorobenzene		ND		6.8	270
Chloroethane		ND		65	270
Chloroform		ND		9.4	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.3	270
cis-1,3-Dichloropropene		ND		8.4	270
Cyclohexane		ND		43	530
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142224.D
Dilution:	1.0			Initial Weight/Volume:	11.2 g
Analysis Date:	11/14/2011 1648			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	530
Ethyl ether		ND		16	530
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		6.9	270
Methyl acetate		57	J	27	530
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	530
Methylene Chloride		ND		82	270
m-Xylene & p-Xylene		ND		6.6	530
Naphthalene		13	J B	7.1	270
n-Butylbenzene		ND		8.5	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.1	270
p-Isopropyltoluene		ND		5.1	270
sec-Butylbenzene		ND		5.0	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		6.9	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		52	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.8	270
trans-1,3-Dichloropropene		ND		21	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		39 - 128
4-Bromofluorobenzene (Surr)	79		26 - 141
Dibromofluoromethane (Surr)	70		30 - 122
Toluene-d8 (Surr)	78		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142225.D
Dilution:	1.0			Initial Weight/Volume:	10.358 g
Analysis Date:	11/14/2011 1709			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		14	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.3	280
1,2,4-Trimethylbenzene		20	J	5.7	280
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.7	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.3	280
1,3,5-Trimethylbenzene		ND		6.6	280
1,3-Dichlorobenzene		ND		5.4	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.1	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		120	J	49	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		23	1100
Allyl chloride		ND		60	570
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		54	1100
Acetone		ND		190	1100
Benzene		ND		14	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		33	280
Carbon disulfide		54	J	14	280
Carbon tetrachloride		ND		7.2	280
Chlorobenzene		ND		7.2	280
Chloroethane		ND		69	280
Chloroform		ND		10	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.8	280
cis-1,3-Dichloropropene		ND		8.9	280
Cyclohexane		ND		45	570
Chlorodibromomethane		ND		14	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142225.D
Dilution:	1.0			Initial Weight/Volume:	10.358 g
Analysis Date:	11/14/2011 1709			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	570
Ethyl ether		ND		17	570
Ethylbenzene		10	J	6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.4	280
Methyl acetate		220	J	28	570
Methyl tert butyl ether		ND		8.0	1100
Methylcyclohexane		91	J	14	570
Methylene Chloride		ND		87	280
m-Xylene & p-Xylene		38	J	7.0	570
Naphthalene		76	J B	7.6	280
n-Butylbenzene		ND		9.1	280
N-Propylbenzene		ND		16	280
o-Xylene		28	J	9.6	280
p-Isopropyltoluene		ND		5.4	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.3	280
tert-Butylbenzene		ND		7.4	280
Tetrachloroethene		ND		14	280
Tetrahydrofuran		ND		55	1100
Toluene		34	J	19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		23	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		39 - 128
4-Bromofluorobenzene (Surr)	71		26 - 141
Dibromofluoromethane (Surr)	68		30 - 122
Toluene-d8 (Surr)	72		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418
Client Matrix: Solid % Moisture: 11.8 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142226.D
Dilution:	1.0			Initial Weight/Volume:	10.984 g
Analysis Date:	11/14/2011 1731			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.4	260
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.2	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	260
1,1,2-Trichloroethane		ND		12	260
1,1-Dichloroethane		ND		18	260
1,1-Dichloroethene		ND		19	260
1,1-Dichloropropene		ND		10	260
1,2,3-Trichlorobenzene		ND		10	260
1,2,3-Trichloropropane		ND		22	260
1,2,4-Trichlorobenzene		ND		7.5	260
1,2,4-Trimethylbenzene		ND		5.2	260
1,2-Dibromo-3-Chloropropane		ND		52	520
1,2-Dibromoethane		ND		10	260
1,2-Dichlorobenzene		ND		8.9	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.5	260
1,3,5-Trimethylbenzene		ND		6.0	260
1,3-Dichlorobenzene		ND		5.0	260
1,3-Dichloropropane		ND		23	260
1,4-Dichlorobenzene		ND		8.3	260
2,2-Dichloropropane		ND		24	260
2-Butanone (MEK)		88	J	44	1000
2-Chlorotoluene		ND		9.3	260
2-Hexanone		ND		21	1000
Allyl chloride		ND		55	520
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		50	1000
Acetone		ND		180	1000
Benzene		ND		12	260
Bromobenzene		ND		13	260
Bromochloromethane		ND		13	260
Bromodichloromethane		ND		10	260
Bromoform		ND		20	260
Bromomethane		ND		30	260
Carbon disulfide		ND		12	260
Carbon tetrachloride		ND		6.6	260
Chlorobenzene		ND		6.6	260
Chloroethane		ND		63	260
Chloroform		ND		9.1	260
Chloromethane		ND		14	260
cis-1,2-Dichloroethene		ND		7.1	260
cis-1,3-Dichloropropene		ND		8.2	260
Cyclohexane		ND		41	520
Chlorodibromomethane		ND		12	260
Dibromomethane		ND		14	260

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418
Client Matrix: Solid % Moisture: 11.8 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142226.D
Dilution:	1.0			Initial Weight/Volume:	10.984 g
Analysis Date:	11/14/2011 1731			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	260
Dichlorofluoromethane		ND		26	520
Ethyl ether		ND		15	520
Ethylbenzene		ND		5.6	260
Hexachlorobutadiene		ND		14	260
Isopropylbenzene		ND		6.7	260
Methyl acetate		57	J	26	520
Methyl tert butyl ether		ND		7.3	1000
Methylcyclohexane		ND		12	520
Methylene Chloride		ND		79	260
m-Xylene & p-Xylene		ND		6.4	520
Naphthalene		ND		6.9	260
n-Butylbenzene		ND		8.3	260
N-Propylbenzene		ND		14	260
o-Xylene		ND		8.8	260
p-Isopropyltoluene		ND		5.0	260
sec-Butylbenzene		ND		4.9	260
Styrene		ND		5.8	260
tert-Butylbenzene		ND		6.7	260
Tetrachloroethene		ND		12	260
Tetrahydrofuran		ND		51	1000
Toluene		ND		18	260
trans-1,2-Dichloroethene		ND		9.5	260
trans-1,3-Dichloropropene		ND		21	260
Trichloroethene		ND		10	260
Trichlorofluoromethane		ND		17	260
Vinyl chloride		ND		19	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	76		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435
Client Matrix: Solid % Moisture: 8.5 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142229.D
Dilution:	1.0			Initial Weight/Volume:	9.982 g
Analysis Date:	11/14/2011 1835			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.7	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		19	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		8.0	270
1,2,4-Trimethylbenzene		ND		5.5	270
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.4	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		9.0	270
1,3,5-Trimethylbenzene		ND		6.4	270
1,3-Dichlorobenzene		ND		5.3	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.8	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		82	J	47	1100
2-Chlorotoluene		ND		9.9	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	550
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		32	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		67	270
Chloroform		ND		9.6	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.6	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435
Client Matrix: Solid % Moisture: 8.5 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142229.D
Dilution:	1.0			Initial Weight/Volume:	9.982 g
Analysis Date:	11/14/2011 1835			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	270
Dichlorofluoromethane		ND		27	550
Ethyl ether		ND		16	550
Ethylbenzene		ND		5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.1	270
Methyl acetate		30	J	27	550
Methyl tert butyl ether		ND		7.8	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		84	270
m-Xylene & p-Xylene		ND		6.8	550
Naphthalene		8.4	J B	7.3	270
n-Butylbenzene		ND		8.8	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.3	270
p-Isopropyltoluene		ND		5.3	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		18	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		39 - 128
4-Bromofluorobenzene (Surr)	76		26 - 141
Dibromofluoromethane (Surr)	71		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518
Client Matrix: Solid % Moisture: 5.3 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142230.D
Dilution:	1.0			Initial Weight/Volume:	10.462 g
Analysis Date:	11/14/2011 1907			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.2	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		9.0	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.4	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.7	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.3	250
1,3,5-Trimethylbenzene		ND		5.9	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.1	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.1	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		54	500
4-Chlorotoluene		ND		10	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		10	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.5	250
Chlorobenzene		ND		6.5	250
Chloroethane		ND		62	250
Chloroform		ND		8.9	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		7.0	250
cis-1,3-Dichloropropene		ND		8.0	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518
Client Matrix: Solid % Moisture: 5.3 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142230.D
Dilution:	1.0			Initial Weight/Volume:	10.462 g
Analysis Date:	11/14/2011 1907			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.5	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.6	250
Methyl acetate		28	J	25	500
Methyl tert butyl ether		ND		7.2	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		78	250
m-Xylene & p-Xylene		ND		6.3	500
Naphthalene		ND		6.8	250
n-Butylbenzene		ND		8.1	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.6	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.7	250
tert-Butylbenzene		ND		6.6	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.3	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.8	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		39 - 128
4-Bromofluorobenzene (Surr)	83		26 - 141
Dibromofluoromethane (Surr)	82		30 - 122
Toluene-d8 (Surr)	83		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142231.D
Dilution:	1.0			Initial Weight/Volume:	10.553 g
Analysis Date:	11/14/2011 1929			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.9	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.7	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		19	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		8.0	270
1,2,4-Trimethylbenzene		ND		5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.4	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.9	270
1,3,5-Trimethylbenzene		ND		6.3	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.7	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.8	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		190	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		32	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		66	270
Chloroform		ND		9.6	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.5	270
cis-1,3-Dichloropropene		ND		8.6	270
Cyclohexane		ND		44	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142231.D
Dilution:	1.0			Initial Weight/Volume:	10.553 g
Analysis Date:	11/14/2011 1929			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.1	270
Methyl acetate		ND		27	540
Methyl tert butyl ether		ND		7.7	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		84	270
m-Xylene & p-Xylene		ND		6.8	540
Naphthalene		ND		7.3	270
n-Butylbenzene		ND		8.7	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.3	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		19	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND		20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		39 - 128
4-Bromofluorobenzene (Surr)	75		26 - 141
Dibromofluoromethane (Surr)	72		30 - 122
Toluene-d8 (Surr)	75		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **MB-013(20111104)**

Lab Sample ID: 240-5702-8TB Date Sampled: 11/04/2011 0000
Client Matrix: Solid Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142232.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	11/14/2011 1951			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **MB-013(20111104)**

Lab Sample ID: 240-5702-8TB Date Sampled: 11/04/2011 0000
Client Matrix: Solid Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-23000	Lab File ID:	142232.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	11/14/2011 1951			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		39 - 128
4-Bromofluorobenzene (Surr)	82		26 - 141
Dibromofluoromethane (Surr)	79		30 - 122
Toluene-d8 (Surr)	85		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117030.D
Dilution:	4.0			Initial Weight/Volume:	30.17 g
Analysis Date:	11/17/2011 2238			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		120	1500
2,2'-oxybis[1-chloropropane]		ND		44	1500
2,4,5-Trichlorophenol		ND		120	1500
2,4,6-Trichlorophenol		ND		370	1500
2,4-Dichlorophenol		ND		92	1500
2,4-Dimethylphenol		ND		92	1500
2,4-Dinitrophenol		ND		370	7400
2,4-Dinitrotoluene		ND		120	1500
2,6-Dinitrotoluene		ND		97	1500
2-Chloronaphthalene		ND		15	1500
2-Chlorophenol		ND		120	1500
2-Methylnaphthalene		ND		15	1500
2-Methylphenol		ND		370	1500
2-Nitroaniline		ND		42	7400
2-Nitrophenol		ND		120	1500
3,3'-Dichlorobenzidine		ND		83	7400
3-Nitroaniline		ND		74	7400
4,6-Dinitro-2-methylphenol		ND		370	7400
4-Bromophenyl phenyl ether		ND		60	1500
4-Chloro-3-methylphenol		ND		97	1500
4-Chloroaniline		ND		78	1500
4-Chlorophenyl phenyl ether		ND		60	1500
4-Nitroaniline		ND		120	7400
4-Nitrophenol		ND		370	7400
Acenaphthene		ND		15	1500
Acenaphthylene		ND		15	1500
Acetophenone		ND		42	1500
Anthracene		ND		15	1500
Atrazine		ND		42	1500
Benzaldehyde		ND		55	1500
Benzo[a]anthracene		ND		15	1500
Benzo[a]pyrene		ND		15	1500
Benzo[b]fluoranthene		ND		15	1500
Benzo[g,h,i]perylene		ND		15	1500
Benzo[k]fluoranthene		ND		15	1500
Bis(2-chloroethoxy)methane		ND		100	1500
Bis(2-chloroethyl)ether		ND		9.2	1500
Bis(2-ethylhexyl) phthalate		ND		88	1500
Butyl benzyl phthalate		ND		46	1500
Caprolactam		ND	*	170	1500
Carbazole		ND		120	1500
Chrysene		ND		5.1	1500
Dibenz(a,h)anthracene		ND		15	1500
Dibenzofuran		ND		15	1500
Diethyl phthalate		ND		74	1500
Dimethyl phthalate		ND		78	1500

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117030.D
Dilution:	4.0			Initial Weight/Volume:	30.17 g
Analysis Date:	11/17/2011 2238			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		69	1500
Di-n-octyl phthalate		ND		120	1500
Fluoranthene		ND		15	1500
Fluorene		ND		15	1500
Hexachlorobenzene		ND		9.7	1500
Hexachlorobutadiene		ND		120	1500
Hexachlorocyclopentadiene		ND		120	7400
Hexachloroethane		ND		41	1500
Indeno[1,2,3-cd]pyrene		ND		15	1500
Isophorone		ND		60	1500
Naphthalene		ND		15	1500
Nitrobenzene		ND		10	1500
N-Nitrosodi-n-propylamine		ND		120	1500
N-Nitrosodiphenylamine		ND		97	1500
Pentachlorophenol		ND		370	1500
Phenol		ND		120	1500
Phenanthrene		ND		15	1500
Pyrene		26	J	15	1500
3 & 4 Methylphenol		ND		92	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		34 - 110
2-Fluorophenol (Surr)	59		26 - 110
2,4,6-Tribromophenol (Surr)	35		10 - 118
Nitrobenzene-d5 (Surr)	36		24 - 112
Phenol-d5 (Surr)	53		28 - 110
Terphenyl-d14 (Surr)	60		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23901	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1118033.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	11/18/2011 1424			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		32	390
2,2'-oxybis[1-chloropropane]		ND		11	390
2,4,5-Trichlorophenol		ND		30	390
2,4,6-Trichlorophenol		ND		95	390
2,4-Dichlorophenol		ND		24	390
2,4-Dimethylphenol		ND		24	390
2,4-Dinitrophenol		ND		95	1900
2,4-Dinitrotoluene		ND		32	390
2,6-Dinitrotoluene		ND		25	390
2-Chloronaphthalene		ND		3.9	390
2-Chlorophenol		ND		32	390
2-Methylnaphthalene		ND		3.9	390
2-Methylphenol		ND		95	390
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		32	390
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		95	1900
4-Bromophenyl phenyl ether		ND		15	390
4-Chloro-3-methylphenol		ND		25	390
4-Chloroaniline		ND		20	390
4-Chlorophenyl phenyl ether		ND		15	390
4-Nitroaniline		ND		31	1900
4-Nitrophenol		ND		95	1900
Acenaphthene		ND		3.9	390
Acenaphthylene		ND		3.9	390
Acetophenone		ND		11	390
Anthracene		ND		3.9	390
Atrazine		ND		11	390
Benzaldehyde		ND		14	390
Benzo[a]anthracene		ND		3.9	390
Benzo[a]pyrene		ND		3.9	390
Benzo[b]fluoranthene		ND		3.9	390
Benzo[g,h,i]perylene		ND		3.9	390
Benzo[k]fluoranthene		ND		3.9	390
Bis(2-chloroethoxy)methane		ND		26	390
Bis(2-chloroethyl)ether		ND		2.4	390
Bis(2-ethylhexyl) phthalate		ND		23	390
Butyl benzyl phthalate		ND		12	390
Caprolactam		ND	*	44	390
Carbazole		ND		32	390
Chrysene		ND		1.3	390
Dibenz(a,h)anthracene		ND		3.9	390
Dibenzofuran		ND		3.9	390
Diethyl phthalate		ND		19	390
Dimethyl phthalate		ND		20	390

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23901	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1118033.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	11/18/2011 1424			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	390
Di-n-octyl phthalate		ND		32	390
Fluoranthene		7.4	J	3.9	390
Fluorene		ND		3.9	390
Hexachlorobenzene		ND		2.5	390
Hexachlorobutadiene		ND		32	390
Hexachlorocyclopentadiene		ND		32	1900
Hexachloroethane		ND		11	390
Indeno[1,2,3-cd]pyrene		ND		3.9	390
Isophorone		ND		15	390
Naphthalene		ND		3.9	390
Nitrobenzene		ND		2.6	390
N-Nitrosodi-n-propylamine		ND		32	390
N-Nitrosodiphenylamine		ND		25	390
Pentachlorophenol		ND		95	390
Phenol		ND		32	390
Phenanthrene		ND		3.9	390
Pyrene		6.2	J	3.9	390
3 & 4 Methylphenol		ND		24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	44		34 - 110
2-Fluorophenol (Surr)	49		26 - 110
2,4,6-Tribromophenol (Surr)	48		10 - 118
Nitrobenzene-d5 (Surr)	44		24 - 112
Phenol-d5 (Surr)	48		28 - 110
Terphenyl-d14 (Surr)	61		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117029.D
Dilution:	100			Initial Weight/Volume:	30.02 g
Analysis Date:	11/17/2011 2219			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		3200	39000
2,2'-oxybis[1-chloropropane]		ND		1100	39000
2,4,5-Trichlorophenol		ND		2900	39000
2,4,6-Trichlorophenol		ND		9400	39000
2,4-Dichlorophenol		ND		2300	39000
2,4-Dimethylphenol		ND		2300	39000
2,4-Dinitrophenol		ND		9400	190000
2,4-Dinitrotoluene		ND		3200	39000
2,6-Dinitrotoluene		ND		2500	39000
2-Chloronaphthalene		ND		390	39000
2-Chlorophenol		ND		3200	39000
2-Methylnaphthalene		4000	J	390	39000
2-Methylphenol		ND		9400	39000
2-Nitroaniline		ND		1100	190000
2-Nitrophenol		ND		3200	39000
3,3'-Dichlorobenzidine		ND		2100	190000
3-Nitroaniline		ND		1900	190000
4,6-Dinitro-2-methylphenol		ND		9400	190000
4-Bromophenyl phenyl ether		ND		1500	39000
4-Chloro-3-methylphenol		ND		2500	39000
4-Chloroaniline		ND		2000	39000
4-Chlorophenyl phenyl ether		ND		1500	39000
4-Nitroaniline		ND		3000	190000
4-Nitrophenol		ND		9400	190000
Acenaphthene		14000	J	390	39000
Acenaphthylene		ND		390	39000
Acetophenone		ND		1100	39000
Anthracene		20000	J	390	39000
Atrazine		ND		1100	39000
Benzaldehyde		ND		1400	39000
Benzo[a]anthracene		54000		390	39000
Benzo[a]pyrene		43000		390	39000
Benzo[b]fluoranthene		64000		390	39000
Benzo[g,h,i]perylene		25000	J	390	39000
Benzo[k]fluoranthene		17000	J	390	39000
Bis(2-chloroethoxy)methane		ND		2600	39000
Bis(2-chloroethyl)ether		ND		230	39000
Bis(2-ethylhexyl) phthalate		ND		2200	39000
Butyl benzyl phthalate		ND		1200	39000
Caprolactam		ND	*	4300	39000
Carbazole		11000	J	3200	39000
Chrysene		50000		130	39000
Dibenz(a,h)anthracene		7600	J	390	39000
Dibenzofuran		6500	J	390	39000
Diethyl phthalate		ND		1900	39000
Dimethyl phthalate		ND		2000	39000

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117029.D
Dilution:	100			Initial Weight/Volume:	30.02 g
Analysis Date:	11/17/2011 2219			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		1800	39000
Di-n-octyl phthalate		ND		3200	39000
Fluoranthene		130000		390	39000
Fluorene		14000	J	390	39000
Hexachlorobenzene		ND		250	39000
Hexachlorobutadiene		ND		3200	39000
Hexachlorocyclopentadiene		ND		3200	190000
Hexachloroethane		ND		1100	39000
Indeno[1,2,3-cd]pyrene		21000	J	390	39000
Isophorone		ND		1500	39000
Naphthalene		7500	J	390	39000
Nitrobenzene		ND		260	39000
N-Nitrosodi-n-propylamine		ND		3200	39000
N-Nitrosodiphenylamine		ND		2500	39000
Pentachlorophenol		ND		9400	39000
Phenol		ND		3200	39000
Phenanthrene		88000		390	39000
Pyrene		83000		390	39000
3 & 4 Methylphenol		ND		2300	47000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	0	X	34 - 110
2-Fluorophenol (Surr)	0	X	26 - 110
2,4,6-Tribromophenol (Surr)	0	X	10 - 118
Nitrobenzene-d5 (Surr)	0	X	24 - 112
Phenol-d5 (Surr)	0	X	28 - 110
Terphenyl-d14 (Surr)	0	X	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418
Client Matrix: Solid % Moisture: 11.8 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117024.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Analysis Date:	11/17/2011 2047			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.7	370
Acenaphthene		ND		3.7	370
Acenaphthylene		ND		3.7	370
Anthracene		ND		3.7	370
Benzo[a]anthracene		19	J	3.7	370
Benzo[a]pyrene		21	J	3.7	370
Benzo[b]fluoranthene		34	J	3.7	370
Benzo[g,h,i]perylene		20	J	3.7	370
Benzo[k]fluoranthene		4.9	J	3.7	370
Chrysene		24	J	1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Fluoranthene		39	J	3.7	370
Fluorene		ND		3.7	370
Indeno[1,2,3-cd]pyrene		13	J	3.7	370
Naphthalene		ND		3.7	370
Phenanthrene		14	J	3.7	370
Pyrene		29	J	3.7	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42		10 - 118
2-Fluorobiphenyl (Surr)	55		34 - 110
2-Fluorophenol (Surr)	66		26 - 110
Nitrobenzene-d5 (Surr)	47		24 - 112
Phenol-d5 (Surr)	59		28 - 110
Terphenyl-d14 (Surr)	64		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435
Client Matrix: Solid % Moisture: 8.5 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117018.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	11/17/2011 1857			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.6	360
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Anthracene		ND		3.6	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Naphthalene		ND		3.6	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42		10 - 118
2-Fluorobiphenyl (Surr)	56		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
Nitrobenzene-d5 (Surr)	50		24 - 112
Phenol-d5 (Surr)	50		28 - 110
Terphenyl-d14 (Surr)	70		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518
Client Matrix: Solid % Moisture: 5.3 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-23151	Lab File ID:	1117017.D
Dilution:	1.0			Initial Weight/Volume:	30.12 g
Analysis Date:	11/17/2011 1838			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.5	350
Acenaphthene		ND		3.5	350
Acenaphthylene		ND		3.5	350
Anthracene		ND		3.5	350
Benzo[a]anthracene		ND		3.5	350
Benzo[a]pyrene		ND		3.5	350
Benzo[b]fluoranthene		ND		3.5	350
Benzo[g,h,i]perylene		ND		3.5	350
Benzo[k]fluoranthene		ND		3.5	350
Chrysene		ND		1.2	350
Dibenz(a,h)anthracene		ND		3.5	350
Fluoranthene		ND		3.5	350
Fluorene		ND		3.5	350
Indeno[1,2,3-cd]pyrene		ND		3.5	350
Naphthalene		ND		3.5	350
Phenanthrene		ND		3.5	350
Pyrene		ND		3.5	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	33		10 - 118
2-Fluorobiphenyl (Surr)	45		34 - 110
2-Fluorophenol (Surr)	56		26 - 110
Nitrobenzene-d5 (Surr)	35		24 - 112
Phenol-d5 (Surr)	40		28 - 110
Terphenyl-d14 (Surr)	66		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23726	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-23279	Lab File ID:	1117008.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	11/17/2011 1236			Final Weight/Volume:	2 mL
Prep Date:	11/15/2011 0904			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Methylnaphthalene		ND		3.8	380
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Anthracene		ND		3.8	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Naphthalene		ND		3.8	380
Phenanthrene		ND		3.8	380
Pyrene		ND		3.8	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	48		10 - 118
2-Fluorobiphenyl (Surr)	53		34 - 110
2-Fluorophenol (Surr)	60		26 - 110
Nitrobenzene-d5 (Surr)	55		24 - 112
Phenol-d5 (Surr)	61		28 - 110
Terphenyl-d14 (Surr)	69		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111611.D
Dilution:	1.0			Initial Weight/Volume:	10.529 g
Analysis Date:	11/16/2011 1517			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.35	11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111612.D
Dilution:	1.0			Initial Weight/Volume:	10.312 g
Analysis Date:	11/16/2011 1555			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.37	12

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111613.D
Dilution:	1.0			Initial Weight/Volume:	10.326 g
Analysis Date:	11/16/2011 1633			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.36	11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418
Client Matrix: Solid % Moisture: 11.8 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111614.D
Dilution:	1.0			Initial Weight/Volume:	10.342 g
Analysis Date:	11/16/2011 1711			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.35	11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435
Client Matrix: Solid % Moisture: 8.5 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111617.D
Dilution:	1.0			Initial Weight/Volume:	9.613 g
Analysis Date:	11/16/2011 1903			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.36	11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518
Client Matrix: Solid % Moisture: 5.3 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111618.D
Dilution:	1.0			Initial Weight/Volume:	10.453 g
Analysis Date:	11/16/2011 1941			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.32	10

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23483	Instrument ID:	YPID
Prep Method:	5035	Prep Batch:	240-23375	Lab File ID:	YF111619.D
Dilution:	1.0			Initial Weight/Volume:	10.64 g
Analysis Date:	11/16/2011 2018			Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)		ND		0.35	11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000019.D
Dilution:	1.0			Initial Weight/Volume:	30.71 g
Analysis Date:	11/11/2011 1745			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		38		1.1	9.1

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000020.D
Dilution:	1.0			Initial Weight/Volume:	30.28 g
Analysis Date:	11/11/2011 1809			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.6	J	1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000021.D
Dilution:	1.0			Initial Weight/Volume:	29.01 g
Analysis Date:	11/11/2011 1834			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		57		1.2	9.7

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418
Client Matrix: Solid % Moisture: 11.8 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000022.D
Dilution:	1.0			Initial Weight/Volume:	29.54 g
Analysis Date:	11/11/2011 1858			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		4.3	J	1.2	9.2

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435
Client Matrix: Solid % Moisture: 8.5 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000025.D
Dilution:	1.0			Initial Weight/Volume:	28.35 g
Analysis Date:	11/11/2011 2009			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.3	J	1.2	9.3

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518
Client Matrix: Solid % Moisture: 5.3 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000026.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	11/11/2011 2033			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.0	J	1.1	8.5

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Prep Method:	WI DRO PREP	Prep Batch:	240-22625	Lab File ID:	P14F0000027.D
Dilution:	1.0			Initial Weight/Volume:	28.98 g
Analysis Date:	11/11/2011 2057			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.1	J	1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955
Client Matrix: Solid % Moisture: 13.7 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/17/2011 2047			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7400		11	23
Antimony		0.93	J	0.45	1.1
Barium		31	B	0.081	23
Beryllium		0.39	J	0.049	0.57
Calcium		36000	B	18	570
Cadmium		ND		0.041	0.23
Cobalt		7.8		0.18	5.7
Chromium		15		0.23	0.57
Copper		14		0.85	2.9
Iron		16000		5.6	11
Potassium		2700	B	7.1	570
Magnesium		6700	B	5.8	570
Manganese		220	B	0.085	1.7
Silver		ND		0.11	0.57
Sodium		ND		76	570
Nickel		18	B	0.31	4.6
Vanadium		12		0.14	5.7
Zinc		26		1.1	2.3
Arsenic		3.9		0.34	1.1
Lead		9.0		0.22	0.34
Selenium		ND		0.52	0.57
Thallium		1.1		0.63	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-23072	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	11/11/2011 0958			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105
Client Matrix: Solid % Moisture: 16.2 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.17 g
Analysis Date:	11/17/2011 2053			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8000		9.8	20
Antimony		ND		0.40	1.0
Barium		27	B	0.072	20
Beryllium		0.56		0.044	0.51
Calcium		19000	B	16	510
Cadmium		ND		0.037	0.20
Cobalt		12		0.16	5.1
Chromium		14		0.20	0.51
Copper		22		0.75	2.5
Iron		14000		5.0	10
Potassium		4400	B	6.3	510
Magnesium		10000	B	5.2	510
Manganese		260	B	0.075	1.5
Silver		ND		0.10	0.51
Sodium		69	J	67	510
Nickel		23	B	0.28	4.1
Vanadium		4.7	J	0.12	5.1
Zinc		22		1.0	2.0
Arsenic		4.3		0.31	1.0
Lead		3.2		0.19	0.31
Selenium		ND		0.46	0.51
Thallium		1.2		0.56	1.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-23072	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	11/11/2011 1002			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315
Client Matrix: Solid % Moisture: 14.7 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	11/17/2011 2100			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4900		11	23
Antimony		1.3		0.44	1.1
Barium		170	B	0.081	23
Beryllium		0.14	J	0.049	0.57
Calcium		15000	B	18	570
Cadmium		0.48		0.041	0.23
Cobalt		4.9	J	0.18	5.7
Chromium		12		0.23	0.57
Copper		19		0.84	2.8
Iron		10000		5.6	11
Potassium		670	B	7.1	570
Magnesium		4200	B	5.8	570
Manganese		380	B	0.084	1.7
Silver		ND		0.11	0.57
Sodium		120	J	75	570
Nickel		12	B	0.31	4.6
Vanadium		15		0.14	5.7
Zinc		130		1.1	2.3
Arsenic		11		0.34	1.1
Lead		130		0.22	0.34
Selenium		ND		0.51	0.57
Thallium		0.99	J	0.63	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-23072	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.88 g
Analysis Date:	11/11/2011 1003			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.063	J	0.012	0.080

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418
Client Matrix: Solid % Moisture: 11.8 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	11/17/2011 2023			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		9.8		0.20	0.32

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435
Client Matrix: Solid % Moisture: 8.5 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	11/17/2011 2106			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		2.8		0.18	0.28

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518
Client Matrix: Solid % Moisture: 5.3 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Analysis Date:	11/17/2011 2124			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		1.9		0.17	0.27

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/09/2011 0930

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	11/17/2011 2130			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		3.5		0.20	0.32

General Chemistry

Client Sample ID: **ASB-196_4-6(20111104)**

Lab Sample ID: 240-5702-1 Date Sampled: 11/04/2011 0955

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-197_4-6(20111104)**

Lab Sample ID: 240-5702-2 Date Sampled: 11/04/2011 1105

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-198_6-8(20111104)**

Lab Sample ID: 240-5702-3 Date Sampled: 11/04/2011 1315

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-199_0-2(20111104)**

Lab Sample ID: 240-5702-4 Date Sampled: 11/04/2011 1418

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-199_2-4(20111104)**

Lab Sample ID: 240-5702-5 Date Sampled: 11/04/2011 1435

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	8.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-200_0-2(20111104)**

Lab Sample ID: 240-5702-6 Date Sampled: 11/04/2011 1518

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	5.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-200_4-6(20111104)**

Lab Sample ID: 240-5702-7 Date Sampled: 11/04/2011 1530

Client Matrix: Solid Date Received: 11/09/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-22771	Analysis Date: 11/10/2011 1348						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-23000					
LCS 240-23000/2-A	Lab Control Sample	T	Solid	5035	
MB 240-23000/1-A	Method Blank	T	Solid	5035	
240-5702-1	ASB-196_4-6(20111104)	T	Solid	5035	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	5035	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	5035	
240-5702-4	ASB-199_0-2(20111104)	T	Solid	5035	
240-5702-4MS	Matrix Spike	T	Solid	5035	
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	5035	
240-5702-5	ASB-199_2-4(20111104)	T	Solid	5035	
240-5702-6	ASB-200_0-2(20111104)	T	Solid	5035	
240-5702-7	ASB-200_4-6(20111104)	T	Solid	5035	
240-5702-8TB	MB-013(20111104)	T	Solid	5035	
Analysis Batch:240-23137					
LCS 240-23000/2-A	Lab Control Sample	T	Solid	8260B	240-23000
MB 240-23000/1-A	Method Blank	T	Solid	8260B	240-23000
240-5702-1	ASB-196_4-6(20111104)	T	Solid	8260B	240-23000
240-5702-2	ASB-197_4-6(20111104)	T	Solid	8260B	240-23000
240-5702-3	ASB-198_6-8(20111104)	T	Solid	8260B	240-23000
240-5702-4	ASB-199_0-2(20111104)	T	Solid	8260B	240-23000
240-5702-4MS	Matrix Spike	T	Solid	8260B	240-23000
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	8260B	240-23000
240-5702-5	ASB-199_2-4(20111104)	T	Solid	8260B	240-23000
240-5702-6	ASB-200_0-2(20111104)	T	Solid	8260B	240-23000
240-5702-7	ASB-200_4-6(20111104)	T	Solid	8260B	240-23000
240-5702-8TB	MB-013(20111104)	T	Solid	8260B	240-23000

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-23151					
LCS 240-23151/2-A	Lab Control Sample	T	Solid	3540C	
MB 240-23151/1-A	Method Blank	T	Solid	3540C	
240-5702-1	ASB-196_4-6(20111104)	T	Solid	3540C	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	3540C	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	3540C	
240-5702-4	ASB-199_0-2(20111104)	T	Solid	3540C	
240-5702-4MS	Matrix Spike	T	Solid	3540C	
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-5702-5	ASB-199_2-4(20111104)	T	Solid	3540C	
240-5702-6	ASB-200_0-2(20111104)	T	Solid	3540C	
Prep Batch: 240-23279					
LCS 240-23279/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-23279/23-A	Method Blank	T	Solid	3540C	
240-5702-7	ASB-200_4-6(20111104)	T	Solid	3540C	
240-5876-L-6-B MS	Matrix Spike	T	Solid	3540C	
240-5876-L-6-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-23726					
LCS 240-23279/24-A	Lab Control Sample	T	Solid	8270C	240-23279
MB 240-23279/23-A	Method Blank	T	Solid	8270C	240-23279
240-5702-7	ASB-200_4-6(20111104)	T	Solid	8270C	240-23279
240-5876-L-6-B MS	Matrix Spike	T	Solid	8270C	240-23279
240-5876-L-6-C MSD	Matrix Spike Duplicate	T	Solid	8270C	240-23279
Analysis Batch:240-23757					
LCS 240-23151/2-A	Lab Control Sample	T	Solid	8270C	240-23151
MB 240-23151/1-A	Method Blank	T	Solid	8270C	240-23151
240-5702-1	ASB-196_4-6(20111104)	T	Solid	8270C	240-23151
240-5702-3	ASB-198_6-8(20111104)	T	Solid	8270C	240-23151
240-5702-4	ASB-199_0-2(20111104)	T	Solid	8270C	240-23151
240-5702-4MS	Matrix Spike	T	Solid	8270C	240-23151
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	8270C	240-23151
240-5702-5	ASB-199_2-4(20111104)	T	Solid	8270C	240-23151
240-5702-6	ASB-200_0-2(20111104)	T	Solid	8270C	240-23151
Analysis Batch:240-23901					
240-5702-2	ASB-197_4-6(20111104)	T	Solid	8270C	240-23151

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-23375					
LCS 240-23375/2-A	Lab Control Sample	T	Solid	5035	
LCSD 240-23375/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 240-23375/1-A	Method Blank	T	Solid	5035	
240-5702-1	ASB-196_4-6(20111104)	T	Solid	5035	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	5035	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	5035	
240-5702-4	ASB-199_0-2(20111104)	T	Solid	5035	
240-5702-4MS	Matrix Spike	T	Solid	5035	
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	5035	
240-5702-5	ASB-199_2-4(20111104)	T	Solid	5035	
240-5702-6	ASB-200_0-2(20111104)	T	Solid	5035	
240-5702-7	ASB-200_4-6(20111104)	T	Solid	5035	
Analysis Batch:240-23483					
LCS 240-23375/2-A	Lab Control Sample	T	Solid	WI-GRO	240-23375
LCSD 240-23375/3-A	Lab Control Sample Duplicate	T	Solid	WI-GRO	240-23375
MB 240-23375/1-A	Method Blank	T	Solid	WI-GRO	240-23375
240-5702-1	ASB-196_4-6(20111104)	T	Solid	WI-GRO	240-23375
240-5702-2	ASB-197_4-6(20111104)	T	Solid	WI-GRO	240-23375
240-5702-3	ASB-198_6-8(20111104)	T	Solid	WI-GRO	240-23375
240-5702-4	ASB-199_0-2(20111104)	T	Solid	WI-GRO	240-23375
240-5702-4MS	Matrix Spike	T	Solid	WI-GRO	240-23375
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	WI-GRO	240-23375
240-5702-5	ASB-199_2-4(20111104)	T	Solid	WI-GRO	240-23375
240-5702-6	ASB-200_0-2(20111104)	T	Solid	WI-GRO	240-23375
240-5702-7	ASB-200_4-6(20111104)	T	Solid	WI-GRO	240-23375

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-22625					
LCS 240-22625/12-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-22625/13-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-22625/11-A	Method Blank	T	Solid	WI DRO PREP	
240-5702-1	ASB-196_4-6(20111104)	T	Solid	WI DRO PREP	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	WI DRO PREP	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	WI DRO PREP	
240-5702-4	ASB-199_0-2(20111104)	T	Solid	WI DRO PREP	
240-5702-4MS	Matrix Spike	T	Solid	WI DRO PREP	
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	WI DRO PREP	
240-5702-5	ASB-199_2-4(20111104)	T	Solid	WI DRO PREP	
240-5702-6	ASB-200_0-2(20111104)	T	Solid	WI DRO PREP	
240-5702-7	ASB-200_4-6(20111104)	T	Solid	WI DRO PREP	
Analysis Batch:240-22908					
LCS 240-22625/12-A	Lab Control Sample	T	Solid	WI-DRO	240-22625
LCSD 240-22625/13-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-22625
MB 240-22625/11-A	Method Blank	T	Solid	WI-DRO	240-22625
240-5702-1	ASB-196_4-6(20111104)	T	Solid	WI-DRO	240-22625
240-5702-2	ASB-197_4-6(20111104)	T	Solid	WI-DRO	240-22625
240-5702-3	ASB-198_6-8(20111104)	T	Solid	WI-DRO	240-22625
240-5702-4	ASB-199_0-2(20111104)	T	Solid	WI-DRO	240-22625
240-5702-4MS	Matrix Spike	T	Solid	WI-DRO	240-22625
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	WI-DRO	240-22625
240-5702-5	ASB-199_2-4(20111104)	T	Solid	WI-DRO	240-22625
240-5702-6	ASB-200_0-2(20111104)	T	Solid	WI-DRO	240-22625
240-5702-7	ASB-200_4-6(20111104)	T	Solid	WI-DRO	240-22625

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-22729					
LCS 240-22729/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-22729/1-A	Method Blank	T	Solid	3050B	
240-5702-1	ASB-196_4-6(20111104)	T	Solid	3050B	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	3050B	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	3050B	
240-5702-4	ASB-199_0-2(20111104)	T	Solid	3050B	
240-5702-4MS	Matrix Spike	T	Solid	3050B	
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-5702-5	ASB-199_2-4(20111104)	T	Solid	3050B	
240-5702-6	ASB-200_0-2(20111104)	T	Solid	3050B	
240-5702-7	ASB-200_4-6(20111104)	T	Solid	3050B	
Prep Batch: 240-22749					
LCS 240-22749/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-22749/1-A	Method Blank	T	Solid	7471A	
240-5702-1	ASB-196_4-6(20111104)	T	Solid	7471A	
240-5702-1MS	Matrix Spike	T	Solid	7471A	
240-5702-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	7471A	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	7471A	
Analysis Batch:240-23072					
LCS 240-22749/2-A	Lab Control Sample	T	Solid	7471A	240-22749
MB 240-22749/1-A	Method Blank	T	Solid	7471A	240-22749
240-5702-1	ASB-196_4-6(20111104)	T	Solid	7471A	240-22749
240-5702-1MS	Matrix Spike	T	Solid	7471A	240-22749
240-5702-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-22749
240-5702-2	ASB-197_4-6(20111104)	T	Solid	7471A	240-22749
240-5702-3	ASB-198_6-8(20111104)	T	Solid	7471A	240-22749
Analysis Batch:240-23859					
LCS 240-22729/2-A	Lab Control Sample	T	Solid	6010B	240-22729
MB 240-22729/1-A	Method Blank	T	Solid	6010B	240-22729
240-5702-1	ASB-196_4-6(20111104)	T	Solid	6010B	240-22729
240-5702-2	ASB-197_4-6(20111104)	T	Solid	6010B	240-22729
240-5702-3	ASB-198_6-8(20111104)	T	Solid	6010B	240-22729
240-5702-4	ASB-199_0-2(20111104)	T	Solid	6010B	240-22729
240-5702-4MS	Matrix Spike	T	Solid	6010B	240-22729
240-5702-4MSD	Matrix Spike Duplicate	T	Solid	6010B	240-22729
240-5702-5	ASB-199_2-4(20111104)	T	Solid	6010B	240-22729
240-5702-6	ASB-200_0-2(20111104)	T	Solid	6010B	240-22729
240-5702-7	ASB-200_4-6(20111104)	T	Solid	6010B	240-22729

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:240-22771					
240-5702-1	ASB-196_4-6(20111104)	T	Solid	Moisture	
240-5702-2	ASB-197_4-6(20111104)	T	Solid	Moisture	
240-5702-3	ASB-198_6-8(20111104)	T	Solid	Moisture	
240-5702-4	ASB-199_0-2(20111104)	T	Solid	Moisture	
240-5702-4DU	Duplicate	T	Solid	Moisture	
240-5702-5	ASB-199_2-4(20111104)	T	Solid	Moisture	
240-5702-6	ASB-200_0-2(20111104)	T	Solid	Moisture	
240-5702-7	ASB-200_4-6(20111104)	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-5702-1	ASB-196_4-6(20111104)	78	74	69	75
240-5702-2	ASB-197_4-6(20111104)	80	79	70	78
240-5702-3	ASB-198_6-8(20111104)	79	71	68	72
240-5702-4	ASB-199_0-2(20111104)	83	75	71	76
240-5702-5	ASB-199_2-4(20111104)	82	76	71	77
240-5702-6	ASB-200_0-2(20111104)	92	83	82	83
240-5702-7	ASB-200_4-6(20111104)	85	75	72	75
240-5702-8	MB-013(20111104)	93	82	79	85
MB 240-23000/1-A		92	87	79	87
LCS 240-23000/2-A		83	82	79	79
240-5702-4 MS	ASB-199_0-2(20111104) MS	82	77	76	79
240-5702-4 MSD	ASB-199_0-2(20111104) MSD	82	79	77	78

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5702-1	ASB-196_4-6(20111104)	56	59	35	36	53	60
240-5702-2	ASB-197_4-6(20111104)	44	49	48	44	48	61
240-5702-3	ASB-198_6-8(20111104)	0X	0X	0X	0X	0X	0X
MB 240-23151/1-A		58	65	56	48	48	82
MB 240-23279/23-A		66	73	66	67	73	84
LCS 240-23151/2-A		60	67	72	52	61	74
LCS 240-23279/24-A		72	80	79	77	81	90
240-5876-L-6-B MS		53	60	53	52	60	66
240-5876-L-6-C MSD		52	59	53	53	60	70

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5702-4	ASB-199_0-2(20111104)	42	55	66	47	59	64
240-5702-5	ASB-199_2-4(20111104)	42	56	61	50	50	70
240-5702-6	ASB-200_0-2(20111104)	33	45	56	35	40	66
240-5702-7	ASB-200_4-6(20111104)	48	53	60	55	61	69
240-5702-4 MS	ASB-199_0-2(20111104) MS	58	50	53	45	57	65
240-5702-4 MSD	ASB-199_0-2(20111104) MSD	65	65	67	61	71	73

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-118
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-23000 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-23000/1-A	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142222.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/14/2011 1605	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-23000 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-23000/1-A	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142222.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/14/2011 1605	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	9.90	J	6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	39 - 128
4-Bromofluorobenzene (Surr)	87	26 - 141
Dibromofluoromethane (Surr)	79	30 - 122
Toluene-d8 (Surr)	87	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Control Sample - Batch: 240-23000

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-23000/2-A	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142221.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/14/2011 1544	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	452	90	27 - 121	
1,1,1-Trichloroethane	500	487	97	38 - 122	
1,1,2,2-Tetrachloroethane	500	469	94	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	560	112	48 - 151	
1,1,2-Trichloroethane	500	505	101	74 - 114	
1,1-Dichloroethane	500	482	96	63 - 117	
1,1-Dichloroethene	500	505	101	44 - 143	
1,1-Dichloropropene	500	520	104	60 - 123	
1,2,3-Trichlorobenzene	500	496	99	43 - 129	
1,2,3-Trichloropropane	500	473	95	74 - 124	
1,2,4-Trichlorobenzene	500	456	91	41 - 135	
1,2,4-Trimethylbenzene	500	480	96	62 - 133	
1,2-Dibromo-3-Chloropropane	500	453	91	10 - 129	J
1,2-Dibromoethane	500	485	97	47 - 123	
1,2-Dichlorobenzene	500	477	95	68 - 118	
1,2-Dichloroethane	500	525	105	68 - 119	
1,2-Dichloropropane	500	530	106	73 - 113	
1,3,5-Trimethylbenzene	500	489	98	60 - 130	
1,3-Dichlorobenzene	500	484	97	66 - 121	
1,3-Dichloropropane	500	520	104	74 - 119	
1,4-Dichlorobenzene	500	499	100	65 - 119	
2,2-Dichloropropane	500	438	88	25 - 123	
2-Butanone (MEK)	1000	930	93	10 - 199	J
2-Chlorotoluene	500	505	101	68 - 122	
2-Hexanone	1000	885	89	43 - 130	J
4-Chlorotoluene	500	520	104	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	820	82	49 - 121	J
Acetone	1000	840	84	16 - 156	J
Benzene	500	505	101	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	500	100	56 - 128	
Bromodichloromethane	500	419	84	28 - 123	
Bromoform	500	443	89	10 - 117	
Bromomethane	500	416	83	10 - 114	
Carbon disulfide	500	339	68	10 - 132	
Carbon tetrachloride	500	454	91	29 - 118	
Chlorobenzene	500	510	102	71 - 116	
Chloroethane	500	345	69	10 - 120	
Chloroform	500	499	100	63 - 116	
Chloromethane	500	384	77	25 - 110	
cis-1,2-Dichloroethene	500	494	99	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Control Sample - Batch: 240-23000

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-23000/2-A	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142221.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/14/2011 1544	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	417	83	25 - 120	
Cyclohexane	500	464	93	40 - 120	J
Chlorodibromomethane	500	426	85	22 - 113	
Dibromomethane	500	540	108	68 - 118	
Dichlorodifluoromethane	500	296	59	10 - 110	
Ethyl ether	500	505	101	70 - 130	
Ethylbenzene	500	510	102	66 - 119	
Hexachlorobutadiene	500	530	106	34 - 135	
Isopropylbenzene	500	490	98	61 - 123	
Methyl acetate	500	449	90	44 - 173	J
Methyl tert butyl ether	500	487	97	34 - 157	J
Methylcyclohexane	500	500	100	41 - 133	
Methylene Chloride	500	464	93	27 - 172	
m-Xylene & p-Xylene	1000	1020	102	67 - 118	
Naphthalene	500	432	86	37 - 126	
n-Butylbenzene	500	484	97	51 - 137	
N-Propylbenzene	500	520	104	64 - 130	
o-Xylene	500	498	100	68 - 120	
p-Isopropyltoluene	500	485	97	56 - 136	
sec-Butylbenzene	500	481	96	58 - 131	
Styrene	500	497	99	60 - 120	
tert-Butylbenzene	500	467	93	58 - 128	
Tetrachloroethene	500	520	104	58 - 131	
Tetrahydrofuran	500	442	88	70 - 130	J
Toluene	500	495	99	66 - 123	
trans-1,2-Dichloroethene	500	481	96	58 - 121	
trans-1,3-Dichloropropene	500	417	83	22 - 122	
Trichloroethene	500	530	106	59 - 124	
Trichlorofluoromethane	500	474	95	17 - 145	
Vinyl chloride	500	427	85	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	39 - 128
4-Bromofluorobenzene (Surr)	82	26 - 141
Dibromofluoromethane (Surr)	79	30 - 122
Toluene-d8 (Surr)	79	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23000

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142227.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.987 g
Analysis Date:	11/14/2011 1752			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142228.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.184 g
Analysis Date:	11/14/2011 1813			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	87	80	19 - 124	10	30		
1,1,1-Trichloroethane	81	82	10 - 159	0	30		
1,1,2,2-Tetrachloroethane	88	85	16 - 158	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	99	95	23 - 168	6	30		
1,1,2-Trichloroethane	95	90	34 - 152	6	30		
1,1-Dichloroethane	92	90	18 - 160	4	30		
1,1-Dichloroethene	91	89	10 - 179	3	30		
1,1-Dichloropropene	94	92	42 - 126	4	30		
1,2,3-Trichlorobenzene	92	89	10 - 123	5	30		
1,2,3-Trichloropropane	96	84	54 - 142	15	30		
1,2,4-Trichlorobenzene	82	78	10 - 136	7	30		
1,2,4-Trimethylbenzene	88	87	10 - 199	3	30		
1,2-Dibromo-3-Chloropropane	84	76	10 - 137	12	30	J	J
1,2-Dibromoethane	94	89	32 - 127	7	30		
1,2-Dichlorobenzene	88	88	27 - 126	2	30		
1,2-Dichloroethane	93	91	25 - 150	4	30		
1,2-Dichloropropane	93	96	58 - 118	1	30		
1,3,5-Trimethylbenzene	86	87	10 - 173	0	30		
1,3-Dichlorobenzene	91	88	29 - 124	5	30		
1,3-Dichloropropane	96	93	58 - 117	5	30		
1,4-Dichlorobenzene	89	90	30 - 123	1	30		
2,2-Dichloropropane	75	78	26 - 127	2	30		
2-Butanone (MEK)	81	74	10 - 172	10	30	J	J
2-Chlorotoluene	92	88	51 - 118	6	30		
2-Hexanone	84	82	21 - 141	5	30	J	J
4-Chlorotoluene	93	91	43 - 120	4	30		
4-Methyl-2-pentanone (MIBK)	84	76	19 - 151	13	30	J	J
Acetone	79	77	10 - 142	5	30	J	J
Benzene	90	90	10 - 199	2	30		
Bromobenzene	93	92	49 - 119	3	30		
Bromochloromethane	92	92	42 - 123	2	30		
Bromodichloromethane	84	72	18 - 133	17	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23000

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142227.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.987 g
Analysis Date:	11/14/2011 1752			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142228.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.184 g
Analysis Date:	11/14/2011 1813			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromoform	89	82	10 - 147	9	30		
Bromomethane	73	74	10 - 151	0	30		
Carbon disulfide	58	60	10 - 155	2	30		
Carbon tetrachloride	79	78	12 - 135	3	30		
Chlorobenzene	95	92	47 - 118	5	30		
Chloroethane	64	68	10 - 168	4	30		
Chloroform	90	90	51 - 120	1	30		
Chloromethane	72	72	16 - 115	1	30		
cis-1,2-Dichloroethene	91	91	34 - 137	2	30		
cis-1,3-Dichloropropene	76	71	19 - 121	8	30		
Cyclohexane	84	83	10 - 154	3	30	J	J
Chlorodibromomethane	83	78	10 - 128	8	30		
Dibromomethane	95	96	45 - 121	1	30		
Dichlorodifluoromethane	49	49	10 - 113	1	30	J	J
Ethyl ether	98	95	70 - 130	5	30	J	J
Ethylbenzene	90	90	27 - 143	2	30		
Hexachlorobutadiene	101	101	10 - 134	2	30		
Isopropylbenzene	91	91	39 - 126	3	30		
Methyl acetate	107	101	10 - 175	7	30		
Methyl tert butyl ether	93	89	26 - 159	6	30	J	J
Methylcyclohexane	92	91	11 - 156	3	30	J	J
Methylene Chloride	87	85	10 - 148	5	30		
m-Xylene & p-Xylene	93	92	14 - 151	3	30		
Naphthalene	82	75	10 - 199	11	30		
n-Butylbenzene	84	82	13 - 154	4	30		
N-Propylbenzene	95	93	41 - 135	4	30		
o-Xylene	89	90	18 - 151	1	30		
p-Isopropyltoluene	86	85	33 - 139	4	30		
sec-Butylbenzene	88	85	41 - 133	5	30		
Styrene	89	88	31 - 137	3	30		
tert-Butylbenzene	84	84	45 - 132	1	30		
Tetrachloroethene	96	90	19 - 153	9	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23000

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142227.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.987 g
Analysis Date:	11/14/2011 1752			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-23137	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-23000	Lab File ID:	142228.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.184 g
Analysis Date:	11/14/2011 1813			Final Weight/Volume:	10 mL
Prep Date:	11/11/2011 2147				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Tetrahydrofuran	91	82	70 - 130	13	30	J	J
Toluene	92	89	10 - 168	5	30		
trans-1,2-Dichloroethene	89	88	40 - 126	3	30		
trans-1,3-Dichloropropene	79	76	10 - 136	5	30		
Trichloroethene	95	93	10 - 193	4	30		
Trichlorofluoromethane	85	87	10 - 157	0	30		
Vinyl chloride	73	74	15 - 123	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	82	39 - 128
4-Bromofluorobenzene (Surr)	77	79	26 - 141
Dibromofluoromethane (Surr)	76	77	30 - 122
Toluene-d8 (Surr)	79	78	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-23151

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-23151/1-A	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-23151	Lab File ID:	1117013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/17/2011 1725	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	34 - 110
2,4,6-Tribromophenol (Surr)	56	10 - 118
2-Fluorophenol (Surr)	65	26 - 110
Nitrobenzene-d5 (Surr)	48	24 - 112
Phenol-d5 (Surr)	48	28 - 110
Terphenyl-d14 (Surr)	82	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Control Sample - Batch: 240-23151

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-23151/2-A	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-23151	Lab File ID:	1117014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/17/2011 1743	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	409	61	46 - 110	
Acenaphthene	667	421	63	46 - 110	
Acenaphthylene	667	417	63	47 - 110	
Anthracene	667	463	69	56 - 111	
Benzo[a]anthracene	667	449	67	58 - 111	
Benzo[a]pyrene	667	428	64	44 - 115	
Benzo[b]fluoranthene	667	435	65	43 - 124	
Benzo[g,h,i]perylene	667	472	71	44 - 120	
Benzo[k]fluoranthene	667	507	76	38 - 122	
Chrysene	667	478	72	56 - 111	
Dibenz(a,h)anthracene	667	492	74	45 - 122	
Fluoranthene	667	497	75	55 - 118	
Fluorene	667	447	67	51 - 110	
Indeno[1,2,3-cd]pyrene	667	459	69	45 - 121	
Naphthalene	667	427	64	42 - 110	
Phenanthrene	667	459	69	54 - 110	
Pyrene	667	450	67	58 - 113	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	60	34 - 110
2,4,6-Tribromophenol (Surr)	72	10 - 118
2-Fluorophenol (Surr)	67	26 - 110
Nitrobenzene-d5 (Surr)	52	24 - 112
Phenol-d5 (Surr)	61	28 - 110
Terphenyl-d14 (Surr)	74	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23151

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-23151	Lab File ID:	1117025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	11/17/2011 2106			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-23757	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-23151	Lab File ID:	1117026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	11/17/2011 2124			Final Weight/Volume:	2 mL
Prep Date:	11/14/2011 1220			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	56	72	10 - 200	25	30		
Acenaphthene	57	68	10 - 200	17	30		
Acenaphthylene	58	71	10 - 200	22	30		
Anthracene	67	73	10 - 200	8	30		
Benzo[a]anthracene	62	79	10 - 200	24	30		
Benzo[a]pyrene	58	74	10 - 200	23	30		
Benzo[b]fluoranthene	64	89	10 - 200	31	30		F
Benzo[g,h,i]perylene	60	70	10 - 200	14	30		
Benzo[k]fluoranthene	69	75	10 - 200	8	30		
Chrysene	66	81	10 - 200	19	30		
Dibenz(a,h)anthracene	65	73	10 - 200	12	30		
Fluoranthene	73	88	10 - 200	17	30		
Fluorene	64	75	10 - 187	16	30		
Indeno[1,2,3-cd]pyrene	62	70	10 - 200	12	30		
Naphthalene	52	66	10 - 200	23	30		
Phenanthrene	68	79	10 - 200	13	30		
Pyrene	65	86	10 - 200	26	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	58	65	10 - 118
2-Fluorobiphenyl (Surr)	50	65	34 - 110
2-Fluorophenol (Surr)	53	67	26 - 110
Nitrobenzene-d5 (Surr)	45	61	24 - 112
Phenol-d5 (Surr)	57	71	28 - 110
Terphenyl-d14 (Surr)	65	73	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-23279

Method: 8270C
Preparation: 3540C

Lab Sample ID:	MB 240-23279/23-A	Analysis Batch:	240-23726	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-23279	Lab File ID:	1117006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	11/17/2011 1200	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/15/2011 0904			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	ND		3.3	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Anthracene	ND		3.3	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Naphthalene	ND		3.3	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	66	34 - 110
2,4,6-Tribromophenol (Surr)	66	10 - 118
2-Fluorophenol (Surr)	73	26 - 110
Nitrobenzene-d5 (Surr)	67	24 - 112
Phenol-d5 (Surr)	73	28 - 110
Terphenyl-d14 (Surr)	84	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Control Sample - Batch: 240-23279

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-23279/24-A	Analysis Batch:	240-23726	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-23279	Lab File ID:	1117007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	11/17/2011 1218	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/15/2011 0904			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	517	78	46 - 110	
Acenaphthene	667	521	78	46 - 110	
Acenaphthylene	667	535	80	47 - 110	
Anthracene	667	577	86	56 - 111	
Benzo[a]anthracene	667	599	90	58 - 111	
Benzo[a]pyrene	667	511	77	44 - 115	
Benzo[b]fluoranthene	667	627	94	43 - 124	
Benzo[g,h,i]perylene	667	580	87	44 - 120	
Benzo[k]fluoranthene	667	485	73	38 - 122	
Chrysene	667	554	83	56 - 111	
Dibenz(a,h)anthracene	667	530	79	45 - 122	
Fluoranthene	667	591	89	55 - 118	
Fluorene	667	527	79	51 - 110	
Indeno[1,2,3-cd]pyrene	667	561	84	45 - 121	
Naphthalene	667	529	79	42 - 110	
Phenanthrene	667	564	85	54 - 110	
Pyrene	667	565	85	58 - 113	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	72	34 - 110
2,4,6-Tribromophenol (Surr)	79	10 - 118
2-Fluorophenol (Surr)	80	26 - 110
Nitrobenzene-d5 (Surr)	77	24 - 112
Phenol-d5 (Surr)	81	28 - 110
Terphenyl-d14 (Surr)	90	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23279

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-5876-L-6-B MS	Analysis Batch:	240-23726	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-23279	Lab File ID:	1117028.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	11/17/2011 1838			Final Weight/Volume:	2 mL
Prep Date:	11/15/2011 0904			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5876-L-6-C MSD	Analysis Batch:	240-23726	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-23279	Lab File ID:	1117029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.06 g
Analysis Date:	11/17/2011 1856			Final Weight/Volume:	2 mL
Prep Date:	11/15/2011 0904			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	60	60	10 - 200	0	30		
Acenaphthene	59	58	10 - 200	1	30		
Acenaphthylene	60	60	10 - 200	0	30		
Anthracene	62	65	10 - 200	5	30		
Benzo[a]anthracene	62	66	10 - 200	7	30		
Benzo[a]pyrene	58	60	10 - 200	2	30		
Benzo[b]fluoranthene	61	60	10 - 200	3	30		
Benzo[g,h,i]perylene	66	68	10 - 200	4	30		
Benzo[k]fluoranthene	62	67	10 - 200	9	30		
Chrysene	64	67	10 - 200	5	30		
Dibenz(a,h)anthracene	62	65	10 - 200	5	30		
Fluoranthene	67	70	10 - 200	3	30		
Fluorene	62	62	10 - 187	0	30		
Indeno[1,2,3-cd]pyrene	65	67	10 - 200	4	30		
Naphthalene	58	58	10 - 200	1	30		
Phenanthrene	61	64	10 - 200	4	30		
Pyrene	63	66	10 - 200	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	53	52	34 - 110
2,4,6-Tribromophenol (Surr)	53	53	10 - 118
2-Fluorophenol (Surr)	60	59	26 - 110
Nitrobenzene-d5 (Surr)	52	53	24 - 112
Phenol-d5 (Surr)	60	60	28 - 110
Terphenyl-d14 (Surr)	66	70	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-23375 **Method: WI-GRO**
Preparation: 5035

Lab Sample ID:	MB 240-23375/1-A	Analysis Batch:	240-23483	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-23375	Lab File ID:	YF111609.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/16/2011 1401	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		0.32	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-23375 **Method: WI-GRO**
Preparation: 5035

LCS Lab Sample ID:	LCS 240-23375/2-A	Analysis Batch:	240-23483	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-23375	Lab File ID:	YF111610.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/16/2011 1439	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-23375/3-A	Analysis Batch:	240-23483	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-23375	Lab File ID:	YF111621.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/16/2011 2133	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/15/2011 1223			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	102	98	80 - 120	4	20		J

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23375

Method: WI-GRO
Preparation: 5035

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-23483	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-23375	Lab File ID:	YF111615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	11.847 g
Analysis Date:	11/16/2011 1748			Final Weight/Volume:	12.8 mL
Prep Date:	11/15/2011 1223			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-23483	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-23375	Lab File ID:	YF111616.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.463 g
Analysis Date:	11/16/2011 1826			Final Weight/Volume:	11.0 mL
Prep Date:	11/15/2011 1223			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	91	97	80 - 120	29	20	J	J F

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-22625

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-22625/11-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-22625	Lab File ID:	P14F0000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	11/11/2011 1657	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-22625

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-22625/12-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-22625	Lab File ID:	P14F0000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	11/11/2011 1721	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-22625/13-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-22625	Lab File ID:	P14F0000029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	11/11/2011 2145	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	87	96	70 - 120	10	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22625

Method: WI-DRO
Preparation: WI DRO PREP

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-22625	Lab File ID:	P14F0000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.71 g
Analysis Date:	11/11/2011 1922			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Solid	Prep Batch:	240-22625	Lab File ID:	P14F0000024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	27.21 g
Analysis Date:	11/11/2011 1945			Final Weight/Volume:	1 mL
Prep Date:	11/10/2011 0806			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	91	70	60 - 130	8	25		

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-22729

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-22729/1-A	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/17/2011 2010	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	ND		0.39	1.0
Barium	0.108	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	21.1	J	16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	ND		4.9	10
Potassium	22.9	J	6.2	500
Magnesium	21.3	J	5.1	500
Manganese	0.0942	J	0.074	1.5
Silver	0.112	J	0.10	0.50
Sodium	ND		66	500
Nickel	0.333	J	0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Lab Control Sample - Batch: 240-22729

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-22729/2-A	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/17/2011 2016	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	198	99	80 - 120	
Antimony	50.0	46.4	93	80 - 120	
Barium	200	199	100	80 - 120	
Beryllium	5.00	4.75	95	80 - 120	
Calcium	5000	4830	97	80 - 120	
Cadmium	5.00	4.73	95	80 - 120	
Cobalt	50.0	46.6	93	80 - 120	
Chromium	20.0	18.8	94	80 - 120	
Copper	25.0	22.9	92	80 - 120	
Iron	100	100	100	80 - 120	
Potassium	5000	5080	102	80 - 120	
Magnesium	5000	4710	94	80 - 120	
Manganese	50.0	47.5	95	80 - 120	
Silver	5.00	4.91	98	80 - 120	
Sodium	5000	4830	97	80 - 120	
Nickel	50.0	48.5	97	80 - 120	
Vanadium	50.0	46.0	92	80 - 120	
Zinc	50.0	48.4	97	80 - 120	
Arsenic	200	190	95	80 - 120	
Lead	50.0	47.3	95	80 - 120	
Selenium	200	186	93	80 - 120	
Thallium	200	176	88	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22729

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-5702-4	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	11/17/2011 2035			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-4	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-22729	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	11/17/2011 2041			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1053				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	89	90	75 - 125	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Method Blank - Batch: 240-22749

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-22749/1-A	Analysis Batch:	240-23072	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/11/2011 0953	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-22749

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-22749/2-A	Analysis Batch:	240-23072	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/11/2011 0955	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.807	97	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22749

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-5702-1	Analysis Batch:	240-23072	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	11/11/2011 1000			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5702-1	Analysis Batch:	240-23072	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-22749	Lab File ID:	HG11111A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	11/11/2011 1001			Final Weight/Volume:	100 mL
Prep Date:	11/10/2011 1410				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	97	11 - 192	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5702-1

Duplicate - Batch: 240-22771

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-5702-4	Analysis Batch:	240-22771	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/10/2011 1348	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	88	88	0.2	20	
Percent Moisture	12	12	2	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-5702-1

Login Number: 5702

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-5704-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
11/30/2011 2:46 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
11/30/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-5704-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/09/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.4 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-15 (240-5704-1) and TB-009(20111107) (240-5704-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/17/2011.

1,2,4-Trimethylbenzene, Ethylbenzene and tert-Butylbenzene failed the recovery criteria low for the MS of sample AMW-15MS (240-5704-1) in batch 240-23735.

1,2,4-Trimethylbenzene, Ethylbenzene, m-Xylene & p-Xylene and tert-Butylbenzene failed the recovery criteria low for the MSD of sample AMW-15MSD (240-5704-1) in batch 240-23735.

Refer to the QC report for details.

Sample AMW-15 (240-5704-1)[66.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AMW-15 (240-5704-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/10/2011 and analyzed on 11/15/2011 and 11/19/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Several analytes failed the recovery criteria low for the MS of sample 240-5694-7 in batch 240-23019.

Sample AMW-15 (240-5704-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Sample AMW-15 (240-5704-1) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/10/2011 and analyzed on 11/14/2011.

WI Diesel Range Organics (C10-C28) failed the recovery criteria high for the MS of sample 240-5690-3 in batch 240-23146.

WI Diesel Range Organics (C10-C28) failed the recovery criteria high for the MSD of sample 240-5690-3 in batch 240-23146.

Refer to the QC report for details.

No other difficulties were encountered during the WI-DRO analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Sample AMW-15 (240-5704-1) was analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 11/11/2011.

WI Gasoline Range Organics (C6-C10) failed the recovery criteria low for the MS/MSD of sample 240-5690-3 in batch 240-22867.

Refer to the QC report for details.

Sample AMW-15 (240-5704-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the WI-GRO analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample AMW-15 (240-5704-1) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/16/2011 and analyzed on 11/17/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Barium was detected in method blank MB 240-23524/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

DISSOLVED MERCURY (CVAA)

Sample AMW-15 (240-5704-1) was analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/11/2011 and analyzed on 11/15/2011.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5704-1	**AMW-15**					
1,2,4-Trimethylbenzene		1500		67	ug/L	8260B
1,3,5-Trimethylbenzene		200		67	ug/L	8260B
p-Isopropyltoluene		16	J	67	ug/L	8260B
Benzene		690		67	ug/L	8260B
Cyclohexane		340		67	ug/L	8260B
Dichlorodifluoromethane		190		67	ug/L	8260B
Ethylbenzene		1500		67	ug/L	8260B
Naphthalene		620		67	ug/L	8260B
m-Xylene & p-Xylene		2000		130	ug/L	8260B
n-Butylbenzene		56	J	67	ug/L	8260B
Isopropylbenzene		74		67	ug/L	8260B
N-Propylbenzene		210		67	ug/L	8260B
sec-Butylbenzene		18	J	67	ug/L	8260B
o-Xylene		110		67	ug/L	8260B
Toluene		73		67	ug/L	8260B
Methylcyclohexane		110		67	ug/L	8260B
Acenaphthene		1.0	J	10	ug/L	8270C
Anthracene		0.29	J	10	ug/L	8270C
2-Methylnaphthalene		160		100	ug/L	8270C
Fluoranthene		0.47	J	10	ug/L	8270C
Fluorene		0.63	J	10	ug/L	8270C
Naphthalene		400		100	ug/L	8270C
Phenanthrene		1.7	J	10	ug/L	8270C
Pyrene		0.41	J	10	ug/L	8270C
WI Gasoline Range Organics (C6-C10)		15000		1000	ug/L	WI-GRO
WI Diesel Range Organics (C10-C28)		0.64		0.10	mg/L	WI-DRO
Dissolved						
Barium		460	B	200	ug/L	6010B
Arsenic		12		10	ug/L	6010B
240-5704-2TB	**TB-009(20111107)**					
Methylene Chloride		0.44	J	1.0	ug/L	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method	Analyst	Analyst ID
SW846 8260B	Evans, Laura	LE
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-5704-1	AMW-15	Water	11/07/2011 1600	11/09/2011 0930
240-5704-2TB	TB-009(20111107)	Water	11/07/2011 0000	11/09/2011 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1172.D
Dilution:	66.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1450			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1450				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		15	67
1,1,1-Trichloroethane	ND		15	67
1,1,2,2-Tetrachloroethane	ND		12	67
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19	67
1,1,2-Trichloroethane	ND		18	67
1,1-Dichloroethane	ND		10	67
1,1-Dichloroethene	ND		13	67
1,1-Dichloropropene	ND		8.7	67
1,2,3-Trichlorobenzene	ND		11	67
1,2,3-Trichloropropane	ND		29	67
1,2,4-Trichlorobenzene	ND		10	67
1,2,4-Trimethylbenzene	1500		8.0	67
1,2-Dibromo-3-Chloropropane	ND		45	130
1,2-Dichlorobenzene	ND		8.7	67
1,2-Dichloroethane	ND		15	67
1,2-Dichloropropane	ND		12	67
1,3,5-Trimethylbenzene	200		6.4	67
1,3-Dichlorobenzene	ND		9.3	67
1,3-Dichloropropane	ND		11	67
1,4-Dichlorobenzene	ND		8.7	67
Allyl chloride	ND		23	130
2,2-Dichloropropane	ND		8.7	67
2-Chlorotoluene	ND		7.3	67
2-Hexanone	ND		27	670
Bromobenzene	ND		8.7	67
Bromochloromethane	ND		19	67
4-Chlorotoluene	ND		12	67
p-Isopropyltoluene	16	J	8.0	67
Acetone	ND		73	670
Benzene	690		8.7	67
Bromoform	ND		43	67
Bromomethane	ND		27	67
Carbon disulfide	ND		8.7	67
Carbon tetrachloride	ND		8.7	67
Chlorobenzene	ND		10	67
Chloroethane	ND		19	67
Chloroform	ND		11	67
Chloromethane	ND		20	67
cis-1,2-Dichloroethene	ND		11	67
cis-1,3-Dichloropropene	ND		9.3	67
Cyclohexane	340		8.0	67
Hexachlorobutadiene	ND		20	67
Dibromomethane	ND		19	67
Bromodichloromethane	ND		10	67
Dichlorodifluoromethane	190		21	67
Dichlorofluoromethane	ND		28	130

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1172.D
Dilution:	66.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1450			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1450				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		21	130
Ethylbenzene	1500		11	67
1,2-Dibromoethane	ND		16	67
Naphthalene	620		16	67
m-Xylene & p-Xylene	2000		16	130
n-Butylbenzene	56	J	8.0	67
Isopropylbenzene	74		8.7	67
Methyl acetate	ND		25	670
N-Propylbenzene	210		9.3	67
2-Butanone (MEK)	ND		38	670
4-Methyl-2-pentanone (MIBK)	ND		21	670
sec-Butylbenzene	18	J	8.7	67
Methyl tert butyl ether	ND		11	330
Methylene Chloride	ND		22	67
o-Xylene	110		9.3	67
Styrene	ND		7.3	67
tert-Butylbenzene	ND		8.7	67
Tetrachloroethene	ND		19	67
Tetrahydrofuran	ND		28	330
Toluene	73		8.7	67
trans-1,2-Dichloroethene	ND		13	67
trans-1,3-Dichloropropene	ND		13	67
Trichloroethene	ND		11	67
Trichlorofluoromethane	ND		14	67
Vinyl chloride	ND		15	67
Methylcyclohexane	110		8.7	67
Chlorodibromomethane	ND		12	67

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		63 - 129
4-Bromofluorobenzene (Surr)	95		66 - 117
Toluene-d8 (Surr)	98		74 - 115
Dibromofluoromethane (Surr)	95		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **TB-009(20111107)**

Lab Sample ID: 240-5704-2TB Date Sampled: 11/07/2011 0000
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1173.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1512			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1512				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **TB-009(20111107)**

Lab Sample ID: 240-5704-2TB Date Sampled: 11/07/2011 0000
Client Matrix: Water Date Received: 11/09/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1173.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1512			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1512				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.44	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		63 - 129
4-Bromofluorobenzene (Surr)	91		66 - 117
Toluene-d8 (Surr)	98		74 - 115
Dibromofluoromethane (Surr)	95		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-23338	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22631	Lab File ID:	1115027.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	11/15/2011 2044			Final Weight/Volume:	2.00 mL
Prep Date:	11/10/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	1.0	J	0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	0.29	J	0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	130	E	0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	0.47	J	0.10	10
Fluorene	0.63	J	0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	160	E	0.10	10
Phenanthrene	1.7	J	0.10	10
Pyrene	0.41	J	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		28 - 110
2-Fluorophenol (Surr)	89		10 - 110
2,4,6-Tribromophenol (Surr)	62		22 - 120
Nitrobenzene-d5 (Surr)	57		27 - 111
Phenol-d5 (Surr)	71		10 - 110
Terphenyl-d14 (Surr)	41		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-24059	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-22631	Lab File ID:	1119038.D
Dilution:	10			Initial Weight/Volume:	1000 mL
Analysis Date:	11/19/2011 2100	Run Type:	RA	Final Weight/Volume:	2.00 mL
Prep Date:	11/10/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		1.0	100
Acenaphthylene	ND		1.0	100
Anthracene	ND		1.0	100
Benzo[a]anthracene	ND		1.0	2.0
Benzo[b]fluoranthene	ND		1.0	100
Benzo[k]fluoranthene	ND		1.0	100
Benzo[g,h,i]perylene	ND		1.0	100
Benzo[a]pyrene	ND		1.0	100
Chrysene	ND		1.0	100
2-Methylnaphthalene	160		1.0	100
Dibenz(a,h)anthracene	ND		1.0	100
Fluoranthene	ND		1.0	100
Fluorene	ND		1.0	100
Indeno[1,2,3-cd]pyrene	ND		1.0	100
Naphthalene	400		1.0	100
Phenanthrene	2.2	J	1.0	100
Pyrene	ND		1.0	100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		28 - 110
2-Fluorophenol (Surr)	79		10 - 110
2,4,6-Tribromophenol (Surr)	87		22 - 120
Nitrobenzene-d5 (Surr)	52		27 - 111
Phenol-d5 (Surr)	65		10 - 110
Terphenyl-d14 (Surr)	49		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-22867	Instrument ID:	YPID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	YF111112.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1722			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1722			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	15000		260	1000

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-22646	Lab File ID:	P14F0000025.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2011 2201			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.64		0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Client Sample ID: **AMW-15**

Lab Sample ID: 240-5704-1 Date Sampled: 11/07/2011 1600
Client Matrix: Water Date Received: 11/09/2011 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-23859	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1807			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	460	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	12		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-23405	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1648			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	F	MS or MSD exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-23735					
LCS 240-23735/4	Lab Control Sample	T	Water	8260B	
MB 240-23735/5	Method Blank	T	Water	8260B	
240-5704-1	AMW-15	T	Water	8260B	
240-5704-1MS	Matrix Spike	T	Water	8260B	
240-5704-1MSD	Matrix Spike Duplicate	T	Water	8260B	
240-5704-2TB	TB-009(20111107)	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-22631					
LCS 240-22631/18-A	Lab Control Sample	T	Water	3520C	
MB 240-22631/17-A	Method Blank	T	Water	3520C	
240-5694-S-7-A MS	Matrix Spike	T	Water	3520C	
240-5694-S-7-B MSD	Matrix Spike Duplicate	T	Water	3520C	
240-5704-1	AMW-15	T	Water	3520C	
240-5704-1RA	AMW-15	T	Water	3520C	
Analysis Batch:240-23019					
LCS 240-22631/18-A	Lab Control Sample	T	Water	8270C	240-22631
MB 240-22631/17-A	Method Blank	T	Water	8270C	240-22631
240-5694-S-7-A MS	Matrix Spike	T	Water	8270C	240-22631
240-5694-S-7-B MSD	Matrix Spike Duplicate	T	Water	8270C	240-22631
Analysis Batch:240-23338					
240-5704-1	AMW-15	T	Water	8270C	240-22631
Analysis Batch:240-24059					
240-5704-1RA	AMW-15	T	Water	8270C	240-22631

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-22867					
LCS 240-22867/7	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-22867/18	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-22867/6	Method Blank	T	Water	WI-GRO	
240-5690-B-3 MS	Matrix Spike	T	Water	WI-GRO	
240-5690-B-3 MSD	Matrix Spike Duplicate	T	Water	WI-GRO	
240-5704-1	AMW-15	T	Water	WI-GRO	

Report Basis
T = Total

GC Semi VOA					
Prep Batch: 240-22646					
LCS 240-22646/10-A	Lab Control Sample	T	Water	3510C	
LCSD 240-22646/11-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-22646/9-A	Method Blank	T	Water	3510C	
240-5690-S-3-A MS	Matrix Spike	T	Water	3510C	
240-5690-S-3-B MSD	Matrix Spike Duplicate	T	Water	3510C	
240-5704-1	AMW-15	T	Water	3510C	
Analysis Batch:240-22908					
LCS 240-22646/10-A	Lab Control Sample	T	Water	WI-DRO	240-22646
LCSD 240-22646/11-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-22646
MB 240-22646/9-A	Method Blank	T	Water	WI-DRO	240-22646
Analysis Batch:240-23146					
240-5690-S-3-A MS	Matrix Spike	T	Water	WI-DRO	240-22646
240-5690-S-3-B MSD	Matrix Spike Duplicate	T	Water	WI-DRO	240-22646
240-5704-1	AMW-15	T	Water	WI-DRO	240-22646

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-22836					
LCS 240-22836/2-A	Lab Control Sample	T	Water	7470A	
MB 240-22836/1-A	Method Blank	T	Water	7470A	
240-5690-R-3-B MS	Matrix Spike	D	Water	7470A	
240-5690-R-3-C MSD	Matrix Spike Duplicate	D	Water	7470A	
240-5704-1	AMW-15	D	Water	7470A	
Analysis Batch:240-23405					
LCS 240-22836/2-A	Lab Control Sample	T	Water	7470A	240-22836
MB 240-22836/1-A	Method Blank	T	Water	7470A	240-22836
240-5690-R-3-B MS	Matrix Spike	D	Water	7470A	240-22836
240-5690-R-3-C MSD	Matrix Spike Duplicate	D	Water	7470A	240-22836
240-5704-1	AMW-15	D	Water	7470A	240-22836
Prep Batch: 240-23524					
LCS 240-23524/2-A	Lab Control Sample	R	Water	3005A	
MB 240-23524/1-A	Method Blank	R	Water	3005A	
240-5690-Q-3-B MS	Matrix Spike	D	Water	3005A	
240-5690-Q-3-C MSD	Matrix Spike Duplicate	D	Water	3005A	
240-5704-1	AMW-15	D	Water	3005A	
Analysis Batch:240-23859					
LCS 240-23524/2-A	Lab Control Sample	R	Water	6010B	240-23524
MB 240-23524/1-A	Method Blank	R	Water	6010B	240-23524
240-5690-Q-3-B MS	Matrix Spike	D	Water	6010B	240-23524
240-5690-Q-3-C MSD	Matrix Spike Duplicate	D	Water	6010B	240-23524
240-5704-1	AMW-15	D	Water	6010B	240-23524

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc.

Job Number: 240-5704-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-5704-1	AMW-15	87	95	98	95
240-5704-2	TB-009(20111107)	90	91	98	95
MB 240-23735/5		89	92	100	98
LCS 240-23735/4		89	102	98	101
240-5704-1 MS	AMW-15 MS	86	105	100	96
240-5704-1 MSD	AMW-15 MSD	85	104	101	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5704-1	AMW-15	55	89	62	57	71	41
240-5704-1 RA	AMW-15 RA	68	79	87	52	65	49
MB 240-22631/17-A		65	71	43	67	73	79
LCS 240-22631/18-A		71	79	65	72	79	85
240-5694-S-7-A MS		60	67	66	60	71	41
240-5694-S-7-B MSD		56	67	64	59	67	39

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-23735 **Method: 8260B**
Preparation: 5030B

Lab Sample ID:	MB 240-23735/5	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1171.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1427	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1427				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-23735

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-23735/5	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1171.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1427	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1427				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	2.0
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	63 - 129
4-Bromofluorobenzene (Surr)	92	66 - 117
Toluene-d8 (Surr)	100	74 - 115
Dibromofluoromethane (Surr)	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Lab Control Sample - Batch: 240-23735

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23735/4	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1170.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1356	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1356				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.61	96	72 - 116	
1,1,1-Trichloroethane	10.0	10.6	106	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.20	92	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.8	118	74 - 151	
1,1,2-Trichloroethane	10.0	9.26	93	80 - 112	
1,1-Dichloroethane	10.0	10.2	102	82 - 115	
1,1-Dichloroethene	10.0	11.3	113	78 - 131	
1,1-Dichloropropene	10.0	9.95	100	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.31	93	54 - 126	
1,2,3-Trichloropropane	10.0	8.99	90	73 - 129	
1,2,4-Trichlorobenzene	10.0	8.60	86	48 - 135	
1,2,4-Trimethylbenzene	10.0	8.87	89	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	11.1	111	42 - 136	
1,2-Dichlorobenzene	10.0	9.29	93	81 - 110	
1,2-Dichloroethane	10.0	9.37	94	71 - 127	
1,2-Dichloropropane	10.0	10.1	101	81 - 115	
1,3,5-Trimethylbenzene	10.0	8.86	89	72 - 118	
1,3-Dichlorobenzene	10.0	8.89	89	80 - 110	
1,3-Dichloropropane	10.0	9.11	91	79 - 116	
1,4-Dichlorobenzene	10.0	8.74	87	82 - 110	
2,2-Dichloropropane	10.0	10.3	103	50 - 129	
2-Chlorotoluene	10.0	8.98	90	76 - 116	
2-Hexanone	20.0	19.1	96	55 - 133	
Bromobenzene	10.0	8.87	89	76 - 115	
Bromochloromethane	10.0	9.93	99	77 - 120	
4-Chlorotoluene	10.0	8.86	89	77 - 115	
p-Isopropyltoluene	10.0	9.41	94	74 - 120	
Acetone	20.0	20.0	100	43 - 136	
Benzene	10.0	9.85	99	83 - 112	
Bromoform	10.0	8.26	83	40 - 131	
Bromomethane	10.0	9.48	95	11 - 185	
Carbon disulfide	10.0	10.5	105	62 - 142	
Carbon tetrachloride	10.0	9.77	98	66 - 128	
Chlorobenzene	10.0	9.08	91	85 - 110	
Chloroethane	10.0	8.92	89	25 - 153	
Chloroform	10.0	10.0	100	79 - 117	
Chloromethane	10.0	8.57	86	44 - 126	
cis-1,2-Dichloroethene	10.0	9.84	98	80 - 113	
cis-1,3-Dichloropropene	10.0	8.31	83	61 - 115	
Cyclohexane	10.0	10.1	101	54 - 121	
Hexachlorobutadiene	10.0	9.07	91	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Lab Control Sample - Batch: 240-23735

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23735/4	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1170.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1356	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1356				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.85	99	81 - 120	
Bromodichloromethane	10.0	9.66	97	72 - 121	
Dichlorodifluoromethane	10.0	5.79	58	19 - 129	
Ethyl ether	10.0	12.3	123	53 - 135	
Ethylbenzene	10.0	9.30	93	83 - 112	
1,2-Dibromoethane	10.0	9.31	93	79 - 113	
Naphthalene	10.0	8.89	89	32 - 141	
m-Xylene & p-Xylene	20.0	18.2	91	83 - 113	
n-Butylbenzene	10.0	9.26	93	66 - 125	
Isopropylbenzene	10.0	9.10	91	75 - 114	
Methyl acetate	10.0	9.50	95	58 - 131	J
N-Propylbenzene	10.0	9.19	92	74 - 121	
2-Butanone (MEK)	20.0	19.4	97	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	19.4	97	63 - 128	
sec-Butylbenzene	10.0	8.74	87	70 - 117	
Methyl tert butyl ether	10.0	9.76	98	52 - 144	
Methylene Chloride	10.0	11.4	114	66 - 131	
o-Xylene	10.0	9.04	90	83 - 113	
Styrene	10.0	9.07	91	79 - 114	
tert-Butylbenzene	10.0	8.79	88	71 - 115	
Tetrachloroethene	10.0	9.36	94	79 - 114	
Tetrahydrofuran	10.0	10.0	100	23 - 143	
Toluene	10.0	9.28	93	84 - 111	
trans-1,2-Dichloroethene	10.0	10.8	108	83 - 117	
trans-1,3-Dichloropropene	10.0	8.17	82	58 - 117	
Trichloroethene	10.0	9.71	97	76 - 117	
Trichlorofluoromethane	10.0	8.68	87	49 - 157	
Vinyl chloride	10.0	8.46	85	53 - 127	
Methylcyclohexane	10.0	10.5	105	56 - 127	
Chlorodibromomethane	10.0	8.32	83	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	63 - 129
4-Bromofluorobenzene (Surr)	102	66 - 117
Toluene-d8 (Surr)	98	74 - 115
Dibromofluoromethane (Surr)	101	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23735

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5704-1	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1192.D
Dilution:	66.67	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2223			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2223				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5704-1	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1193.D
Dilution:	66.67	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2246			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2246				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	90	90	64 - 118	0	30		
1,1,1-Trichloroethane	95	95	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	96	94	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	105	111	70 - 152	6	30		
1,1,2-Trichloroethane	91	90	75 - 115	0	30		
1,1-Dichloroethane	93	92	79 - 116	1	30		
1,1-Dichloroethene	103	104	74 - 135	1	30		
1,1-Dichloropropene	89	89	80 - 114	1	30		
1,2,3-Trichlorobenzene	84	83	45 - 129	1	30		
1,2,3-Trichloropropane	89	92	67 - 132	3	30		
1,2,4-Trichlorobenzene	79	80	38 - 138	0	30		
1,2,4-Trimethylbenzene	60	61	67 - 124	0	30	F	F
1,2-Dibromo-3-Chloropropane	106	97	32 - 139	9	30		
1,2-Dichlorobenzene	88	88	75 - 111	1	30		
1,2-Dichloroethane	87	89	68 - 129	2	30		
1,2-Dichloropropane	90	90	78 - 115	0	30		
1,3,5-Trimethylbenzene	82	83	63 - 121	1	30		
1,3-Dichlorobenzene	84	83	73 - 110	1	30		
1,3-Dichloropropane	88	88	74 - 118	1	30		
1,4-Dichlorobenzene	83	82	75 - 110	1	30		
2,2-Dichloropropane	86	82	38 - 127	5	30		
2-Chlorotoluene	84	84	69 - 117	1	30		
2-Hexanone	100	97	47 - 139	3	30		
Bromobenzene	84	84	71 - 116	1	30		
Bromochloromethane	89	88	73 - 121	0	30		
4-Chlorotoluene	80	83	71 - 116	3	30		
p-Isopropyltoluene	84	85	64 - 122	1	30		
Acetone	105	95	33 - 145	10	30		
Benzene	80	78	72 - 121	1	30		
Bromoform	74	72	32 - 128	2	30		
Bromomethane	100	87	10 - 186	14	30		
Carbon disulfide	99	92	57 - 147	7	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23735

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5704-1	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1192.D
Dilution:	66.67	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2223			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2223				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5704-1	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1193.D
Dilution:	66.67	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2246			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2246				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	87	88	59 - 129	1	30		
Chlorobenzene	84	84	80 - 110	0	30		
Chloroethane	91	83	21 - 165	10	30		
Chloroform	91	91	76 - 118	0	30		
Chloromethane	76	72	33 - 132	6	30		
cis-1,2-Dichloroethene	91	90	70 - 120	0	30		
cis-1,3-Dichloropropene	70	71	51 - 110	0	30		
Cyclohexane	92	93	49 - 123	1	30		
Hexachlorobutadiene	74	82	27 - 132	11	30		
Dibromomethane	91	91	77 - 121	1	30		
Bromodichloromethane	87	85	67 - 120	3	30		
Dichlorodifluoromethane	46	48	17 - 128	4	30		
Ethyl ether	112	113	63 - 136	1	30		
Ethylbenzene	68	63	75 - 116	2	30	F	F
1,2-Dibromoethane	89	87	74 - 113	1	30		
Naphthalene	86	89	15 - 158	2	30		
m-Xylene & p-Xylene	75	71	75 - 117	2	30		F
n-Butylbenzene	85	87	56 - 127	2	30		
Isopropylbenzene	82	82	68 - 116	0	30		
Methyl acetate	88	87	47 - 130	1	30	J	J
N-Propylbenzene	81	82	64 - 124	1	30		
2-Butanone (MEK)	94	94	54 - 129	1	30		
4-Methyl-2-pentanone (MIBK)	93	92	56 - 131	2	30		
sec-Butylbenzene	78	80	60 - 119	2	30		
Methyl tert butyl ether	87	89	46 - 144	2	30		
Methylene Chloride	107	103	63 - 128	4	30		
o-Xylene	84	84	76 - 116	0	30		
Styrene	86	86	71 - 117	0	30		
tert-Butylbenzene	0	0	61 - 119	NC	30	F	F
Tetrachloroethene	85	86	70 - 117	0	30		
Tetrahydrofuran	93	94	10 - 167	1	30		
Toluene	86	86	78 - 114	0	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23735

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5704-1	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1192.D
Dilution:	66.67	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2223			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2223				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5704-1	Analysis Batch:	240-23735	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1193.D
Dilution:	66.67	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2246			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2246				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	99	97	80 - 119	2	30		
trans-1,3-Dichloropropene	73	72	46 - 116	0	30		
Trichloroethene	85	86	66 - 120	1	30		
Trichlorofluoromethane	80	78	46 - 157	2	30		
Vinyl chloride	79	81	49 - 130	2	30		
Methylcyclohexane	95	98	49 - 127	3	30		
Chlorodibromomethane	78	75	56 - 118	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	85	63 - 129
4-Bromofluorobenzene (Surr)	105	104	66 - 117
Toluene-d8 (Surr)	100	101	74 - 115
Dibromofluoromethane (Surr)	96	96	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-22631

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-22631/17-A	Analysis Batch:	240-23019	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22631	Lab File ID:	1112006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2011 1349	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/10/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	28 - 110
2-Fluorophenol (Surr)	71	10 - 110
2,4,6-Tribromophenol (Surr)	43	22 - 120
Nitrobenzene-d5 (Surr)	67	27 - 111
Phenol-d5 (Surr)	73	10 - 110
Terphenyl-d14 (Surr)	79	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Lab Control Sample - Batch: 240-22631

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-22631/18-A	Analysis Batch:	240-23019	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22631	Lab File ID:	1112007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2011 1406	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/10/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	14.7	73	40 - 110	
Acenaphthylene	20.0	14.9	74	43 - 110	
Anthracene	20.0	14.8	74	54 - 114	
Benzo[a]anthracene	20.0	14.6	73	55 - 115	
Benzo[b]fluoranthene	20.0	14.5	72	43 - 122	
Benzo[k]fluoranthene	20.0	15.5	78	43 - 124	
Benzo[g,h,i]perylene	20.0	15.1	76	45 - 120	
Benzo[a]pyrene	20.0	12.7	64	43 - 116	
Chrysene	20.0	16.1	80	55 - 115	
2-Methylnaphthalene	20.0	15.0	75	35 - 110	
Dibenz(a,h)anthracene	20.0	14.9	75	46 - 122	
Fluoranthene	20.0	15.8	79	54 - 122	
Fluorene	20.0	15.4	77	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	14.6	73	46 - 121	
Naphthalene	20.0	14.8	74	31 - 110	
Phenanthrene	20.0	15.0	75	52 - 114	
Pyrene	20.0	15.5	78	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	71	28 - 110
2-Fluorophenol (Surr)	79	10 - 110
2,4,6-Tribromophenol (Surr)	65	22 - 120
Nitrobenzene-d5 (Surr)	72	27 - 111
Phenol-d5 (Surr)	79	10 - 110
Terphenyl-d14 (Surr)	85	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22631

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5694-S-7-A MS	Analysis Batch:	240-23019	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22631	Lab File ID:	1112031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	525 mL
Analysis Date:	11/12/2011 2049			Final Weight/Volume:	2.00 mL
Prep Date:	11/10/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5694-S-7-B MSD	Analysis Batch:	240-23019	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-22631	Lab File ID:	1112032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	525 mL
Analysis Date:	11/12/2011 2106			Final Weight/Volume:	2.00 mL
Prep Date:	11/10/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	61	58	36 - 110	4	30		
Acenaphthylene	63	59	39 - 110	5	30		
Anthracene	61	58	46 - 110	5	30		
Benzo[a]anthracene	45	41	52 - 110	8	30	F	F
Benzo[b]fluoranthene	33	33	33 - 114	0	30	J	J
Benzo[k]fluoranthene	35	32	32 - 121	9	30	J	J
Benzo[g,h,i]perylene	25	24	34 - 116	4	30	J F	J F
Benzo[a]pyrene	28	27	33 - 110	2	30	J F	J F
Chrysene	45	43	52 - 111	6	30	J F	J F
2-Methylnaphthalene	68	66	35 - 110	3	30		
Dibenz(a,h)anthracene	22	21	35 - 118	4	30	J F	J F
Fluoranthene	64	61	53 - 111	4	30		
Fluorene	65	61	43 - 110	6	30		
Indeno[1,2,3-cd]pyrene	23	23	36 - 116	3	30	J F	J F
Naphthalene	65	62	32 - 110	5	30		
Phenanthrene	66	62	47 - 110	6	30		
Pyrene	58	56	54 - 115	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	60	56	28 - 110
2-Fluorophenol (Surr)	67	67	10 - 110
2,4,6-Tribromophenol (Surr)	66	64	22 - 120
Nitrobenzene-d5 (Surr)	60	59	27 - 111
Phenol-d5 (Surr)	71	67	10 - 110
Terphenyl-d14 (Surr)	41	39	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-22867

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-22867/6	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1335	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1335			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-22867

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-22867/7	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111107.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1413	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1413			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-22867/18	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111118.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 2108	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 2108			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	103	93	80 - 120	10	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22867

Method: WI-GRO
Preparation: 5030B

MS Lab Sample ID:	240-5690-B-3 MS	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111116.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 1953			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 1953			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-B-3 MSD	Analysis Batch:	240-22867	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF111117.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/11/2011 2031			Final Weight/Volume:	5 mL
Prep Date:	11/11/2011 2031			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	-135	-138	80 - 120	1	20	F	F

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-22646

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-22646/9-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2011 1207	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-22646

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-22646/10-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2011 1232	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 240-22646/11-A	Analysis Batch:	240-22908	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2011 1609	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	90	89	75 - 115	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22646

Method: WI-DRO
Preparation: 3510C

MS Lab Sample ID:	240-5690-S-3-A MS	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	495 mL
Analysis Date:	11/14/2011 2049			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-S-3-B MSD	Analysis Batch:	240-23146	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-22646	Lab File ID:	P14F0000023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	495 mL
Analysis Date:	11/14/2011 2113			Final Weight/Volume:	1.00 mL
Prep Date:	11/10/2011 0826			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	188	153	60 - 130	13	25	F	F

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-23524

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-23524/1-A	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1659	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	1.37	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-23524

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-23524/2-A	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1706	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2090	105	80 - 120	
Cadmium	50.0	49.5	99	80 - 120	
Chromium	200	198	99	80 - 120	
Silver	50.0	52.2	104	80 - 120	
Arsenic	2000	2010	101	80 - 120	
Lead	500	494	99	80 - 120	
Selenium	2000	1960	98	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23524

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-5690-Q-3-B MS	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1724			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-Q-3-C MSD	Analysis Batch:	240-23859	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23524	Lab File ID:	I61117A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/17/2011 1742			Final Weight/Volume:	50 mL
Prep Date:	11/16/2011 1017				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	104	107	75 - 125	3	20		
Cadmium	98	100	75 - 125	3	20		
Chromium	97	99	75 - 125	2	20		
Silver	103	106	75 - 125	3	20		
Arsenic	100	103	75 - 125	3	20		
Lead	98	100	75 - 125	2	20		
Selenium	98	100	75 - 125	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5704-1

Method Blank - Batch: 240-22836

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-22836/1-A	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1631	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-22836

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-22836/2-A	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1632	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.45	89	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-22836

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-5690-R-3-B MS	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1637			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5690-R-3-C MSD	Analysis Batch:	240-23405	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-22836	Lab File ID:	HG11115D.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/15/2011 1639			Final Weight/Volume:	100 mL
Prep Date:	11/11/2011 1505				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	84	69 - 134	11	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-5704-1

Login Number: 5704

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-5928-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
11/30/2011 3:56 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
11/30/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-5928-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/15/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt was 2.3, 2.6 and 2.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-19 (240-5928-1), AMW-20 (240-5928-2), DUP-01 (240-5928-3) and TRIP BLANK (240-5928-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/18/2011 and 11/23/2011.

1,2,3-Trichlorobenzene, Methylene Chloride and Naphthalene were detected in method blank MB 240-24524/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): AMW-20 (240-5928-2), DUP-01 (240-5928-3).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-19 (240-5928-1), AMW-20 (240-5928-2) and DUP-01 (240-5928-3) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/17/2011 and analyzed on 11/21/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Several analytes failed the recovery criteria low for the MS of sample AMW-19MS (240-5928-1) in batch 240-24168.

Several analytes failed the recovery criteria low for the MSD of sample AMW-19MSD (240-5928-1) in batch 240-24168. Dibenz(a,h)anthracene exceeded the rpd limit.

Refer to the QC report for details.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples AMW-19 (240-5928-1), AMW-20 (240-5928-2) and DUP-01 (240-5928-3) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/17/2011 and analyzed on 11/18/2011.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-23759/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples AMW-19 (240-5928-1), AMW-20 (240-5928-2) and DUP-01 (240-5928-3) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 11/17/2011.

Method(s) WI-GRO: The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): AMW-19 (240-5928-1), AMW-20 (240-5928-2), DUP-01 (240-5928-3).

No other difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples AMW-19 (240-5928-1), AMW-20 (240-5928-2) and DUP-01 (240-5928-3) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/18/2011 and analyzed on 11/21/2011 and 11/22/2011.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

Several analytes were detected in method blank MB 240-23930/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

DISSOLVED MERCURY (CVAA)

Samples AMW-19 (240-5928-1), AMW-20 (240-5928-2) and DUP-01 (240-5928-3) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/17/2011 and analyzed on 11/21/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5928-1	**AMW-19**					
WI Diesel Range Organics (C10-C28)		0.26	B	0.10	mg/L	WI-DRO
Dissolved						
Barium		240	B	200	ug/L	6010B
Arsenic		4.7	J B	10	ug/L	6010B
Beryllium		0.84	J B	5.0	ug/L	6010B
Calcium		150000	B	5000	ug/L	6010B
Cobalt		4.9	J	7.0	ug/L	6010B
Iron		170		100	ug/L	6010B
Potassium		4300	J B	5000	ug/L	6010B
Magnesium		41000	B	5000	ug/L	6010B
Manganese		2800	B	15	ug/L	6010B
Sodium		55000		5000	ug/L	6010B
Nickel		3.4	J	40	ug/L	6010B
Antimony		2.9	J	10	ug/L	6010B
240-5928-2	**AMW-20**					
Acetone		5.4	J	10	ug/L	8260B
Benzene		0.14	J	1.0	ug/L	8260B
2-Butanone (MEK)		0.88	J	10	ug/L	8260B
Tetrahydrofuran		0.51	J	5.0	ug/L	8260B
Toluene		0.19	J	1.0	ug/L	8260B
Methylcyclohexane		0.15	J	1.0	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.63	B	0.099	mg/L	WI-DRO
Dissolved						
Barium		200	B	200	ug/L	6010B
Arsenic		4.3	J B	10	ug/L	6010B
Beryllium		0.79	J B	5.0	ug/L	6010B
Calcium		180000	B	5000	ug/L	6010B
Cobalt		5.3	J	7.0	ug/L	6010B
Potassium		3500	J B	5000	ug/L	6010B
Magnesium		49000	B	5000	ug/L	6010B
Manganese		1800	B	15	ug/L	6010B
Sodium		66000		5000	ug/L	6010B
Nickel		6.9	J	40	ug/L	6010B
Antimony		3.3	J	10	ug/L	6010B
Vanadium		0.64	J	7.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5928-3FD	**DUP-01**					
Acetone		1.9	J	10	ug/L	8260B
Toluene		0.14	J	1.0	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.28	B	0.097	mg/L	WI-DRO
Dissolved						
Barium		200	B	200	ug/L	6010B
Arsenic		4.3	J B	10	ug/L	6010B
Beryllium		0.80	J B	5.0	ug/L	6010B
Calcium		190000	B	5000	ug/L	6010B
Cobalt		9.9		7.0	ug/L	6010B
Potassium		3600	J B	5000	ug/L	6010B
Magnesium		51000	B	5000	ug/L	6010B
Manganese		1900	B	15	ug/L	6010B
Sodium		69000		5000	ug/L	6010B
Nickel		7.6	J	40	ug/L	6010B
240-5928-4TB	**TRIP BLANK**					
1,2,3-Trichlorobenzene		0.73	J B	1.0	ug/L	8260B
Naphthalene		0.58	J B	1.0	ug/L	8260B
Methylene Chloride		0.47	J B	1.0	ug/L	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method	Analyst	Analyst ID
SW846 8260B	Evans, Laura	LE
SW846 8260B	Quayle, Rick	RQ
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-5928-1	AMW-19	Water	11/11/2011 1145	11/15/2011 0900
240-5928-1MS	AMW-19	Water	11/11/2011 1145	11/15/2011 0900
240-5928-1MSD	AMW-19	Water	11/11/2011 1145	11/15/2011 0900
240-5928-2	AMW-20	Water	11/11/2011 1230	11/15/2011 0900
240-5928-3FD	DUP-01	Water	11/11/2011 0000	11/15/2011 0900
240-5928-4TB	TRIP BLANK	Water	11/11/2011 0000	11/15/2011 0900

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-5928-1 Date Sampled: 11/11/2011 1145
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX7736.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1239			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-5928-1 Date Sampled: 11/11/2011 1145
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX7736.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1239			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		63 - 129
4-Bromofluorobenzene (Surr)	88		66 - 117
Toluene-d8 (Surr)	100		74 - 115
Dibromofluoromethane (Surr)	104		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-5928-2 Date Sampled: 11/11/2011 1230
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1224.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1228			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	5.4	J	1.1	10
Benzene	0.14	J	0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-5928-2 Date Sampled: 11/11/2011 1230
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1224.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1228			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	0.88	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	0.51	J	0.42	5.0
Toluene	0.19	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	0.15	J	0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		63 - 129
4-Bromofluorobenzene (Surr)	101		66 - 117
Toluene-d8 (Surr)	99		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **DUP-01**

Lab Sample ID: 240-5928-3FD Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1225.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1251			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1251				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	1.9	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **DUP-01**

Lab Sample ID: 240-5928-3FD Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXJ1225.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1251			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1251				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	0.14	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		63 - 129
4-Bromofluorobenzene (Surr)	96		66 - 117
Toluene-d8 (Surr)	98		74 - 115
Dibromofluoromethane (Surr)	92		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 240-5928-4TB Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX7742.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1456			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1456				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.73	J B	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 240-5928-4TB Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX7742.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1456			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1456				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	0.58	J B	0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.47	J B	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		63 - 129
4-Bromofluorobenzene (Surr)	88		66 - 117
Toluene-d8 (Surr)	102		74 - 115
Dibromofluoromethane (Surr)	102		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-5928-1 Date Sampled: 11/11/2011 1145
Client Matrix: Water Date Received: 11/15/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-23673	Lab File ID:	1121025.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/21/2011 1750			Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.21
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	48		28 - 110
2-Fluorophenol (Surr)	56		10 - 110
2,4,6-Tribromophenol (Surr)	54		22 - 120
Nitrobenzene-d5 (Surr)	57		27 - 111
Phenol-d5 (Surr)	59		10 - 110
Terphenyl-d14 (Surr)	37		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-5928-2 Date Sampled: 11/11/2011 1230
Client Matrix: Water Date Received: 11/15/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-23673	Lab File ID:	1121028.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/21/2011 1841			Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		28 - 110
2-Fluorophenol (Surr)	65		10 - 110
2,4,6-Tribromophenol (Surr)	63		22 - 120
Nitrobenzene-d5 (Surr)	69		27 - 111
Phenol-d5 (Surr)	67		10 - 110
Terphenyl-d14 (Surr)	64		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **DUP-01**

Lab Sample ID: 240-5928-3FD Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-23673	Lab File ID:	1121029.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	11/21/2011 1857			Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		28 - 110
2-Fluorophenol (Surr)	58		10 - 110
2,4,6-Tribromophenol (Surr)	53		22 - 120
Nitrobenzene-d5 (Surr)	60		27 - 111
Phenol-d5 (Surr)	58		10 - 110
Terphenyl-d14 (Surr)	52		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-5928-1 Date Sampled: 11/11/2011 1145
Client Matrix: Water Date Received: 11/15/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23696	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF111718.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1751			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1751			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-5928-2 Date Sampled: 11/11/2011 1230
Client Matrix: Water Date Received: 11/15/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23696	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF111721.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1924			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1924			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **DUP-01**

Lab Sample ID: 240-5928-3FD Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-23696	Instrument ID:	AFID
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	AF111722.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1955			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1955			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-5928-1 Date Sampled: 11/11/2011 1145
Client Matrix: Water Date Received: 11/15/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-23759	Lab File ID:	P14F0000016.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/18/2011 1551			Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.26	B	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-5928-2 Date Sampled: 11/11/2011 1230
Client Matrix: Water Date Received: 11/15/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-23759	Lab File ID:	P14F0000019.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	11/18/2011 1703			Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.63	B	0.016	0.099

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **DUP-01**

Lab Sample ID: 240-5928-3FD Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-23759	Lab File ID:	P14F0000020.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	11/18/2011 1727			Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.28	B	0.016	0.097

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-5928-1 Date Sampled: 11/11/2011 1145
Client Matrix: Water Date Received: 11/15/2011 0900

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-24269	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2306			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	240	B	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	4.7	J B	3.2	10
Beryllium	0.84	J B	0.46	5.0
Lead	ND		1.9	3.0
Calcium	150000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	4.9	J	1.7	7.0
Copper	ND		4.5	25
Iron	170		81	100
Magnesium	41000	B	34	5000
Manganese	2800	B	0.41	15
Sodium	55000		590	5000
Nickel	3.4	J	3.2	40
Antimony	2.9	J	1.8	10
Vanadium	ND		0.64	7.0
Zinc	ND		5.0	50

Analysis Method:	6010B	Analysis Batch:	240-24269	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0529			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	4300	J B	72	5000
Thallium	ND		4.7	10

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-24219	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1307			Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-5928-2 Date Sampled: 11/11/2011 1230
Client Matrix: Water Date Received: 11/15/2011 0900

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-24269	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2343			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	200	B	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	4.3	J B	3.2	10
Beryllium	0.79	J B	0.46	5.0
Lead	ND		1.9	3.0
Calcium	180000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	5.3	J	1.7	7.0
Copper	ND		4.5	25
Iron	ND		81	100
Magnesium	49000	B	34	5000
Manganese	1800	B	0.41	15
Sodium	66000		590	5000
Nickel	6.9	J	3.2	40
Antimony	3.3	J	1.8	10
Vanadium	0.64	J	0.64	7.0
Zinc	ND		5.0	50

Analysis Method:	6010B	Analysis Batch:	240-24269	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0553			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	3500	J B	72	5000
Thallium	ND		4.7	10

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-24219	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1314			Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Client Sample ID: **DUP-01**

Lab Sample ID: 240-5928-3FD Date Sampled: 11/11/2011 0000
Client Matrix: Water Date Received: 11/15/2011 0900

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-24269	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2349			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	200	B	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	4.3	J B	3.2	10
Beryllium	0.80	J B	0.46	5.0
Lead	ND		1.9	3.0
Calcium	190000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	9.9		1.7	7.0
Copper	ND		4.5	25
Iron	ND		81	100
Magnesium	51000	B	34	5000
Manganese	1900	B	0.41	15
Sodium	69000		590	5000
Nickel	7.6	J	3.2	40
Antimony	ND		1.8	10
Vanadium	ND		0.64	7.0
Zinc	ND		5.0	50

Analysis Method:	6010B	Analysis Batch:	240-24269	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0559			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Potassium	3600	J B	72	5000
Thallium	ND		4.7	10

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-24219	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1315			Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-23941					
LCS 240-23941/4	Lab Control Sample	T	Water	8260B	
MB 240-23941/5	Method Blank	T	Water	8260B	
240-5792-H-14 MS	Matrix Spike	T	Water	8260B	
240-5792-E-14 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-5928-2	AMW-20	T	Water	8260B	
240-5928-3FD	DUP-01	T	Water	8260B	
Analysis Batch:240-24524					
LCS 240-24524/4	Lab Control Sample	T	Water	8260B	
MB 240-24524/5	Method Blank	T	Water	8260B	
240-5928-1	AMW-19	T	Water	8260B	
240-5928-1MS	Matrix Spike	T	Water	8260B	
240-5928-1MSD	Matrix Spike Duplicate	T	Water	8260B	
240-5928-4TB	TRIP BLANK	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-23673					
LCS 240-23673/22-A	Lab Control Sample	T	Water	3520C	
MB 240-23673/21-A	Method Blank	T	Water	3520C	
240-5928-1	AMW-19	T	Water	3520C	
240-5928-1MS	Matrix Spike	T	Water	3520C	
240-5928-1MSD	Matrix Spike Duplicate	T	Water	3520C	
240-5928-2	AMW-20	T	Water	3520C	
240-5928-3FD	DUP-01	T	Water	3520C	
Analysis Batch:240-24168					
240-5928-1	AMW-19	T	Water	8270C	240-23673
240-5928-1MS	Matrix Spike	T	Water	8270C	240-23673
240-5928-1MSD	Matrix Spike Duplicate	T	Water	8270C	240-23673
240-5928-2	AMW-20	T	Water	8270C	240-23673
240-5928-3FD	DUP-01	T	Water	8270C	240-23673
Analysis Batch:240-24295					
LCS 240-23673/22-A	Lab Control Sample	T	Water	8270C	240-23673
MB 240-23673/21-A	Method Blank	T	Water	8270C	240-23673

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-23696					
LCS 240-23696/9	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-23696/23	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-23696/8	Method Blank	T	Water	WI-GRO	
240-5928-1	AMW-19	T	Water	WI-GRO	
240-5928-1MS	Matrix Spike	T	Water	WI-GRO	
240-5928-1MSD	Matrix Spike Duplicate	T	Water	WI-GRO	
240-5928-2	AMW-20	T	Water	WI-GRO	
240-5928-3FD	DUP-01	T	Water	WI-GRO	

Report Basis
T = Total

GC Semi VOA					
Prep Batch: 240-23759					
LCS 240-23759/2-A	Lab Control Sample	T	Water	3510C	
LCSD 240-23759/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-23759/1-A	Method Blank	T	Water	3510C	
240-5928-1	AMW-19	T	Water	3510C	
240-5928-1MS	Matrix Spike	T	Water	3510C	
240-5928-1MSD	Matrix Spike Duplicate	T	Water	3510C	
240-5928-2	AMW-20	T	Water	3510C	
240-5928-3FD	DUP-01	T	Water	3510C	
Analysis Batch:240-23922					
LCS 240-23759/2-A	Lab Control Sample	T	Water	WI-DRO	240-23759
MB 240-23759/1-A	Method Blank	T	Water	WI-DRO	240-23759
240-5928-1	AMW-19	T	Water	WI-DRO	240-23759
240-5928-1MS	Matrix Spike	T	Water	WI-DRO	240-23759
240-5928-1MSD	Matrix Spike Duplicate	T	Water	WI-DRO	240-23759
240-5928-2	AMW-20	T	Water	WI-DRO	240-23759
240-5928-3FD	DUP-01	T	Water	WI-DRO	240-23759
Analysis Batch:240-24134					
LCSD 240-23759/3-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-23759

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-23739					
LCS 240-23739/2-A	Lab Control Sample	T	Water	7470A	
MB 240-23739/1-A	Method Blank	T	Water	7470A	
240-5928-1	AMW-19	D	Water	7470A	
240-5928-1MS	Matrix Spike	D	Water	7470A	
240-5928-1MSD	Matrix Spike Duplicate	D	Water	7470A	
240-5928-2	AMW-20	D	Water	7470A	
240-5928-3FD	DUP-01	D	Water	7470A	
Prep Batch: 240-23930					
LCS 240-23930/2-A	Lab Control Sample	R	Water	3005A	
MB 240-23930/1-A	Method Blank	R	Water	3005A	
240-5928-1	AMW-19	D	Water	3005A	
240-5928-1MS	Matrix Spike	D	Water	3005A	
240-5928-1MSD	Matrix Spike Duplicate	D	Water	3005A	
240-5928-2	AMW-20	D	Water	3005A	
240-5928-3FD	DUP-01	D	Water	3005A	
Analysis Batch:240-24219					
LCS 240-23739/2-A	Lab Control Sample	T	Water	7470A	240-23739
MB 240-23739/1-A	Method Blank	T	Water	7470A	240-23739
240-5928-1	AMW-19	D	Water	7470A	240-23739
240-5928-1MS	Matrix Spike	D	Water	7470A	240-23739
240-5928-1MSD	Matrix Spike Duplicate	D	Water	7470A	240-23739
240-5928-2	AMW-20	D	Water	7470A	240-23739
240-5928-3FD	DUP-01	D	Water	7470A	240-23739
Analysis Batch:240-24269					
LCS 240-23930/2-A	Lab Control Sample	R	Water	6010B	240-23930
MB 240-23930/1-A	Method Blank	R	Water	6010B	240-23930
240-5928-1	AMW-19	D	Water	6010B	240-23930
240-5928-1MS	Matrix Spike	D	Water	6010B	240-23930
240-5928-1MSD	Matrix Spike Duplicate	D	Water	6010B	240-23930
240-5928-2	AMW-20	D	Water	6010B	240-23930
240-5928-3FD	DUP-01	D	Water	6010B	240-23930

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-5928-1	AMW-19	101	88	100	104
240-5928-2	AMW-20	87	101	99	91
240-5928-3	DUP-01	88	96	98	92
240-5928-4	TRIP BLANK	100	88	102	102
MB 240-23941/5		87	91	98	92
MB 240-24524/5		100	89	102	100
LCS 240-23941/4		87	104	101	98
LCS 240-24524/4		101	101	105	100
240-5928-1 MS	AMW-19 MS	104	100	108	102
240-5792-H-14 MS		88	105	100	100
240-5928-1 MSD	AMW-19 MSD	102	102	106	98
240-5792-E-14 MSD		93	109	99	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5928-1	AMW-19	48	56	54	57	59	37
240-5928-2	AMW-20	57	65	63	69	67	64
240-5928-3	DUP-01	52	58	53	60	58	52
MB 240-23673/21-A		70	72	66	80	75	87
LCS 240-23673/22-A		77	81	78	90	89	86
240-5928-1 MS	AMW-19 MS	66	71	67	74	75	39
240-5928-1 MSD	AMW-19 MSD	65	70	67	73	74	45

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-23941/5	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1222.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1143	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1143				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-23941/5	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1222.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1143	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1143				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	1.0
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	63 - 129
4-Bromofluorobenzene (Surr)	91	66 - 117
Toluene-d8 (Surr)	98	74 - 115
Dibromofluoromethane (Surr)	92	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Control Sample - Batch: 240-23941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23941/4	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1221.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1121	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1121				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.02	90	72 - 116	
1,1,1-Trichloroethane	10.0	10.2	102	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.40	94	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.3	123	74 - 151	
1,1,2-Trichloroethane	10.0	8.90	89	80 - 112	
1,1-Dichloroethane	10.0	9.15	92	82 - 115	
1,1-Dichloroethene	10.0	10.7	107	78 - 131	
1,1-Dichloropropene	10.0	9.45	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.12	91	54 - 126	
1,2,3-Trichloropropane	10.0	9.57	96	73 - 129	
1,2,4-Trichlorobenzene	10.0	8.22	82	48 - 135	
1,2,4-Trimethylbenzene	10.0	8.85	89	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	9.99	100	42 - 136	
1,2-Dichlorobenzene	10.0	9.11	91	81 - 110	
1,2-Dichloroethane	10.0	8.54	85	71 - 127	
1,2-Dichloropropane	10.0	9.23	92	81 - 115	
1,3,5-Trimethylbenzene	10.0	8.73	87	72 - 118	
1,3-Dichlorobenzene	10.0	8.89	89	80 - 110	
1,3-Dichloropropane	10.0	8.84	88	79 - 116	
1,4-Dichlorobenzene	10.0	8.65	87	82 - 110	
2,2-Dichloropropane	10.0	10.0	100	50 - 129	
2-Chlorotoluene	10.0	8.86	89	76 - 116	
2-Hexanone	20.0	18.3	92	55 - 133	
Bromobenzene	10.0	8.87	89	76 - 115	
Bromochloromethane	10.0	8.69	87	77 - 120	
4-Chlorotoluene	10.0	8.73	87	77 - 115	
p-Isopropyltoluene	10.0	9.18	92	74 - 120	
Acetone	20.0	19.2	96	43 - 136	
Benzene	10.0	8.96	90	83 - 112	
Bromoform	10.0	7.21	72	40 - 131	
Bromomethane	10.0	8.84	88	11 - 185	
Carbon disulfide	10.0	9.85	99	62 - 142	
Carbon tetrachloride	10.0	9.57	96	66 - 128	
Chlorobenzene	10.0	8.68	87	85 - 110	
Chloroethane	10.0	9.01	90	25 - 153	
Chloroform	10.0	9.11	91	79 - 117	
Chloromethane	10.0	7.86	79	44 - 126	
cis-1,2-Dichloroethene	10.0	8.94	89	80 - 113	
cis-1,3-Dichloropropene	10.0	7.27	73	61 - 115	
Cyclohexane	10.0	10.8	108	54 - 121	
Hexachlorobutadiene	10.0	9.19	92	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Control Sample - Batch: 240-23941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-23941/4	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1221.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1121	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1121				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.06	91	81 - 120	
Bromodichloromethane	10.0	8.68	87	72 - 121	
Dichlorodifluoromethane	10.0	5.63	56	19 - 129	
Ethyl ether	10.0	11.4	114	53 - 135	
Ethylbenzene	10.0	8.80	88	83 - 112	
1,2-Dibromoethane	10.0	9.09	91	79 - 113	
Naphthalene	10.0	8.94	89	32 - 141	
m-Xylene & p-Xylene	20.0	17.4	87	83 - 113	
n-Butylbenzene	10.0	9.16	92	66 - 125	
Isopropylbenzene	10.0	8.80	88	75 - 114	
Methyl acetate	10.0	9.02	90	58 - 131	J
N-Propylbenzene	10.0	9.32	93	74 - 121	
2-Butanone (MEK)	20.0	18.3	92	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	18.2	91	63 - 128	
sec-Butylbenzene	10.0	8.64	86	70 - 117	
Methyl tert butyl ether	10.0	8.91	89	52 - 144	
Methylene Chloride	10.0	9.92	99	66 - 131	
o-Xylene	10.0	8.81	88	83 - 113	
Styrene	10.0	8.74	87	79 - 114	
tert-Butylbenzene	10.0	8.56	86	71 - 115	
Tetrachloroethene	10.0	9.08	91	79 - 114	
Tetrahydrofuran	10.0	8.89	89	23 - 143	
Toluene	10.0	8.82	88	84 - 111	
trans-1,2-Dichloroethene	10.0	10.1	101	83 - 117	
trans-1,3-Dichloropropene	10.0	7.48	75	58 - 117	
Trichloroethene	10.0	8.86	89	76 - 117	
Trichlorofluoromethane	10.0	9.50	95	49 - 157	
Vinyl chloride	10.0	8.31	83	53 - 127	
Methylcyclohexane	10.0	11.2	112	56 - 127	
Chlorodibromomethane	10.0	7.57	76	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	63 - 129
4-Bromofluorobenzene (Surr)	104	66 - 117
Toluene-d8 (Surr)	101	74 - 115
Dibromofluoromethane (Surr)	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5792-H-14 MS	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1232.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1528			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1528				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5792-E-14 MSD	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1551			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1551				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	87	89	64 - 118	2	30		
1,1,1-Trichloroethane	99	99	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	93	88	63 - 122	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	127	130	70 - 152	2	30		
1,1,2-Trichloroethane	86	86	75 - 115	0	30		
1,1-Dichloroethane	92	91	79 - 116	1	30		
1,1-Dichloroethene	106	106	74 - 135	0	30		
1,1-Dichloropropene	95	94	80 - 114	1	30		
1,2,3-Trichlorobenzene	85	84	45 - 129	1	30		
1,2,3-Trichloropropane	90	86	67 - 132	5	30		
1,2,4-Trichlorobenzene	78	76	38 - 138	3	30		
1,2,4-Trimethylbenzene	86	83	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	101	95	32 - 139	6	30		
1,2-Dichlorobenzene	90	86	75 - 111	4	30		
1,2-Dichloroethane	85	85	68 - 129	0	30		
1,2-Dichloropropane	89	89	78 - 115	0	30		
1,3,5-Trimethylbenzene	84	82	63 - 121	2	30		
1,3-Dichlorobenzene	85	85	73 - 110	0	30		
1,3-Dichloropropane	87	86	74 - 118	2	30		
1,4-Dichlorobenzene	85	82	75 - 110	3	30		
2,2-Dichloropropane	95	95	38 - 127	0	30		
2-Chlorotoluene	84	81	69 - 117	3	30		
2-Hexanone	97	95	47 - 139	2	30		
Bromobenzene	83	80	71 - 116	4	30		
Bromochloromethane	89	87	73 - 121	2	30		
4-Chlorotoluene	83	81	71 - 116	3	30		
p-Isopropyltoluene	92	89	64 - 122	3	30		
Acetone	89	90	33 - 145	1	30		
Benzene	89	87	72 - 121	1	30		
Bromoform	76	76	32 - 128	0	30		
Bromomethane	77	79	10 - 186	3	30		
Carbon disulfide	90	87	57 - 147	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5792-H-14 MS	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1232.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1528			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1528				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5792-E-14 MSD	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1551			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1551				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	94	93	59 - 129	1	30		
Chlorobenzene	85	84	80 - 110	0	30		
Chloroethane	82	79	21 - 165	4	30		
Chloroform	89	90	76 - 118	1	30		
Chloromethane	79	80	33 - 132	1	30		
cis-1,2-Dichloroethene	89	87	70 - 120	3	30		
cis-1,3-Dichloropropene	72	72	51 - 110	1	30		
Cyclohexane	111	110	49 - 123	1	30		
Hexachlorobutadiene	88	82	27 - 132	7	30		
Dibromomethane	89	88	77 - 121	0	30		
Bromodichloromethane	84	84	67 - 120	1	30		
Dichlorodifluoromethane	62	61	17 - 128	2	30		
Ethyl ether	111	108	63 - 136	3	30		
Ethylbenzene	87	88	75 - 116	1	30		
1,2-Dibromoethane	88	88	74 - 113	1	30		
Naphthalene	87	84	15 - 158	3	30		
m-Xylene & p-Xylene	85	84	75 - 117	1	30		
n-Butylbenzene	90	89	56 - 127	1	30		
Isopropylbenzene	87	88	68 - 116	1	30		
Methyl acetate	92	89	47 - 130	3	30	J	J
N-Propylbenzene	89	85	64 - 124	5	30		
2-Butanone (MEK)	95	95	54 - 129	1	30		
4-Methyl-2-pentanone (MIBK)	94	94	56 - 131	1	30		
sec-Butylbenzene	86	83	60 - 119	3	30		
Methyl tert butyl ether	89	90	46 - 144	1	30		
Methylene Chloride	88	87	63 - 128	1	30		
o-Xylene	84	85	76 - 116	1	30		
Styrene	85	84	71 - 117	1	30		
tert-Butylbenzene	86	83	61 - 119	4	30		
Tetrachloroethene	91	89	70 - 117	2	30		
Tetrahydrofuran	95	90	10 - 167	5	30		
Toluene	87	85	78 - 114	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5792-H-14 MS	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1232.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1528			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1528				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5792-E-14 MSD	Analysis Batch:	240-23941	Instrument ID:	A3UX11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXJ1233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 1551			Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 1551				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	100	99	80 - 119	1	30		
trans-1,3-Dichloropropene	75	76	46 - 116	1	30		
Trichloroethene	87	86	66 - 120	1	30		
Trichlorofluoromethane	93	93	46 - 157	0	30		
Vinyl chloride	82	81	49 - 130	1	30		
Methylcyclohexane	118	118	49 - 127	0	30		
Chlorodibromomethane	76	76	56 - 118	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	93	63 - 129
4-Bromofluorobenzene (Surr)	105	109	66 - 117
Toluene-d8 (Surr)	100	99	74 - 115
Dibromofluoromethane (Surr)	100	97	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-24524 **Method: 8260B**
Preparation: 5030B

Lab Sample ID:	MB 240-24524/5	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7735.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1218	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1218				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.556	J	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-24524

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-24524/5	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7735.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1218	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1218				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	1.0
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	0.462	J	0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.857	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	63 - 129
4-Bromofluorobenzene (Surr)	89	66 - 117
Toluene-d8 (Surr)	102	74 - 115
Dibromofluoromethane (Surr)	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Control Sample - Batch: 240-24524

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-24524/4	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7734.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1157	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1157				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.81	98	72 - 116	
1,1,1-Trichloroethane	10.0	8.51	85	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.17	92	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.9	119	74 - 151	
1,1,2-Trichloroethane	10.0	9.63	96	80 - 112	
1,1-Dichloroethane	10.0	10.2	102	82 - 115	
1,1-Dichloroethene	10.0	10.3	103	78 - 131	
1,1-Dichloropropene	10.0	10.3	103	83 - 114	
1,2,3-Trichlorobenzene	10.0	8.87	89	54 - 126	
1,2,3-Trichloropropane	10.0	8.61	86	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.08	91	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.56	96	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	8.35	84	42 - 136	
1,2-Dichlorobenzene	10.0	9.44	94	81 - 110	
1,2-Dichloroethane	10.0	9.69	97	71 - 127	
1,2-Dichloropropane	10.0	9.89	99	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.55	96	72 - 118	
1,3-Dichlorobenzene	10.0	9.28	93	80 - 110	
1,3-Dichloropropane	10.0	10.0	100	79 - 116	
1,4-Dichlorobenzene	10.0	9.22	92	82 - 110	
2,2-Dichloropropane	10.0	7.40	74	50 - 129	
2-Chlorotoluene	10.0	8.95	90	76 - 116	
2-Hexanone	20.0	17.0	85	55 - 133	
Bromobenzene	10.0	8.82	88	76 - 115	
Bromochloromethane	10.0	9.70	97	77 - 120	
4-Chlorotoluene	10.0	8.80	88	77 - 115	
p-Isopropyltoluene	10.0	9.94	99	74 - 120	
Acetone	20.0	15.0	75	43 - 136	
Benzene	10.0	10.1	101	83 - 112	
Bromoform	10.0	7.64	76	40 - 131	
Bromomethane	10.0	7.51	75	11 - 185	
Carbon disulfide	10.0	8.70	87	62 - 142	
Carbon tetrachloride	10.0	8.34	83	66 - 128	
Chlorobenzene	10.0	9.66	97	85 - 110	
Chloroethane	10.0	8.13	81	25 - 153	
Chloroform	10.0	10.4	104	79 - 117	
Chloromethane	10.0	8.91	89	44 - 126	
cis-1,2-Dichloroethene	10.0	9.42	94	80 - 113	
cis-1,3-Dichloropropene	10.0	7.76	78	61 - 115	
Cyclohexane	10.0	10.7	107	54 - 121	
Hexachlorobutadiene	10.0	11.3	113	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Control Sample - Batch: 240-24524

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-24524/4	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7734.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1157	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1157				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.26	93	81 - 120	
Bromodichloromethane	10.0	9.20	92	72 - 121	
Dichlorodifluoromethane	10.0	6.47	65	19 - 129	
Ethyl ether	10.0	10.2	102	53 - 135	
Ethylbenzene	10.0	9.66	97	83 - 112	
1,2-Dibromoethane	10.0	9.24	92	79 - 113	
Naphthalene	10.0	6.66	67	32 - 141	
m-Xylene & p-Xylene	20.0	19.2	96	83 - 113	
n-Butylbenzene	10.0	10.3	103	66 - 125	
Isopropylbenzene	10.0	9.82	98	75 - 114	
Methyl acetate	10.0	10.2	102	58 - 131	
N-Propylbenzene	10.0	9.31	93	74 - 121	
2-Butanone (MEK)	20.0	15.3	77	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	16.4	82	63 - 128	
sec-Butylbenzene	10.0	9.66	97	70 - 117	
Methyl tert butyl ether	10.0	8.80	88	52 - 144	
Methylene Chloride	10.0	10.2	102	66 - 131	
o-Xylene	10.0	9.71	97	83 - 113	
Styrene	10.0	8.62	86	79 - 114	
tert-Butylbenzene	10.0	8.92	89	71 - 115	
Tetrachloroethene	10.0	10.4	104	79 - 114	
Tetrahydrofuran	10.0	8.54	85	23 - 143	
Toluene	10.0	10.2	102	84 - 111	
trans-1,2-Dichloroethene	10.0	9.98	100	83 - 117	
trans-1,3-Dichloropropene	10.0	8.57	86	58 - 117	
Trichloroethene	10.0	9.30	93	76 - 117	
Trichlorofluoromethane	10.0	7.83	78	49 - 157	
Vinyl chloride	10.0	7.82	78	53 - 127	
Methylcyclohexane	10.0	11.1	111	56 - 127	
Chlorodibromomethane	10.0	8.99	90	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	63 - 129
4-Bromofluorobenzene (Surr)	101	66 - 117
Toluene-d8 (Surr)	105	74 - 115
Dibromofluoromethane (Surr)	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24524

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1413			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1413				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7741.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1435			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1435				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	104	106	64 - 118	2	30		
1,1,1-Trichloroethane	88	89	68 - 121	1	30		
1,1,2,2-Tetrachloroethane	94	96	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	115	112	70 - 152	3	30		
1,1,2-Trichloroethane	104	107	75 - 115	3	30		
1,1-Dichloroethane	110	110	79 - 116	0	30		
1,1-Dichloroethene	104	108	74 - 135	4	30		
1,1-Dichloropropene	109	109	80 - 114	0	30		
1,2,3-Trichlorobenzene	85	92	45 - 129	8	30		
1,2,3-Trichloropropane	90	91	67 - 132	1	30		
1,2,4-Trichlorobenzene	87	94	38 - 138	8	30		
1,2,4-Trimethylbenzene	96	101	67 - 124	5	30		
1,2-Dibromo-3-Chloropropane	84	90	32 - 139	7	30		
1,2-Dichlorobenzene	97	100	75 - 111	3	30		
1,2-Dichloroethane	110	108	68 - 129	2	30		
1,2-Dichloropropane	107	106	78 - 115	1	30		
1,3,5-Trimethylbenzene	95	100	63 - 121	4	30		
1,3-Dichlorobenzene	95	99	73 - 110	4	30		
1,3-Dichloropropane	104	107	74 - 118	3	30		
1,4-Dichlorobenzene	93	97	75 - 110	3	30		
2,2-Dichloropropane	76	76	38 - 127	0	30		
2-Chlorotoluene	91	97	69 - 117	6	30		
2-Hexanone	90	95	47 - 139	6	30		
Bromobenzene	92	97	71 - 116	6	30		
Bromochloromethane	104	105	73 - 121	1	30		
4-Chlorotoluene	90	93	71 - 116	4	30		
p-Isopropyltoluene	96	102	64 - 122	6	30		
Acetone	104	101	33 - 145	3	30		
Benzene	108	109	72 - 121	1	30		
Bromoform	82	83	32 - 128	1	30		
Bromomethane	80	80	10 - 186	1	30		
Carbon disulfide	86	86	57 - 147	0	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24524

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1413			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1413				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7741.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1435			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1435				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	85	85	59 - 129	1	30		
Chlorobenzene	100	103	80 - 110	3	30		
Chloroethane	89	84	21 - 165	6	30		
Chloroform	112	112	76 - 118	0	30		
Chloromethane	101	98	33 - 132	3	30		
cis-1,2-Dichloroethene	101	103	70 - 120	2	30		
cis-1,3-Dichloropropene	80	82	51 - 110	2	30		
Cyclohexane	101	101	49 - 123	0	30		
Hexachlorobutadiene	84	94	27 - 132	12	30		
Dibromomethane	100	101	77 - 121	1	30		
Bromodichloromethane	98	99	67 - 120	2	30		
Dichlorodifluoromethane	63	64	17 - 128	1	30		
Ethyl ether	111	112	63 - 136	1	30		
Ethylbenzene	101	104	75 - 116	3	30		
1,2-Dibromoethane	96	98	74 - 113	2	30		
Naphthalene	63	75	15 - 158	18	30		
m-Xylene & p-Xylene	100	103	75 - 117	3	30		
n-Butylbenzene	95	102	56 - 127	7	30		
Isopropylbenzene	100	103	68 - 116	3	30		
Methyl acetate	101	100	47 - 130	1	30		J
N-Propylbenzene	93	96	64 - 124	3	30		
2-Butanone (MEK)	86	86	54 - 129	1	30		
4-Methyl-2-pentanone (MIBK)	89	93	56 - 131	4	30		
sec-Butylbenzene	90	95	60 - 119	5	30		
Methyl tert butyl ether	92	96	46 - 144	4	30		
Methylene Chloride	101	100	63 - 128	1	30		
o-Xylene	101	103	76 - 116	2	30		
Styrene	90	91	71 - 117	2	30		
tert-Butylbenzene	86	91	61 - 119	5	30		
Tetrachloroethene	109	111	70 - 117	2	30		
Tetrahydrofuran	92	92	10 - 167	0	30		
Toluene	110	112	78 - 114	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24524

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1413			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1413				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24524	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX7741.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/23/2011 1435			Final Weight/Volume:	5 mL
Prep Date:	11/23/2011 1435				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	107	104	80 - 119	3	30		
trans-1,3-Dichloropropene	91	92	46 - 116	1	30		
Trichloroethene	98	99	66 - 120	1	30		
Trichlorofluoromethane	63	63	46 - 157	1	30		
Vinyl chloride	80	81	49 - 130	1	30		
Methylcyclohexane	99	100	49 - 127	0	30		
Chlorodibromomethane	97	99	56 - 118	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	102	63 - 129
4-Bromofluorobenzene (Surr)	100	102	66 - 117
Toluene-d8 (Surr)	108	106	74 - 115
Dibromofluoromethane (Surr)	102	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23673

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-23673/21-A	Analysis Batch:	240-24295	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1122004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2011 1006	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	70	28 - 110
2-Fluorophenol (Surr)	72	10 - 110
2,4,6-Tribromophenol (Surr)	66	22 - 120
Nitrobenzene-d5 (Surr)	80	27 - 111
Phenol-d5 (Surr)	75	10 - 110
Terphenyl-d14 (Surr)	87	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Control Sample - Batch: 240-23673

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-23673/22-A	Analysis Batch:	240-24295	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1122005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2011 1022	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	16.3	82	40 - 110	
Acenaphthylene	20.0	16.3	82	43 - 110	
Anthracene	20.0	16.5	82	54 - 114	
Benzo[a]anthracene	20.0	15.9	80	55 - 115	
Benzo[b]fluoranthene	20.0	15.6	78	43 - 122	
Benzo[k]fluoranthene	20.0	16.4	82	43 - 124	
Benzo[g,h,i]perylene	20.0	16.6	83	45 - 120	
Benzo[a]pyrene	20.0	13.9	70	43 - 116	
Chrysene	20.0	16.5	83	55 - 115	
2-Methylnaphthalene	20.0	16.5	82	35 - 110	
Dibenz(a,h)anthracene	20.0	16.0	80	46 - 122	
Fluoranthene	20.0	17.7	88	54 - 122	
Fluorene	20.0	16.8	84	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	15.6	78	46 - 121	
Naphthalene	20.0	16.9	85	31 - 110	
Phenanthrene	20.0	16.7	83	52 - 114	
Pyrene	20.0	15.9	80	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	77	28 - 110
2-Fluorophenol (Surr)	81	10 - 110
2,4,6-Tribromophenol (Surr)	78	22 - 120
Nitrobenzene-d5 (Surr)	90	27 - 111
Phenol-d5 (Surr)	89	10 - 110
Terphenyl-d14 (Surr)	86	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23673

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	480 mL
Analysis Date:	11/21/2011 1807			Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24168	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-23673	Lab File ID:	1121027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	480 mL
Analysis Date:	11/21/2011 1824			Final Weight/Volume:	2.00 mL
Prep Date:	11/17/2011 0817			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	67	67	36 - 110	0	30		
Acenaphthylene	68	68	39 - 110	1	30		
Anthracene	62	65	46 - 110	5	30		
Benzo[a]anthracene	36	42	52 - 110	17	30	F	F
Benzo[b]fluoranthene	23	31	33 - 114	27	30	J F	J F
Benzo[k]fluoranthene	27	34	32 - 121	24	30	J F	J
Benzo[g,h,i]perylene	18	25	34 - 116	30	30	J F	J F
Benzo[a]pyrene	23	29	33 - 110	25	30	J F	J F
Chrysene	42	49	52 - 111	17	30	J F	J F
2-Methylnaphthalene	68	69	35 - 110	1	30		
Dibenz(a,h)anthracene	16	22	35 - 118	31	30	J F	J F
Fluoranthene	54	61	53 - 111	12	30		
Fluorene	68	69	43 - 110	1	30		
Indeno[1,2,3-cd]pyrene	17	22	36 - 116	30	30	J F	J F
Naphthalene	69	70	32 - 110	1	30		
Phenanthrene	64	66	47 - 110	3	30		
Pyrene	51	57	54 - 115	10	30	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	66	65	28 - 110
2-Fluorophenol (Surr)	71	70	10 - 110
2,4,6-Tribromophenol (Surr)	67	67	22 - 120
Nitrobenzene-d5 (Surr)	74	73	27 - 111
Phenol-d5 (Surr)	75	74	10 - 110
Terphenyl-d14 (Surr)	39	45	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23696 **Method: WI-GRO**
Preparation: 5030B

Lab Sample ID:	MB 240-23696/8	Analysis Batch:	240-23696	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF111708.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1239	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1239			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-23696 **Method: WI-GRO**
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-23696/9	Analysis Batch:	240-23696	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF111709.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1310	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1310			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-23696/23	Analysis Batch:	240-23696	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF111723.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 2025	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 2025			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	99	99	80 - 120	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23696

Method: WI-GRO
Preparation: 5030B

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-23696	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF111719.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1822			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1822			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-23696	Instrument ID:	AFID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	AF111720.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1853			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1853			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	101	104	80 - 120	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23759

Method: WI-DRO
Preparation: 3510C

Lab Sample ID:	MB 240-23759/1-A	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-23759	Lab File ID:	P14F0000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/18/2011 1503	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0498	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-23759

Method: WI-DRO
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-23759/2-A	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-23759	Lab File ID:	P14F0000015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/18/2011 1527	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-23759/3-A	Analysis Batch:	240-24134	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-23759	Lab File ID:	P14F0000005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/21/2011 1007	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	98	111	75 - 115	12	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23759

Method: WI-DRO
Preparation: 3510C

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-23759	Lab File ID:	P14F0000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	490 mL
Analysis Date:	11/18/2011 1615			Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-23922	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-23759	Lab File ID:	P14F0000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	490 mL
Analysis Date:	11/18/2011 1639			Final Weight/Volume:	1.00 mL
Prep Date:	11/17/2011 1151			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	93	97	60 - 130	4	25		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23930

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-23930/1-A	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2254	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	1.11	J	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	4.13	J	3.2	10
Beryllium	0.861	J	0.46	5.0
Lead	ND		1.9	3.0
Calcium	131	J	130	5000
Selenium	ND		4.1	5.0
Cobalt	ND		1.7	7.0
Copper	ND		4.5	25
Iron	ND		81	100
Magnesium	204	J	34	5000
Manganese	0.496	J	0.41	15
Sodium	ND		590	5000
Nickel	ND		3.2	40
Antimony	ND		1.8	10
Vanadium	ND		0.64	7.0
Zinc	11.0	J	5.0	50

Method Blank - Batch: 240-23930

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-23930/1-A	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0517	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Potassium	215	J	72	5000
Thallium	ND		4.7	10

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Lab Control Sample - Batch: 240-23930

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-23930/2-A	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2300	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2100	105	80 - 120	
Aluminum	2000	1990	100	80 - 120	
Cadmium	50.0	45.9	92	80 - 120	
Chromium	200	194	97	80 - 120	
Silver	50.0	54.2	108	80 - 120	
Arsenic	2000	1890	95	80 - 120	
Beryllium	50.0	51.0	102	80 - 120	
Lead	500	477	95	80 - 120	
Calcium	50000	45400	91	80 - 120	
Selenium	2000	1840	92	80 - 120	
Cobalt	500	459	92	80 - 120	
Copper	250	227	91	80 - 120	
Iron	1000	1010	101	80 - 120	
Magnesium	50000	43100	86	80 - 120	
Manganese	500	479	96	80 - 120	
Sodium	50000	47400	95	80 - 120	
Nickel	500	509	102	80 - 120	
Antimony	500	479	96	80 - 120	
Vanadium	500	446	89	80 - 120	
Zinc	500	467	93	80 - 120	

Lab Control Sample - Batch: 240-23930

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-23930/2-A	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0523	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Potassium	50000	48100	96	80 - 120	
Thallium	2000	1940	97	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23930

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2331			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/21/2011 2337			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	115	115	75 - 125	0	20		
Aluminum	108	109	75 - 125	0	20		
Cadmium	98	99	75 - 125	1	20		
Chromium	105	104	75 - 125	1	20		
Silver	116	116	75 - 125	0	20		
Arsenic	104	105	75 - 125	1	20		
Beryllium	108	109	75 - 125	0	20		
Lead	101	102	75 - 125	1	20		
Calcium	104	103	75 - 125	0	20		
Selenium	99	100	75 - 125	1	20		
Cobalt	98	99	75 - 125	1	20		
Copper	98	98	75 - 125	1	20		
Iron	109	120	75 - 125	8	20		
Magnesium	97	98	75 - 125	1	20		
Manganese	100	97	75 - 125	0	20	4	4
Sodium	108	107	75 - 125	0	20		
Nickel	108	108	75 - 125	0	20		
Antimony	105	106	75 - 125	1	20		
Vanadium	97	97	75 - 125	1	20		
Zinc	100	100	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23930

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0541			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24269	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-23930	Lab File ID:	I61121A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/22/2011 0547			Final Weight/Volume:	50 mL
Prep Date:	11/18/2011 0937				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Potassium	107	106	75 - 125	1	20		
Thallium	106	105	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5928-1

Method Blank - Batch: 240-23739

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-23739/1-A	Analysis Batch:	240-24219	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1304	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-23739

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-23739/2-A	Analysis Batch:	240-24219	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1306	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.25	85	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-23739

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-5928-1	Analysis Batch:	240-24219	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1308			Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				
Leach Date:	N/A				

MSD Lab Sample ID:	240-5928-1	Analysis Batch:	240-24219	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-23739	Lab File ID:	HG11121A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/21/2011 1310			Final Weight/Volume:	100 mL
Prep Date:	11/17/2011 1340				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	91	69 - 134	0	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-5928-1

Login Number: 5928

List Source: TestAmerica North Canton

List Number: 1

Creator: Livengood, Chris

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6, 2.3, 2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

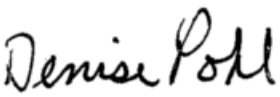
ANALYTICAL REPORT

Job Number: 240-5936-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis



Approved for release.
Denise Pohl
Project Manager II
12/8/2011 2:06 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
12/08/2011

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-5936-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/15/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.8 C.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples IDW-DRUMS(20111111) (240-5936-1) and IDW-ROLLOFF(20111111) (240-5936-2) were analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8260B. The samples were leached on 11/21/2011 and analyzed on 11/28/2011.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples IDW-DRUMS(20111111) (240-5936-1) and IDW-ROLLOFF(20111111) (240-5936-2) were analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8270C. The samples were leached on 11/21/2011, prepared on 11/22/2011 and analyzed on 11/23/2011.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the SVOCs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples IDW-DRUMS(20111111) (240-5936-1) and IDW-ROLLOFF(20111111) (240-5936-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 11/21/2011 and analyzed on 11/23/2011.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-5980-6 MS), (240-5980-6 MSD), IDW-DRUMS(20111111) (240-5936-1), IDW-ROLLOFF(20111111) (240-5936-2), S-17303-111511-CB-006 (240-5980-6).

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

TCLP METALS (ICP)

Samples IDW-DRUMS(20111111) (240-5936-1) and IDW-ROLLOFF(20111111) (240-5936-2) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 11/21/2011, prepared on 11/22/2011 and analyzed on 11/28/2011.

Barium was detected in method blank LB 240-24247/1-D at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples IDW-DRUMS(20111111) (240-5936-1) and IDW-ROLLOFF(20111111) (240-5936-2) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 11/21/2011, prepared on 11/22/2011 and analyzed on 11/28/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples IDW-DRUMS(20111111) (240-5936-1) and IDW-ROLLOFF(20111111) (240-5936-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/17/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-5936-1	**IDW-DRUMS(20111111)**					
Percent Solids		95		0.10	%	Moisture
Percent Moisture		4.8		0.10	%	Moisture
TCLP						
Barium		0.31	J B	10	mg/L	6010B
Selenium		0.0044	J	0.25	mg/L	6010B
240-5936-2	**IDW-ROLLOFF(20111111)**					
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
TCLP						
Barium		0.83	J B	10	mg/L	6010B
Cadmium		0.0011	J	0.10	mg/L	6010B
Lead		0.070	J	0.50	mg/L	6010B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
TCLP Extraction			SW846 1311
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
TCLP Extraction			SW846 1311
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction			SW846 3540C
Metals (ICP)	TAL NC	SW846 6010B	
TCLP Extraction			SW846 1311
Preparation, Total Metals			SW846 3010A
Mercury (CVAA)	TAL NC	SW846 7470A	
TCLP Extraction			SW846 1311
Preparation, Mercury			SW846 7470A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica North Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Method	Analyst	Analyst ID
SW846 8260B	Lavey, Tim	TL
SW846 8270C	Ulman, Mark	MU
SW846 8082	Hass, Lori	LH
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-5936-1	IDW-DRUMS(20111111)	Solid	11/11/2011 1430	11/15/2011 0900
240-5936-2	IDW-ROLLOFF(20111111)	Solid	11/11/2011 1500	11/15/2011 0900

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-DRUMS(20111111)**

Lab Sample ID: 240-5936-1 Date Sampled: 11/11/2011 1430
Client Matrix: Solid Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8260B	Analysis Batch:	240-24795	Instrument ID:	A3UX12
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UX121130.D
Dilution:	1.0	Leach Batch:	240-24240	Initial Weight/Volume:	0.1 mL
Analysis Date:	11/28/2011 1845			Final Weight/Volume:	5 mL
Prep Date:	11/28/2011 1845				
Leach Date:	11/21/2011 1525				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
1,1-Dichloroethene		ND		0.19	50
1,2-Dichloroethane		ND		0.22	50
2-Butanone (MEK)		ND		0.57	500
Benzene		ND		0.13	50
Carbon tetrachloride		ND		0.13	50
Chlorobenzene		ND		0.15	50
Chloroform		ND		0.16	50
Tetrachloroethene		ND		0.29	50
Trichloroethene		ND		0.17	50
Vinyl chloride		ND		0.22	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 121
4-Bromofluorobenzene (Surr)	95		70 - 124
Toluene-d8 (Surr)	110		90 - 115
Dibromofluoromethane (Surr)	103		84 - 128

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-ROLLOFF(20111111)**

Lab Sample ID: 240-5936-2 Date Sampled: 11/11/2011 1500
Client Matrix: Solid Date Received: 11/15/2011 0900

8260B Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8260B	Analysis Batch:	240-24795	Instrument ID:	A3UX12
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UX121131.D
Dilution:	1.0	Leach Batch:	240-24240	Initial Weight/Volume:	0.1 mL
Analysis Date:	11/28/2011 1909			Final Weight/Volume:	5 mL
Prep Date:	11/28/2011 1909				
Leach Date:	11/21/2011 1525				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
1,1-Dichloroethene		ND		0.19	50
1,2-Dichloroethane		ND		0.22	50
2-Butanone (MEK)		ND		0.57	500
Benzene		ND		0.13	50
Carbon tetrachloride		ND		0.13	50
Chlorobenzene		ND		0.15	50
Chloroform		ND		0.16	50
Tetrachloroethene		ND		0.29	50
Trichloroethene		ND		0.17	50
Vinyl chloride		ND		0.22	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		80 - 121
4-Bromofluorobenzene (Surr)	95		70 - 124
Toluene-d8 (Surr)	111		90 - 115
Dibromofluoromethane (Surr)	106		84 - 128

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-DRUMS(20111111)**

Lab Sample ID: 240-5936-1 Date Sampled: 11/11/2011 1430
Client Matrix: Solid Date Received: 11/15/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270C	Analysis Batch:	240-24485	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-24281	Lab File ID:	11123028.D
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	250 mL
Analysis Date:	11/23/2011 1729			Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0743			Injection Volume:	1 uL
Leach Date:	11/21/2011 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		ND		0.00034	0.0040
2,4,5-Trichlorophenol		ND		0.00030	0.020
2,4,6-Trichlorophenol		ND		0.00080	0.020
2,4-Dinitrotoluene		ND		0.00027	0.020
Hexachlorobenzene		ND		0.00010	0.020
Hexachlorobutadiene		ND		0.00027	0.020
Hexachloroethane		ND		0.00080	0.020
3 & 4 Methylphenol		ND		0.00075	0.040
2-Methylphenol		ND		0.00080	0.0040
Nitrobenzene		ND		0.000040	0.0040
Pentachlorophenol		ND		0.0024	0.040
Pyridine		ND		0.00035	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	81		22 - 110
2-Fluorophenol (Surr)	86		10 - 110
2,4,6-Tribromophenol (Surr)	85		17 - 117
Nitrobenzene-d5 (Surr)	76		29 - 111
Phenol-d5 (Surr)	83		10 - 110
Terphenyl-d14 (Surr)	107		40 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-ROLLOFF(20111111)**

Lab Sample ID: 240-5936-2 Date Sampled: 11/11/2011 1500
Client Matrix: Solid Date Received: 11/15/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270C	Analysis Batch:	240-24485	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-24281	Lab File ID:	11123030.D
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	250 mL
Analysis Date:	11/23/2011 1807			Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0743			Injection Volume:	1 uL
Leach Date:	11/21/2011 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		ND		0.00034	0.0040
2,4,5-Trichlorophenol		ND		0.00030	0.020
2,4,6-Trichlorophenol		ND		0.00080	0.020
2,4-Dinitrotoluene		ND		0.00027	0.020
Hexachlorobenzene		ND		0.00010	0.020
Hexachlorobutadiene		ND		0.00027	0.020
Hexachloroethane		ND		0.00080	0.020
3 & 4 Methylphenol		ND		0.00075	0.040
2-Methylphenol		ND		0.00080	0.0040
Nitrobenzene		ND		0.000040	0.0040
Pentachlorophenol		ND		0.0024	0.040
Pyridine		ND		0.00035	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	78		22 - 110
2-Fluorophenol (Surr)	75		10 - 110
2,4,6-Tribromophenol (Surr)	71		17 - 117
Nitrobenzene-d5 (Surr)	73		29 - 111
Phenol-d5 (Surr)	66		10 - 110
Terphenyl-d14 (Surr)	87		40 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-DRUMS(20111111)**

Lab Sample ID: 240-5936-1 Date Sampled: 11/11/2011 1430
Client Matrix: Solid % Moisture: 4.8 Date Received: 11/15/2011 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-24480	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-24195	Initial Weight/Volume:	30.03 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	11/23/2011 1059			Injection Volume:	1 mL
Prep Date:	11/21/2011 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		22	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		29 - 151
DCB Decachlorobiphenyl	74		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-ROLLOFF(20111111)**

Lab Sample ID: 240-5936-2 Date Sampled: 11/11/2011 1500
Client Matrix: Solid % Moisture: 19.7 Date Received: 11/15/2011 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-24480	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-24195	Initial Weight/Volume:	29.82 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	11/23/2011 1115			Injection Volume:	1 mL
Prep Date:	11/21/2011 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		18	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-DRUMS(20111111)**

Lab Sample ID: 240-5936-1 Date Sampled: 11/11/2011 1430
Client Matrix: Solid Date Received: 11/15/2011 0900

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-24817	Instrument ID:	I6
Prep Method:	3010A	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1655			Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	11/21/2011 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0032	0.50
Barium		0.31	J B	0.00067	10
Cadmium		ND		0.00066	0.10
Chromium		ND		0.0022	0.50
Lead		ND		0.0019	0.50
Selenium		0.0044	J	0.0041	0.25
Silver		ND		0.0022	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	240-24777	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1506			Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	11/21/2011 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00012	0.0020

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Client Sample ID: **IDW-ROLLOFF(20111111)**

Lab Sample ID: 240-5936-2 Date Sampled: 11/11/2011 1500
Client Matrix: Solid Date Received: 11/15/2011 0900

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	240-24817	Instrument ID:	I6
Prep Method:	3010A	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1701			Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	11/21/2011 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0032	0.50
Barium		0.83	J B	0.00067	10
Cadmium		0.0011	J	0.00066	0.10
Chromium		ND		0.0022	0.50
Lead		0.070	J	0.0019	0.50
Selenium		ND		0.0041	0.25
Silver		ND		0.0022	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	240-24777	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1507			Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	11/21/2011 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		ND		0.00012	0.0020

General Chemistry

Client Sample ID: **IDW-DRUMS(20111111)**

Lab Sample ID: 240-5936-1 Date Sampled: 11/11/2011 1430

Client Matrix: Solid Date Received: 11/15/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-23745	Analysis Date: 11/17/2011 1054						DryWt Corrected: N
Percent Moisture	4.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-23745	Analysis Date: 11/17/2011 1054						DryWt Corrected: N

General Chemistry

Client Sample ID: **IDW-ROLLOFF(20111111)**

Lab Sample ID: 240-5936-2 Date Sampled: 11/11/2011 1500

Client Matrix: Solid Date Received: 11/15/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-23745	Analysis Date: 11/17/2011 1054						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-23745	Analysis Date: 11/17/2011 1054						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-24240					
LB 240-24240/1-A	Method Blank	P	Solid	1311	
240-5936-1	IDW-DRUMS(20111111)	P	Solid	1311	
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	1311	
240-5980-D-12-A MS	Matrix Spike	P	Solid	1311	
240-5980-D-12-A MSD	Matrix Spike Duplicate	P	Solid	1311	
Analysis Batch:240-24795					
LB 240-24240/1-A	Method Blank	P	Solid	8260B	
LCS 240-24795/6	Lab Control Sample	T	Water	8260B	
240-5936-1	IDW-DRUMS(20111111)	P	Solid	8260B	
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	8260B	
240-5980-D-12-A MS	Matrix Spike	P	Solid	8260B	
240-5980-D-12-A MSD	Matrix Spike Duplicate	P	Solid	8260B	

Report Basis
P = TCLP
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-24247					
240-5936-1	IDW-DRUMS(20111111)	P	Solid	1311	
240-5936-1MS	Matrix Spike	P	Solid	1311	
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	1311	
Prep Batch: 240-24281					
LCS 240-24281/17-A	Lab Control Sample	T	Water	3520C	
MB 240-24281/16-A	Method Blank	T	Water	3520C	
240-5936-1	IDW-DRUMS(20111111)	P	Solid	3520C	240-24247
240-5936-1MS	Matrix Spike	P	Solid	3520C	240-24247
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	3520C	240-24247
Analysis Batch:240-24485					
LCS 240-24281/17-A	Lab Control Sample	T	Water	8270C	240-24281
MB 240-24281/16-A	Method Blank	T	Water	8270C	240-24281
240-5936-1	IDW-DRUMS(20111111)	P	Solid	8270C	240-24281
240-5936-1MS	Matrix Spike	P	Solid	8270C	240-24281
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	8270C	240-24281

Report Basis
P = TCLP
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-24195					
LCS 240-24195/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-24195/23-A	Method Blank	T	Solid	3540C	
240-5936-1	IDW-DRUMS(20111111)	T	Solid	3540C	
240-5936-2	IDW-ROLLOFF(20111111)	T	Solid	3540C	
240-5980-D-6-B MS	Matrix Spike	T	Solid	3540C	
240-5980-D-6-C MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-24480					
LCS 240-24195/24-A	Lab Control Sample	T	Solid	8082	240-24195
MB 240-24195/23-A	Method Blank	T	Solid	8082	240-24195
240-5936-1	IDW-DRUMS(20111111)	T	Solid	8082	240-24195
240-5936-2	IDW-ROLLOFF(20111111)	T	Solid	8082	240-24195
240-5980-D-6-B MS	Matrix Spike	T	Solid	8082	240-24195
240-5980-D-6-C MSD	Matrix Spike Duplicate	T	Solid	8082	240-24195

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-24247					
LB 240-24247/1-D	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 240-24247/1-E	TCLP SPLPE Leachate Blank	P	Solid	1311	
240-5936-1	IDW-DRUMS(20111111)	P	Solid	1311	
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	1311	
240-5968-A-1-C MS ^5	Matrix Spike	P	Solid	1311	
240-5968-A-1-F MS	Matrix Spike	P	Solid	1311	
240-5968-A-1-D MSD ^5	Matrix Spike Duplicate	P	Solid	1311	
240-5968-A-1-G MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 240-24301					
LCS 240-24301/3-A	Lab Control Sample	T	Water	3010A	
MB 240-24301/2-A	Method Blank	T	Water	3010A	
LB 240-24247/1-D	TCLP SPLPE Leachate Blank	P	Solid	3010A	240-24247
240-5936-1	IDW-DRUMS(20111111)	P	Solid	3010A	240-24247
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	3010A	240-24247
240-5968-A-1-C MS ^5	Matrix Spike	P	Solid	3010A	240-24247
240-5968-A-1-D MSD ^5	Matrix Spike Duplicate	P	Solid	3010A	240-24247
Prep Batch: 240-24323					
LCS 240-24323/3-A	Lab Control Sample	T	Water	7470A	
MB 240-24323/2-A	Method Blank	T	Water	7470A	
LB 240-24247/1-E	TCLP SPLPE Leachate Blank	P	Solid	7470A	240-24247
240-5936-1	IDW-DRUMS(20111111)	P	Solid	7470A	240-24247
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	7470A	240-24247
240-5968-A-1-F MS	Matrix Spike	P	Solid	7470A	240-24247
240-5968-A-1-G MSD	Matrix Spike Duplicate	P	Solid	7470A	240-24247
Analysis Batch:240-24777					
LB 240-24247/1-E	TCLP SPLPE Leachate Blank	P	Solid	7470A	240-24323
LCS 240-24323/3-A	Lab Control Sample	T	Water	7470A	240-24323
MB 240-24323/2-A	Method Blank	T	Water	7470A	240-24323
240-5936-1	IDW-DRUMS(20111111)	P	Solid	7470A	240-24323
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	7470A	240-24323
240-5968-A-1-F MS	Matrix Spike	P	Solid	7470A	240-24323
240-5968-A-1-G MSD	Matrix Spike Duplicate	P	Solid	7470A	240-24323
Analysis Batch:240-24817					
LB 240-24247/1-D	TCLP SPLPE Leachate Blank	P	Solid	6010B	240-24301
LCS 240-24301/3-A	Lab Control Sample	T	Water	6010B	240-24301
MB 240-24301/2-A	Method Blank	T	Water	6010B	240-24301
240-5936-1	IDW-DRUMS(20111111)	P	Solid	6010B	240-24301
240-5936-2	IDW-ROLLOFF(20111111)	P	Solid	6010B	240-24301
240-5968-A-1-C MS ^5	Matrix Spike	P	Solid	6010B	240-24301
240-5968-A-1-D MSD ^5	Matrix Spike Duplicate	P	Solid	6010B	240-24301

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
P = TCLP					
T = Total					
General Chemistry					
Analysis Batch:240-23745					
240-5936-1	IDW-DRUMS(20111111)	T	Solid	Moisture	
240-5936-2	IDW-ROLLOFF(20111111)	T	Solid	Moisture	
240-5980-A-19 DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-5936-1	IDW-DRUMS(20111111)	106	95	110	103
240-5936-2	IDW-ROLLOFF(20111111)	110	95	111	106
LB 240-24240/1-A MB		106	94	112	99
LCS 240-24795/6		106	90	100	97
240-5980-D-12-A MS		113	98	110	106
240-5980-D-12-A MSD		114	99	112	106

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	80-121
BFB = 4-Bromofluorobenzene (Surr)	70-124
TOL = Toluene-d8 (Surr)	90-115
DBFM = Dibromofluoromethane (Surr)	84-128

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-5936-1	IDW-DRUMS(20111111)	81	86	85	76	83	107
240-5936-2	IDW-ROLLOFF(20111111)	78	75	71	73	66	87
MB 240-24281/16-A		78	81	75	83	67	101
LCS 240-24281/17-A		76	79	85	78	71	95
240-5936-1 MS	IDW-DRUMS(20111111) MS	77	73	66	73	62	100

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	22-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	17-117
NBZ = Nitrobenzene-d5 (Surr)	29-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	40-119

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-5936-1	IDW-DRUMS(20111111)	73	74
240-5936-2	IDW-ROLLOFF(20111111)	66	75
MB 240-24195/23-A		82	79
LCS 240-24195/24-A		84	89
240-5980-D-6-B MS		74	85
240-5980-D-6-C MSD		71	73

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Method Blank - Batch: 240-24795

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID:	LB 240-24240/1-A	Analysis Batch:	240-24795	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX121128.D
Dilution:	1.0	Leach Batch:	240-24240	Initial Weight/Volume:	0.1 mL
Analysis Date:	11/28/2011 1756	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2011 1756				
Leach Date:	11/21/2011 1525				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	ND		0.19	50
1,2-Dichloroethane	ND		0.22	50
2-Butanone (MEK)	ND		0.57	500
Benzene	ND		0.13	50
Carbon tetrachloride	ND		0.13	50
Chlorobenzene	ND		0.15	50
Chloroform	ND		0.16	50
Tetrachloroethene	ND		0.29	50
Trichloroethene	ND		0.17	50
Vinyl chloride	ND		0.22	50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	80 - 121
4-Bromofluorobenzene (Surr)	94	70 - 124
Toluene-d8 (Surr)	112	90 - 115
Dibromofluoromethane (Surr)	99	84 - 128

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Lab Control Sample - Batch: 240-24795

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-24795/6	Analysis Batch:	240-24795	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX121127.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1 mL
Analysis Date:	11/28/2011 1734	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2011 1734				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	1000	1060	106	78 - 131	
1,2-Dichloroethane	1000	980	98	71 - 127	
2-Butanone (MEK)	2000	1720	86	60 - 126	
Benzene	1000	930	93	83 - 112	
Carbon tetrachloride	1000	795	80	66 - 128	
Chlorobenzene	1000	945	95	85 - 110	
Chloroform	1000	995	100	79 - 117	
Tetrachloroethene	1000	850	85	79 - 114	
Trichloroethene	1000	890	89	76 - 117	
Vinyl chloride	1000	965	97	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	80 - 121
4-Bromofluorobenzene (Surr)	90	70 - 124
Toluene-d8 (Surr)	100	90 - 115
Dibromofluoromethane (Surr)	97	84 - 128

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24795

Method: 8260B
Preparation: 5030B
TCLP

MS Lab Sample ID:	240-5980-D-12-A MS	Analysis Batch:	240-24795	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX121144.D
Dilution:	1.0	Leach Batch:	240-24240	Initial Weight/Volume:	0.1 mL
Analysis Date:	11/29/2011 0023			Final Weight/Volume:	5 mL
Prep Date:	11/29/2011 0023				
Leach Date:	11/21/2011 1525				

MSD Lab Sample ID:	240-5980-D-12-A MSD	Analysis Batch:	240-24795	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX121145.D
Dilution:	1.0	Leach Batch:	240-24240	Initial Weight/Volume:	0.1 mL
Analysis Date:	11/29/2011 0047			Final Weight/Volume:	5 mL
Prep Date:	11/29/2011 0047				
Leach Date:	11/21/2011 1525				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	111	112	67 - 139	1	30		
1,2-Dichloroethane	102	99	80 - 115	2	30		
2-Butanone (MEK)	87	83	49 - 117	4	30		
Benzene	94	93	85 - 119	1	30		
Carbon tetrachloride	74	78	60 - 110	5	30		
Chlorobenzene	93	94	85 - 113	1	30		
Chloroform	101	102	86 - 124	1	30		
Tetrachloroethene	84	84	74 - 138	0	30		
Trichloroethene	93	92	75 - 134	1	30		
Vinyl chloride	102	101	51 - 118	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	114	80 - 121
4-Bromofluorobenzene (Surr)	98	99	70 - 124
Toluene-d8 (Surr)	110	112	90 - 115
Dibromofluoromethane (Surr)	106	106	84 - 128

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Method Blank - Batch: 240-24281

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-24281/16-A	Analysis Batch:	240-24485	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-24281	Lab File ID:	11123006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/23/2011 1034	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0743			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	ND		0.00034	0.0040
2,4,5-Trichlorophenol	ND		0.00030	0.020
2,4,6-Trichlorophenol	ND		0.00080	0.020
2,4-Dinitrotoluene	ND		0.00027	0.020
Hexachlorobenzene	ND		0.00010	0.020
Hexachlorobutadiene	ND		0.00027	0.020
Hexachloroethane	ND		0.00080	0.020
3 & 4 Methylphenol	ND		0.00075	0.040
2-Methylphenol	ND		0.00080	0.0040
Nitrobenzene	ND		0.000040	0.0040
Pentachlorophenol	ND		0.0024	0.040
Pyridine	ND		0.00035	0.020

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	78	22 - 110
2-Fluorophenol (Surr)	81	10 - 110
2,4,6-Tribromophenol (Surr)	75	17 - 117
Nitrobenzene-d5 (Surr)	83	29 - 111
Phenol-d5 (Surr)	67	10 - 110
Terphenyl-d14 (Surr)	101	40 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Lab Control Sample - Batch: 240-24281

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-24281/17-A	Analysis Batch:	240-24485	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-24281	Lab File ID:	11123007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/23/2011 1053	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0743			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,5-Trichlorophenol	0.0800	0.0650	81	35 - 111	
2,4,6-Trichlorophenol	0.0800	0.0630	79	32 - 110	
Hexachlorobenzene	0.0800	0.0658	82	47 - 116	
Hexachlorobutadiene	0.0800	0.0585	73	10 - 110	
Hexachloroethane	0.0800	0.0528	66	10 - 110	
3 & 4 Methylphenol	0.160	0.131	82	27 - 110	
2-Methylphenol	0.0800	0.0664	83	24 - 110	
Nitrobenzene	0.0800	0.0611	76	35 - 117	
Pyridine	0.0800	0.0576	72	10 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	76	22 - 110
2-Fluorophenol (Surr)	79	10 - 110
2,4,6-Tribromophenol (Surr)	85	17 - 117
Nitrobenzene-d5 (Surr)	78	29 - 111
Phenol-d5 (Surr)	71	10 - 110
Terphenyl-d14 (Surr)	95	40 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Matrix Spike - Batch: 240-24281

Method: 8270C
Preparation: 3520C
TCLP

Lab Sample ID:	240-5936-1	Analysis Batch:	240-24485	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-24281	Lab File ID:	11123029.D
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	250 mL
Analysis Date:	11/23/2011 1748	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	11/22/2011 0743			Injection Volume:	1 uL
Leach Date:	11/21/2011 1610				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
2,4,5-Trichlorophenol	ND	0.0800	0.0671	84	24 - 143	
2,4,6-Trichlorophenol	ND	0.0800	0.0562	70	36 - 135	
Hexachlorobenzene	ND	0.0800	0.0702	88	36 - 132	
Hexachlorobutadiene	ND	0.0800	0.0570	71	18 - 116	
Hexachloroethane	ND	0.0800	0.0505	63	18 - 110	
3 & 4 Methylphenol	ND	0.160	0.118	74	46 - 109	
2-Methylphenol	ND	0.0800	0.0549	69	33 - 115	
Nitrobenzene	ND	0.0800	0.0572	72	19 - 200	
Pyridine	ND	0.0800	0.0462	58	10 - 148	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	77	22 - 110
2-Fluorophenol (Surr)	73	10 - 110
2,4,6-Tribromophenol (Surr)	66	17 - 117
Nitrobenzene-d5 (Surr)	73	29 - 111
Phenol-d5 (Surr)	62	10 - 110
Terphenyl-d14 (Surr)	100	40 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Method Blank - Batch: 240-24195

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-24195/23-A	Analysis Batch:	240-24480	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-24195	Lab File ID:	P4000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/23/2011 1440	Units:	ug/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2011 1200			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	29 - 151
DCB Decachlorobiphenyl	79	14 - 163

Lab Control Sample - Batch: 240-24195

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-24195/24-A	Analysis Batch:	240-24480	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-24195	Lab File ID:	P4000028.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/23/2011 1718	Units:	ug/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2011 1200			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	264	79	62 - 120	
Aroclor-1260	333	296	89	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	84	29 - 151
DCB Decachlorobiphenyl	89	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24195

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-5980-D-6-B MS	Analysis Batch:	240-24480	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-24195	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.87 g
Analysis Date:	11/23/2011 1646			Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2011 1200			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-5980-D-6-C MSD	Analysis Batch:	240-24480	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-24195	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.98 g
Analysis Date:	11/23/2011 1702			Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2011 1200			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	73	67	22 - 157	9	30		
Aroclor-1260	67	64	13 - 161	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	74	71	29 - 151
DCB Decachlorobiphenyl	85	73	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

TCLP SPLPE Leachate Blank - Batch: 240-24301

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 240-24247/1-D	Analysis Batch:	240-24817	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1559	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	11/21/2011 1610				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0032	0.50
Barium	0.00261	J	0.00067	10
Cadmium	ND		0.00066	0.10
Chromium	ND		0.0022	0.50
Lead	ND		0.0019	0.50
Selenium	ND		0.0041	0.25
Silver	ND		0.0022	0.50

Method Blank - Batch: 240-24301

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 240-24301/2-A	Analysis Batch:	240-24817	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1606	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.0032	0.50
Barium	ND		0.00067	10
Cadmium	ND		0.00066	0.10
Chromium	ND		0.0022	0.50
Lead	ND		0.0019	0.50
Selenium	ND		0.0041	0.25
Silver	ND		0.0022	0.50

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Lab Control Sample - Batch: 240-24301

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 240-24301/3-A	Analysis Batch:	240-24817	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1612	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2.00	2.06	103	50 - 150	
Barium	2.00	2.15	108	50 - 150	J
Cadmium	0.0500	0.0533	107	50 - 150	J
Chromium	0.200	0.201	101	50 - 150	J
Lead	0.500	0.517	103	50 - 150	
Selenium	2.00	2.11	105	50 - 150	
Silver	0.0500	0.0531	106	50 - 150	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24301

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	240-5968-A-1-C MS ^5	Analysis Batch:	240-24817	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	5.0	Leach Batch:	240-24247	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1643			Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	11/21/2011 1610				

MSD Lab Sample ID:	240-5968-A-1-D MSD ^5	Analysis Batch:	240-24817	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-24301	Lab File ID:	I61128A
Dilution:	5.0	Leach Batch:	240-24247	Initial Weight/Volume:	50 mL
Analysis Date:	11/28/2011 1649			Final Weight/Volume:	50 mL
Prep Date:	11/22/2011 0822				
Leach Date:	11/21/2011 1610				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	103	105	50 - 150	1	20		
Barium	105	105	50 - 150	0	20		
Cadmium	108	109	50 - 150	1	20		
Chromium	104	105	50 - 150	1	20		
Lead	106	107	50 - 150	1	20		
Selenium	108	107	50 - 150	0	20	J	J
Silver	105	106	50 - 150	1	20	J	J

TCLP SPLPE Leachate Blank - Batch: 240-24323

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 240-24247/1-E	Analysis Batch:	240-24777	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1458	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	11/21/2011 1610				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.0020

Method Blank - Batch: 240-24323

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-24323/2-A	Analysis Batch:	240-24777	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1459	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.0020

Lab Control Sample - Batch: 240-24323

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-24323/3-A	Analysis Batch:	240-24777	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1501	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00482	96	50 - 150	

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-24323

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	240-5968-A-1-F MS	Analysis Batch:	240-24777	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1503			Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	11/21/2011 1610				

MSD Lab Sample ID:	240-5968-A-1-G MSD	Analysis Batch:	240-24777	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-24323	Lab File ID:	HG11128C.PRN
Dilution:	1.0	Leach Batch:	240-24247	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2011 1504			Final Weight/Volume:	100 mL
Prep Date:	11/22/2011 1445				
Leach Date:	11/21/2011 1610				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	96	99	50 - 150	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-5936-1

Duplicate - Batch: 240-23745

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-5980-A-19 DU	Analysis Batch:	240-23745	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/17/2011 1054	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	90	90	0.2	20	
Percent Moisture	9.9	9.6	2	20	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-5936-1

Login Number: 5936

List Source: TestAmerica North Canton

List Number: 1

Creator: Vance, Rita

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-7777-1

Job Description: Ford TCAP- E200572- DE000440.0002.00005

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
1/31/2012 12:00 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
01/31/2012

TestAmerica Laboratories, Inc.
TestAmerica North Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP- E200572- DE000440.0002.00005

Report Number: 240-7777-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 01/19/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.2, 0.8, 1.3 and 1.8C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-19 (240-7777-1), AMW-20 (240-7777-2), DUP-02 (240-7777-3) and TB-(20120117)-01 (240-7777-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 01/23/2012.

1,2,3-Trichlorobenzene was detected in method blank MB 240-31076/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AMW-19 (240-7777-1), AMW-20 (240-7777-2) and DUP-02 (240-7777-3) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 01/20/2012 and analyzed on 01/24/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for AMW-19MSD (240-7777-1MSD). Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS/MSD of sample AMW-19MS (240-7777-1) in batch 240-31131.

Benzo[a]pyrene exceeded the rpd limit.

Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MSD of sample AMW-19MSD (240-7777-1) in batch 240-31304. Benzo[a]pyrene exceeded the rpd limit.

Refer to the QC report for details.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples AMW-19 (240-7777-1), AMW-20 (240-7777-2) and DUP-02 (240-7777-3) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 01/20/2012 and analyzed on 01/24/2012.

WI Diesel Range Organics (C10-C28) exceeded the rpd limit for LCSD 240-30867/3-A. Refer to the QC report for details.

Method(s) WI-DRO: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 30867 exceeded control limits for the following analytes: diesel range organics C10 - C28.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN GRO

Samples AMW-19 (240-7777-1), AMW-20 (240-7777-2) and DUP-02 (240-7777-3) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 01/26/2012.

No difficulties were encountered during the WI-GRO analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples AMW-19 (240-7777-1), AMW-20 (240-7777-2) and DUP-02 (240-7777-3) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 01/23/2012 and analyzed on 01/25/2012.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

Several analytes were detected in method blank MB 240-31087/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

DISSOLVED MERCURY (CVAA)

Samples AMW-19 (240-7777-1), AMW-20 (240-7777-2) and DUP-02 (240-7777-3) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 01/20/2012 and analyzed on 01/25/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-7777-1	**AMW-19**					
Dissolved						
Barium		220	B	200	ug/L	6010B
Calcium		150000	B	5000	ug/L	6010B
Cobalt		3.1	J	7.0	ug/L	6010B
Potassium		3900	J B	5000	ug/L	6010B
Magnesium		41000	B	5000	ug/L	6010B
Manganese		1700	B	15	ug/L	6010B
Sodium		51000		5000	ug/L	6010B
Thallium		9.7	J	10	ug/L	6010B
240-7777-2	**AMW-20**					
Acetone		2.6	J	10	ug/L	8260B
WI Diesel Range Organics (C10-C28)		0.46	*	0.10	mg/L	WI-DRO
Dissolved						
Barium		160	J B	200	ug/L	6010B
Calcium		180000	B	5000	ug/L	6010B
Cobalt		3.3	J	7.0	ug/L	6010B
Iron		550		100	ug/L	6010B
Potassium		3300	J B	5000	ug/L	6010B
Magnesium		48000	B	5000	ug/L	6010B
Manganese		1700	B	15	ug/L	6010B
Sodium		58000		5000	ug/L	6010B
Nickel		4.5	J	40	ug/L	6010B
240-7777-3FD	**DUP-02**					
p-Isopropyltoluene		0.45	J	1.0	ug/L	8260B
Methylene Chloride		0.45	J	1.0	ug/L	8260B
WI Diesel Range Organics (C10-C28)		1.2	*	0.10	mg/L	WI-DRO
Dissolved						
Barium		160	J B	200	ug/L	6010B
Calcium		180000	B	5000	ug/L	6010B
Cobalt		6.4	J	7.0	ug/L	6010B
Iron		700		100	ug/L	6010B
Potassium		3300	J B	5000	ug/L	6010B
Magnesium		48000	B	5000	ug/L	6010B
Manganese		1700	B	15	ug/L	6010B
Sodium		58000		5000	ug/L	6010B
Nickel		4.8	J	40	ug/L	6010B
Thallium		5.9	J	10	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-7777-4TB	**TB-(20120117)-01**					
Acetone		8.0	J	10	ug/L	8260B
Methylene Chloride		0.89	J	1.0	ug/L	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
Wisconsin - Gasoline Range Organics (GC)	TAL NC	WI-GRO WI-GRO	
Purge and Trap	TAL NC		SW846 5030B
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica North Canton

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Method	Analyst	Analyst ID
SW846 8260B	Williams, Larry	LW
SW846 8270C	Hula, Tom	TH
WI-GRO WI-GRO	Bolgrin, Deborah	DB
WI-DRO WI-DRO	Van Doren, Carolyn	CV
SW846 6010B	Counts, Karen	KC
SW846 7470A	Sutherland, Aaron	AS

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-7777-1	AMW-19	Water	01/17/2012 1225	01/19/2012 0930
240-7777-1MS	AMW-19	Water	01/17/2012 1225	01/19/2012 0930
240-7777-1MSD	AMW-19	Water	01/17/2012 1225	01/19/2012 0930
240-7777-2	AMW-20	Water	01/17/2012 1415	01/19/2012 0930
240-7777-3FD	DUP-02	Water	01/17/2012 0000	01/19/2012 0930
240-7777-4TB	TB-(20120117)-01	Water	01/17/2012 0000	01/19/2012 0930

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-7777-1 Date Sampled: 01/17/2012 1225
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3081.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1454			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1454				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-7777-1 Date Sampled: 01/17/2012 1225
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3081.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1454			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1454				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		63 - 129
4-Bromofluorobenzene (Surr)	88		66 - 117
Toluene-d8 (Surr)	90		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-7777-2 Date Sampled: 01/17/2012 1415
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3082.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1516			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1516				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	2.6	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-7777-2 Date Sampled: 01/17/2012 1415
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3082.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1516			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1516				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		63 - 129
4-Bromofluorobenzene (Surr)	86		66 - 117
Toluene-d8 (Surr)	87		74 - 115
Dibromofluoromethane (Surr)	92		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **DUP-02**

Lab Sample ID: 240-7777-3FD Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3083.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1539			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1539				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	0.45	J	0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **DUP-02**

Lab Sample ID: 240-7777-3FD Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3083.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1539			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1539				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	0.45	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		63 - 129
4-Bromofluorobenzene (Surr)	87		66 - 117
Toluene-d8 (Surr)	88		74 - 115
Dibromofluoromethane (Surr)	92		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **TB-(20120117)-01**

Lab Sample ID: 240-7777-4TB Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3084.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1602			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1602				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	8.0	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **TB-(20120117)-01**

Lab Sample ID: 240-7777-4TB Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM3084.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1602			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1602				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	0.89	J	0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		63 - 129
4-Bromofluorobenzene (Surr)	87		66 - 117
Toluene-d8 (Surr)	87		74 - 115
Dibromofluoromethane (Surr)	90		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-7777-1 Date Sampled: 01/17/2012 1225
Client Matrix: Water Date Received: 01/19/2012 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-31131	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-30848	Lab File ID:	0124020.D
Dilution:	1.0			Initial Weight/Volume:	920 mL
Analysis Date:	01/24/2012 1303			Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.11	11
Acenaphthylene	ND		0.11	11
Anthracene	ND		0.11	11
Benzo[a]anthracene	ND		0.11	0.22
Benzo[b]fluoranthene	ND		0.11	11
Benzo[k]fluoranthene	ND		0.11	11
Benzo[g,h,i]perylene	ND		0.11	11
Benzo[a]pyrene	ND		0.11	11
Chrysene	ND		0.11	11
2-Methylnaphthalene	ND		0.11	11
Dibenz(a,h)anthracene	ND		0.11	11
Fluoranthene	ND		0.11	11
Fluorene	ND		0.11	11
Indeno[1,2,3-cd]pyrene	ND		0.11	11
Naphthalene	ND		0.11	11
Phenanthrene	ND		0.11	11
Pyrene	ND		0.11	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	63		28 - 110
2-Fluorophenol (Surr)	69		10 - 110
2,4,6-Tribromophenol (Surr)	54		22 - 120
Nitrobenzene-d5 (Surr)	72		27 - 111
Phenol-d5 (Surr)	68		10 - 110
Terphenyl-d14 (Surr)	61		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-7777-2 Date Sampled: 01/17/2012 1415
Client Matrix: Water Date Received: 01/19/2012 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-31131	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-30848	Lab File ID:	0124023.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	01/24/2012 1355			Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.099	9.9
Acenaphthylene	ND		0.099	9.9
Anthracene	ND		0.099	9.9
Benzo[a]anthracene	ND		0.099	0.20
Benzo[b]fluoranthene	ND		0.099	9.9
Benzo[k]fluoranthene	ND		0.099	9.9
Benzo[g,h,i]perylene	ND		0.099	9.9
Benzo[a]pyrene	ND		0.099	9.9
Chrysene	ND		0.099	9.9
2-Methylnaphthalene	ND		0.099	9.9
Dibenz(a,h)anthracene	ND		0.099	9.9
Fluoranthene	ND		0.099	9.9
Fluorene	ND		0.099	9.9
Indeno[1,2,3-cd]pyrene	ND		0.099	9.9
Naphthalene	ND		0.099	9.9
Phenanthrene	ND		0.099	9.9
Pyrene	ND		0.099	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		28 - 110
2-Fluorophenol (Surr)	66		10 - 110
2,4,6-Tribromophenol (Surr)	51		22 - 120
Nitrobenzene-d5 (Surr)	67		27 - 111
Phenol-d5 (Surr)	65		10 - 110
Terphenyl-d14 (Surr)	46		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **DUP-02**

Lab Sample ID: 240-7777-3FD Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-31131	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-30848	Lab File ID:	0124024.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	01/24/2012 1412			Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.21
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		28 - 110
2-Fluorophenol (Surr)	59		10 - 110
2,4,6-Tribromophenol (Surr)	44		22 - 120
Nitrobenzene-d5 (Surr)	61		27 - 111
Phenol-d5 (Surr)	58		10 - 110
Terphenyl-d14 (Surr)	42		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-7777-1 Date Sampled: 01/17/2012 1225
Client Matrix: Water Date Received: 01/19/2012 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-31526	Instrument ID:	O
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	O1012613.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1739			Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1739			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-7777-2 Date Sampled: 01/17/2012 1415
Client Matrix: Water Date Received: 01/19/2012 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-31526	Instrument ID:	O
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	O1012616.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1922			Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1922			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **DUP-02**

Lab Sample ID: 240-7777-3FD Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

WI-GRO Wisconsin - Gasoline Range Organics (GC)

Analysis Method:	WI-GRO	Analysis Batch:	240-31526	Instrument ID:	O
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	O1012617.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1956			Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1956			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-7777-1 Date Sampled: 01/17/2012 1225
Client Matrix: Water Date Received: 01/19/2012 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-30867	Lab File ID:	P14F0000008.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	01/24/2012 1406			Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	ND	*	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-7777-2 Date Sampled: 01/17/2012 1415
Client Matrix: Water Date Received: 01/19/2012 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-30867	Lab File ID:	P14F0000011.D
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	01/24/2012 1519			Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.46	*	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **DUP-02**

Lab Sample ID: 240-7777-3FD Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Prep Method:	3510C	Prep Batch:	240-30867	Lab File ID:	P14F0000012.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	01/24/2012 1544			Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	1.2	*	0.016	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-19**

Lab Sample ID: 240-7777-1 Date Sampled: 01/17/2012 1225
Client Matrix: Water Date Received: 01/19/2012 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-31467	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 1022			Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	220	B	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Beryllium	ND		0.46	5.0
Lead	ND		1.9	3.0
Calcium	150000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	3.1	J	1.7	7.0
Copper	ND		4.5	25
Iron	ND		81	100
Potassium	3900	J B	72	5000
Magnesium	41000	B	34	5000
Manganese	1700	B	0.41	15
Sodium	51000		590	5000
Nickel	ND		3.2	40
Antimony	ND		1.8	10
Thallium	9.7	J	4.7	10
Vanadium	ND		0.64	7.0
Zinc	ND		5.0	50

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-31390	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1132			Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **AMW-20**

Lab Sample ID: 240-7777-2 Date Sampled: 01/17/2012 1415
Client Matrix: Water Date Received: 01/19/2012 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-31467	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 1202			Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	160	J B	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Beryllium	ND		0.46	5.0
Lead	ND		1.9	3.0
Calcium	180000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	3.3	J	1.7	7.0
Copper	ND		4.5	25
Iron	550		81	100
Potassium	3300	J B	72	5000
Magnesium	48000	B	34	5000
Manganese	1700	B	0.41	15
Sodium	58000		590	5000
Nickel	4.5	J	3.2	40
Antimony	ND		1.8	10
Thallium	ND		4.7	10
Vanadium	ND		0.64	7.0
Zinc	ND		5.0	50

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-31390	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1144			Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Client Sample ID: **DUP-02**

Lab Sample ID: 240-7777-3FD Date Sampled: 01/17/2012 0000
Client Matrix: Water Date Received: 01/19/2012 0930

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-31467	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 1208			Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	160	J B	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Beryllium	ND		0.46	5.0
Lead	ND		1.9	3.0
Calcium	180000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	6.4	J	1.7	7.0
Copper	ND		4.5	25
Iron	700		81	100
Potassium	3300	J B	72	5000
Magnesium	48000	B	34	5000
Manganese	1700	B	0.41	15
Sodium	58000		590	5000
Nickel	4.8	J	3.2	40
Antimony	ND		1.8	10
Thallium	5.9	J	4.7	10
Vanadium	ND		0.64	7.0
Zinc	ND		5.0	50

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-31390	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1145			Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC Semi VOA		
	*	RPD of the LCS and LCSD exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-31076					
LCS 240-31076/4	Lab Control Sample	T	Water	8260B	
MB 240-31076/5	Method Blank	T	Water	8260B	
240-7777-1	AMW-19	T	Water	8260B	
240-7777-1MS	Matrix Spike	T	Water	8260B	
240-7777-1MSD	Matrix Spike Duplicate	T	Water	8260B	
240-7777-2	AMW-20	T	Water	8260B	
240-7777-3FD	DUP-02	T	Water	8260B	
240-7777-4TB	TB-(20120117)-01	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-30848					
LCS 240-30848/2-A	Lab Control Sample	T	Water	3520C	
MB 240-30848/1-A	Method Blank	T	Water	3520C	
240-7777-1	AMW-19	T	Water	3520C	
240-7777-1MS	Matrix Spike	T	Water	3520C	
240-7777-1MSD	Matrix Spike Duplicate	T	Water	3520C	
240-7777-2	AMW-20	T	Water	3520C	
240-7777-3FD	DUP-02	T	Water	3520C	
Analysis Batch:240-31131					
LCS 240-30848/2-A	Lab Control Sample	T	Water	8270C	240-30848
MB 240-30848/1-A	Method Blank	T	Water	8270C	240-30848
240-7777-1	AMW-19	T	Water	8270C	240-30848
240-7777-1MS	Matrix Spike	T	Water	8270C	240-30848
240-7777-2	AMW-20	T	Water	8270C	240-30848
240-7777-3FD	DUP-02	T	Water	8270C	240-30848
Analysis Batch:240-31304					
240-7777-1MSD	Matrix Spike Duplicate	T	Water	8270C	240-30848

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:240-31526					
LCS 240-31526/6	Lab Control Sample	T	Water	WI-GRO	
LCSD 240-31526/18	Lab Control Sample Duplicate	T	Water	WI-GRO	
MB 240-31526/5	Method Blank	T	Water	WI-GRO	
240-7777-1	AMW-19	T	Water	WI-GRO	
240-7777-1MS	Matrix Spike	T	Water	WI-GRO	
240-7777-1MSD	Matrix Spike Duplicate	T	Water	WI-GRO	
240-7777-2	AMW-20	T	Water	WI-GRO	
240-7777-3FD	DUP-02	T	Water	WI-GRO	

Report Basis
T = Total

GC Semi VOA					
Prep Batch: 240-30867					
LCS 240-30867/2-A	Lab Control Sample	T	Water	3510C	
LCSD 240-30867/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-30867/1-A	Method Blank	T	Water	3510C	
240-7777-1	AMW-19	T	Water	3510C	
240-7777-1MS	Matrix Spike	T	Water	3510C	
240-7777-1MSD	Matrix Spike Duplicate	T	Water	3510C	
240-7777-2	AMW-20	T	Water	3510C	
240-7777-3FD	DUP-02	T	Water	3510C	
Analysis Batch:240-31199					
LCS 240-30867/2-A	Lab Control Sample	T	Water	WI-DRO	240-30867
LCSD 240-30867/3-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-30867
MB 240-30867/1-A	Method Blank	T	Water	WI-DRO	240-30867
240-7777-1	AMW-19	T	Water	WI-DRO	240-30867
240-7777-1MS	Matrix Spike	T	Water	WI-DRO	240-30867
240-7777-1MSD	Matrix Spike Duplicate	T	Water	WI-DRO	240-30867
240-7777-2	AMW-20	T	Water	WI-DRO	240-30867
240-7777-3FD	DUP-02	T	Water	WI-DRO	240-30867

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-30868					
LCS 240-30868/2-A	Lab Control Sample	T	Water	7470A	
MB 240-30868/1-A	Method Blank	T	Water	7470A	
240-7777-1	AMW-19	D	Water	7470A	
240-7777-1MS	Matrix Spike	D	Water	7470A	
240-7777-1MSD	Matrix Spike Duplicate	D	Water	7470A	
240-7777-2	AMW-20	D	Water	7470A	
240-7777-3FD	DUP-02	D	Water	7470A	
Prep Batch: 240-31087					
LCS 240-31087/2-A	Lab Control Sample	R	Water	3005A	
MB 240-31087/1-A	Method Blank	R	Water	3005A	
240-7777-1	AMW-19	D	Water	3005A	
240-7777-1MS	Matrix Spike	D	Water	3005A	
240-7777-1MSD	Matrix Spike Duplicate	D	Water	3005A	
240-7777-2	AMW-20	D	Water	3005A	
240-7777-3FD	DUP-02	D	Water	3005A	
Analysis Batch:240-31390					
LCS 240-30868/2-A	Lab Control Sample	T	Water	7470A	240-30868
MB 240-30868/1-A	Method Blank	T	Water	7470A	240-30868
240-7777-1	AMW-19	D	Water	7470A	240-30868
240-7777-1MS	Matrix Spike	D	Water	7470A	240-30868
240-7777-1MSD	Matrix Spike Duplicate	D	Water	7470A	240-30868
240-7777-2	AMW-20	D	Water	7470A	240-30868
240-7777-3FD	DUP-02	D	Water	7470A	240-30868
Analysis Batch:240-31467					
LCS 240-31087/2-A	Lab Control Sample	R	Water	6010B	240-31087
MB 240-31087/1-A	Method Blank	R	Water	6010B	240-31087
240-7777-1	AMW-19	D	Water	6010B	240-31087
240-7777-1MS	Matrix Spike	D	Water	6010B	240-31087
240-7777-1MSD	Matrix Spike Duplicate	D	Water	6010B	240-31087
240-7777-2	AMW-20	D	Water	6010B	240-31087
240-7777-3FD	DUP-02	D	Water	6010B	240-31087

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-7777-1	AMW-19	91	88	90	91
240-7777-2	AMW-20	90	86	87	92
240-7777-3	DUP-02	92	87	88	92
240-7777-4	TB-(20120117)-01	90	87	87	90
MB 240-31076/5		97	96	96	101
LCS 240-31076/4		88	91	89	93
240-7777-1 MS	AMW-19 MS	89	91	90	97
240-7777-1 MSD	AMW-19 MSD	85	90	89	93

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-7777-1	AMW-19	63	69	54	72	68	61
240-7777-2	AMW-20	58	66	51	67	65	46
240-7777-3	DUP-02	52	59	44	61	58	42
MB 240-30848/1-A		56	63	46	64	61	67
LCS 240-30848/2-A		64	73	62	76	72	72
240-7777-1 MS	AMW-19 MS	64	75	59	74	73	41
240-7777-1 MSD	AMW-19 MSD	57	62	56	62	64	35X

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Method Blank - Batch: 240-31076

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-31076/5	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3074.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1213	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.319	J	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Method Blank - Batch: 240-31076 **Method: 8260B**
Preparation: 5030B

Lab Sample ID:	MB 240-31076/5	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3074.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1213	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorofluoromethane	ND		0.42	2.0
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	63 - 129
4-Bromofluorobenzene (Surr)	96	66 - 117
Toluene-d8 (Surr)	96	74 - 115
Dibromofluoromethane (Surr)	101	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Control Sample - Batch: 240-31076

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-31076/4	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3073.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1150	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1150				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	8.76	88	72 - 116	
1,1,1-Trichloroethane	10.0	9.57	96	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	7.86	79	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.2	122	74 - 151	
1,1,2-Trichloroethane	10.0	8.48	85	80 - 112	
1,1-Dichloroethane	10.0	9.09	91	82 - 115	
1,1-Dichloroethene	10.0	10.1	101	78 - 131	
1,1-Dichloropropene	10.0	9.50	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	8.48	85	54 - 126	
1,2,3-Trichloropropane	10.0	8.50	85	73 - 129	
1,2,4-Trichlorobenzene	10.0	8.80	88	48 - 135	
1,2,4-Trimethylbenzene	10.0	8.60	86	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	7.82	78	42 - 136	
1,2-Dichlorobenzene	10.0	8.54	85	81 - 110	
1,2-Dichloroethane	10.0	8.90	89	71 - 127	
1,2-Dichloropropane	10.0	8.80	88	81 - 115	
1,3,5-Trimethylbenzene	10.0	8.72	87	72 - 118	
1,3-Dichlorobenzene	10.0	8.55	86	80 - 110	
1,3-Dichloropropane	10.0	8.23	82	79 - 116	
1,4-Dichlorobenzene	10.0	8.45	85	82 - 110	
2,2-Dichloropropane	10.0	9.54	95	50 - 129	
2-Chlorotoluene	10.0	8.59	86	76 - 116	
2-Hexanone	20.0	15.1	76	55 - 133	
Bromobenzene	10.0	8.67	87	76 - 115	
Bromochloromethane	10.0	9.69	97	77 - 120	
4-Chlorotoluene	10.0	8.37	84	77 - 115	
p-Isopropyltoluene	10.0	9.18	92	74 - 120	
Acetone	20.0	12.9	65	43 - 136	
Benzene	10.0	9.16	92	83 - 112	
Bromoform	10.0	7.71	77	40 - 131	
Bromomethane	10.0	11.8	118	11 - 185	
Carbon disulfide	10.0	9.25	93	62 - 142	
Carbon tetrachloride	10.0	9.45	95	66 - 128	
Chlorobenzene	10.0	8.84	88	85 - 110	
Chloroethane	10.0	10.2	102	25 - 153	
Chloroform	10.0	9.76	98	79 - 117	
Chloromethane	10.0	8.56	86	44 - 126	
cis-1,2-Dichloroethene	10.0	9.46	95	80 - 113	
cis-1,3-Dichloropropene	10.0	8.53	85	61 - 115	
Cyclohexane	10.0	9.53	95	54 - 121	
Hexachlorobutadiene	10.0	8.09	81	36 - 134	

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Control Sample - Batch: 240-31076

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-31076/4	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3073.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 1150	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 1150				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromomethane	10.0	9.11	91	81 - 120	
Bromodichloromethane	10.0	8.77	88	72 - 121	
Dichlorodifluoromethane	10.0	8.59	86	19 - 129	
Ethyl ether	10.0	10.5	105	53 - 135	
Ethylbenzene	10.0	8.95	90	83 - 112	
1,2-Dibromoethane	10.0	8.48	85	79 - 113	
Naphthalene	10.0	8.80	88	32 - 141	
m-Xylene & p-Xylene	20.0	17.8	89	83 - 113	
n-Butylbenzene	10.0	8.84	88	66 - 125	
Isopropylbenzene	10.0	9.09	91	75 - 114	
Methyl acetate	10.0	6.87	69	58 - 131	J
N-Propylbenzene	10.0	8.98	90	74 - 121	
2-Butanone (MEK)	20.0	13.9	70	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	16.0	80	63 - 128	
sec-Butylbenzene	10.0	8.61	86	70 - 117	
Methyl tert butyl ether	10.0	9.36	94	52 - 144	
Methylene Chloride	10.0	8.47	85	66 - 131	
o-Xylene	10.0	9.24	92	83 - 113	
Styrene	10.0	9.27	93	79 - 114	
tert-Butylbenzene	10.0	8.15	82	71 - 115	
Tetrachloroethene	10.0	8.73	87	79 - 114	
Tetrahydrofuran	10.0	6.91	69	23 - 143	
Toluene	10.0	8.53	85	84 - 111	
trans-1,2-Dichloroethene	10.0	9.83	98	83 - 117	
trans-1,3-Dichloropropene	10.0	8.30	83	58 - 117	
Trichloroethene	10.0	9.63	96	76 - 117	
Trichlorofluoromethane	10.0	11.0	110	49 - 157	
Vinyl chloride	10.0	9.51	95	53 - 127	
Methylcyclohexane	10.0	10.7	107	56 - 127	
Chlorodibromomethane	10.0	8.58	86	64 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	63 - 129
4-Bromofluorobenzene (Surr)	91	66 - 117
Toluene-d8 (Surr)	89	74 - 115
Dibromofluoromethane (Surr)	93	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-31076

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3098.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 2118			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 2118				
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3099.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 2140			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 2140				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	81	87	64 - 118	7	30		
1,1,1-Trichloroethane	96	97	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	75	77	63 - 122	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	134	117	70 - 152	14	30		
1,1,2-Trichloroethane	81	83	75 - 115	3	30		
1,1-Dichloroethane	88	91	79 - 116	3	30		
1,1-Dichloroethene	105	102	74 - 135	3	30		
1,1-Dichloropropene	96	92	80 - 114	5	30		
1,2,3-Trichlorobenzene	77	85	45 - 129	9	30		
1,2,3-Trichloropropane	79	82	67 - 132	3	30		
1,2,4-Trichlorobenzene	76	82	38 - 138	8	30		
1,2,4-Trimethylbenzene	82	85	67 - 124	3	30		
1,2-Dibromo-3-Chloropropane	81	83	32 - 139	2	30		
1,2-Dichlorobenzene	80	84	75 - 111	5	30		
1,2-Dichloroethane	85	88	68 - 129	3	30		
1,2-Dichloropropane	83	86	78 - 115	4	30		
1,3,5-Trimethylbenzene	82	85	63 - 121	3	30		
1,3-Dichlorobenzene	80	83	73 - 110	4	30		
1,3-Dichloropropane	79	80	74 - 118	1	30		
1,4-Dichlorobenzene	80	83	75 - 110	3	30		
2,2-Dichloropropane	92	91	38 - 127	2	30		
2-Chlorotoluene	83	83	69 - 117	1	30		
2-Hexanone	73	73	47 - 139	0	30		
Bromobenzene	85	85	71 - 116	1	30		
Bromochloromethane	90	94	73 - 121	4	30		
4-Chlorotoluene	80	83	71 - 116	4	30		
p-Isopropyltoluene	91	95	64 - 122	4	30		
Acetone	58	63	33 - 145	8	30		
Benzene	87	89	72 - 121	2	30		
Bromoform	73	73	32 - 128	1	30		
Bromomethane	110	133	10 - 186	19	30		
Carbon disulfide	93	92	57 - 147	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-31076

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3098.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 2118			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 2118				
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3099.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 2140			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 2140				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	97	95	59 - 129	3	30		
Chlorobenzene	85	86	80 - 110	1	30		
Chloroethane	95	105	21 - 165	10	30		
Chloroform	93	98	76 - 118	5	30		
Chloromethane	81	88	33 - 132	7	30		
cis-1,2-Dichloroethene	93	94	70 - 120	1	30		
cis-1,3-Dichloropropene	77	79	51 - 110	3	30		
Cyclohexane	108	93	49 - 123	15	30		
Hexachlorobutadiene	72	76	27 - 132	5	30		
Dibromomethane	86	89	77 - 121	3	30		
Bromodichloromethane	81	88	67 - 120	8	30		
Dichlorodifluoromethane	98	81	17 - 128	19	30		
Ethyl ether	105	101	63 - 136	4	30		
Ethylbenzene	86	87	75 - 116	1	30		
1,2-Dibromoethane	80	82	74 - 113	2	30		
Naphthalene	82	87	15 - 158	5	30		
m-Xylene & p-Xylene	85	87	75 - 117	2	30		
n-Butylbenzene	78	81	56 - 127	3	30		
Isopropylbenzene	84	88	68 - 116	5	30		
Methyl acetate	67	65	47 - 130	3	30	J	J
N-Propylbenzene	85	87	64 - 124	3	30		
2-Butanone (MEK)	70	65	54 - 129	7	30		
4-Methyl-2-pentanone (MIBK)	80	79	56 - 131	2	30		
sec-Butylbenzene	81	81	60 - 119	0	30		
Methyl tert butyl ether	91	92	46 - 144	1	30		
Methylene Chloride	82	86	63 - 128	5	30		
o-Xylene	86	91	76 - 116	6	30		
Styrene	83	85	71 - 117	3	30		
tert-Butylbenzene	78	81	61 - 119	3	30		
Tetrachloroethene	87	88	70 - 117	1	30		
Tetrahydrofuran	68	66	10 - 167	2	30		
Toluene	81	86	78 - 114	6	30		

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-31076

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3098.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 2118			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 2118				
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31076	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM3099.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/23/2012 2140			Final Weight/Volume:	5 mL
Prep Date:	01/23/2012 2140				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	96	98	80 - 119	2	30		
trans-1,3-Dichloropropene	76	78	46 - 116	2	30		
Trichloroethene	93	94	66 - 120	1	30		
Trichlorofluoromethane	111	110	46 - 157	1	30		
Vinyl chloride	96	95	49 - 130	1	30		
Methylcyclohexane	120	97	49 - 127	22	30		
Chlorodibromomethane	77	82	56 - 118	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	85	63 - 129
4-Bromofluorobenzene (Surr)	91	90	66 - 117
Toluene-d8 (Surr)	90	89	74 - 115
Dibromofluoromethane (Surr)	97	93	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Method Blank - Batch: 240-30848

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-30848/1-A	Analysis Batch:	240-31131	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-30848	Lab File ID:	0124008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	01/24/2012 0935	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.10	10
Acenaphthylene	ND		0.10	10
Anthracene	ND		0.10	10
Benzo[a]anthracene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	10
Benzo[k]fluoranthene	ND		0.10	10
Benzo[g,h,i]perylene	ND		0.10	10
Benzo[a]pyrene	ND		0.10	10
Chrysene	ND		0.10	10
2-Methylnaphthalene	ND		0.10	10
Dibenz(a,h)anthracene	ND		0.10	10
Fluoranthene	ND		0.10	10
Fluorene	ND		0.10	10
Indeno[1,2,3-cd]pyrene	ND		0.10	10
Naphthalene	ND		0.10	10
Phenanthrene	ND		0.10	10
Pyrene	ND		0.10	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	28 - 110
2-Fluorophenol (Surr)	63	10 - 110
2,4,6-Tribromophenol (Surr)	46	22 - 120
Nitrobenzene-d5 (Surr)	64	27 - 111
Phenol-d5 (Surr)	61	10 - 110
Terphenyl-d14 (Surr)	67	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Control Sample - Batch: 240-30848

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-30848/2-A	Analysis Batch:	240-31131	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-30848	Lab File ID:	0124009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	01/24/2012 0952	Units:	ug/L	Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	12.7	64	40 - 110	
Acenaphthylene	20.0	13.0	65	43 - 110	
Anthracene	20.0	13.0	65	54 - 114	
Benzo[a]anthracene	20.0	12.4	62	55 - 115	
Benzo[b]fluoranthene	20.0	11.9	60	43 - 122	
Benzo[k]fluoranthene	20.0	14.2	71	43 - 124	
Benzo[g,h,i]perylene	20.0	13.4	67	45 - 120	
Benzo[a]pyrene	20.0	11.2	56	43 - 116	
Chrysene	20.0	14.6	73	55 - 115	
2-Methylnaphthalene	20.0	13.0	65	35 - 110	
Dibenz(a,h)anthracene	20.0	12.6	63	46 - 122	
Fluoranthene	20.0	13.6	68	54 - 122	
Fluorene	20.0	13.1	66	47 - 112	
Indeno[1,2,3-cd]pyrene	20.0	12.6	63	46 - 121	
Naphthalene	20.0	13.6	68	31 - 110	
Phenanthrene	20.0	13.4	67	52 - 114	
Pyrene	20.0	13.1	65	55 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	28 - 110
2-Fluorophenol (Surr)	73	10 - 110
2,4,6-Tribromophenol (Surr)	62	22 - 120
Nitrobenzene-d5 (Surr)	76	27 - 111
Phenol-d5 (Surr)	72	10 - 110
Terphenyl-d14 (Surr)	72	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-30848

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31131	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-30848	Lab File ID:	0124021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	980 mL
Analysis Date:	01/24/2012 1320			Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31304	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-30848	Lab File ID:	0125015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	970 mL
Analysis Date:	01/25/2012 1141			Final Weight/Volume:	2.00 mL
Prep Date:	01/20/2012 0737			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	63	57	36 - 110	9	30		
Acenaphthylene	64	58	39 - 110	9	30		
Anthracene	60	55	46 - 110	8	30		
Benzo[a]anthracene	39	34	52 - 110	12	30	F	F
Benzo[b]fluoranthene	25	23	33 - 114	8	30	J F	J F
Benzo[k]fluoranthene	32	24	32 - 121	26	30	J	J F
Benzo[g,h,i]perylene	21	16	34 - 116	24	30	J F	J F
Benzo[a]pyrene	25	16	33 - 110	43	30	J F	J F
Chrysene	42	34	52 - 111	20	30	J F	J F
2-Methylnaphthalene	62	60	35 - 110	3	30		
Dibenz(a,h)anthracene	20	17	35 - 118	16	30	J F	J F
Fluoranthene	53	51	53 - 111	4	30		F
Fluorene	64	59	43 - 110	7	30		
Indeno[1,2,3-cd]pyrene	18	15	36 - 116	16	30	J F	J F
Naphthalene	65	60	32 - 110	8	30		
Phenanthrene	63	57	47 - 110	9	30		
Pyrene	56	51	54 - 115	7	30		F

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	64	57		28 - 110
2-Fluorophenol (Surr)	75	62		10 - 110
2,4,6-Tribromophenol (Surr)	59	56		22 - 120
Nitrobenzene-d5 (Surr)	74	62		27 - 111
Phenol-d5 (Surr)	73	64		10 - 110
Terphenyl-d14 (Surr)	41	35	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Method Blank - Batch: 240-31526

Method: WI-GRO
Preparation: 5030B

Lab Sample ID:	MB 240-31526/5	Analysis Batch:	240-31526	Instrument ID:	O
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	O1012605.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1305			Injection Volume:	
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C6-C10)	ND		26	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-31526

Method: WI-GRO
Preparation: 5030B

LCS Lab Sample ID:	LCS 240-31526/6	Analysis Batch:	240-31526	Instrument ID:	O
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	O1012606.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1339	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1339			Injection Volume:	
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-31526/18	Analysis Batch:	240-31526	Instrument ID:	O
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	O1012618.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 2031	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 2031			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C6-C10)	116	96	80 - 120	19	20		

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-31526

Method: WI-GRO
Preparation: 5030B

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31526	Instrument ID:	O
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	O1012614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1813			Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1813			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31526	Instrument ID:	O
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	O1012615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/26/2012 1848			Final Weight/Volume:	5 mL
Prep Date:	01/26/2012 1848			Injection Volume:	
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Gasoline Range Organics (C6-C10)	103	112	80 - 120	8	20		

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Method Blank - Batch: 240-30867 **Method: WI-DRO**
Preparation: 3510C

Lab Sample ID:	MB 240-30867/1-A	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-30867	Lab File ID:	P14F0000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	01/24/2012 1317	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-30867 **Method: WI-DRO**
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-30867/2-A	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-30867	Lab File ID:	P14F0000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	01/24/2012 1342	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-30867/3-A	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-30867	Lab File ID:	P14F0000013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	01/24/2012 1608	Units:	mg/L	Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	85	108	75 - 115	24	20		*

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-30867

Method: WI-DRO
Preparation: 3510C

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-30867	Lab File ID:	P14F0000009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	980 mL
Analysis Date:	01/24/2012 1431			Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31199	Instrument ID:	A2HP14F
Client Matrix:	Water	Prep Batch:	240-30867	Lab File ID:	P14F0000010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	970 mL
Analysis Date:	01/24/2012 1455			Final Weight/Volume:	1.00 mL
Prep Date:	01/20/2012 0755			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	79	62	60 - 130	22	25		

Method Blank - Batch: 240-31087

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-31087/1-A	Analysis Batch:	240-31467	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 0932	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	1.11	J	0.67	200
Aluminum	ND		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Beryllium	ND		0.46	5.0
Lead	ND		1.9	3.0
Calcium	222	J	130	5000
Cobalt	ND		1.7	7.0
Copper	ND		4.5	25
Iron	ND		81	100
Potassium	202	J	72	5000
Magnesium	228	J	34	5000
Manganese	0.445	J	0.41	15
Sodium	ND		590	5000
Nickel	ND		3.2	40
Antimony	ND		1.8	10
Thallium	ND		4.7	10
Vanadium	ND		0.64	7.0
Zinc	ND		5.0	50

Method Blank - Batch: 240-31087

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-31087/1-A	Analysis Batch:	240-31467	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 2128	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Selenium	ND		4.1	5.0

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Lab Control Sample - Batch: 240-31087

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-31087/2-A	Analysis Batch:	240-31467	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 0939	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1950	97	80 - 120	
Aluminum	2000	1940	97	80 - 120	
Cadmium	50.0	46.6	93	80 - 120	
Chromium	200	185	92	80 - 120	
Silver	50.0	46.4	93	80 - 120	
Arsenic	2000	1830	91	80 - 120	
Beryllium	50.0	46.9	94	80 - 120	
Lead	500	458	92	80 - 120	
Calcium	50000	47000	94	80 - 120	
Selenium	2000	1810	91	80 - 120	
Cobalt	500	458	92	80 - 120	
Copper	250	228	91	80 - 120	
Iron	1000	944	94	80 - 120	
Potassium	50000	48200	96	80 - 120	
Magnesium	50000	45300	91	80 - 120	
Manganese	500	469	94	80 - 120	
Sodium	50000	46000	92	80 - 120	
Nickel	500	465	93	80 - 120	
Antimony	500	464	93	80 - 120	
Thallium	2000	1750	87	80 - 120	
Vanadium	500	459	92	80 - 120	
Zinc	500	476	95	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-7777-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-31087

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31467	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 1028			Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31467	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-31087	Lab File ID:	I60125A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/25/2012 1034			Final Weight/Volume:	50 mL
Prep Date:	01/23/2012 1147				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	108	109	75 - 125	1	20		
Aluminum	109	110	75 - 125	1	20		
Cadmium	100	101	75 - 125	1	20		
Chromium	101	101	75 - 125	0	20		
Silver	103	104	75 - 125	0	20		
Arsenic	101	102	75 - 125	0	20		
Beryllium	104	104	75 - 125	1	20		
Lead	100	100	75 - 125	0	20		
Calcium	105	105	75 - 125	0	20		
Selenium	99	100	75 - 125	1	20		
Cobalt	99	100	75 - 125	1	20		
Copper	99	100	75 - 125	0	20		
Iron	113	113	75 - 125	0	20		
Potassium	109	110	75 - 125	1	20		
Magnesium	103	103	75 - 125	0	20		
Manganese	102	101	75 - 125	0	20		
Sodium	106	107	75 - 125	0	20		
Nickel	101	102	75 - 125	1	20		
Antimony	104	105	75 - 125	1	20		
Thallium	92	92	75 - 125	0	20		
Vanadium	101	101	75 - 125	0	20		
Zinc	102	103	75 - 125	0	20		

Method Blank - Batch: 240-30868

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-30868/1-A	Analysis Batch:	240-31390	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1130	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-30868

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-30868/2-A	Analysis Batch:	240-31390	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1131	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.18	84	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-30868

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-7777-1	Analysis Batch:	240-31390	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1133			Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				
Leach Date:	N/A				

MSD Lab Sample ID:	240-7777-1	Analysis Batch:	240-31390	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-30868	Lab File ID:	H1012512B.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/25/2012 1134			Final Weight/Volume:	100 mL
Prep Date:	01/20/2012 1335				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	97	98	69 - 134	0	20		

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-7777-1

Login Number: 7777

List Source: TestAmerica North Canton

List Number: 1

Creator: Gambone, Mike

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8/1.3/1.8/0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-11587-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
6/7/2012 3:43 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
06/07/2012

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-11587-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/23/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-201-7-9(20120521) (240-11587-1), ASB-202-8-10(20120521) (240-11587-2) and ASB-203-5-9(20120521) (240-11587-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 05/29/2012 and analyzed on 06/02/2012.

Dichlorodifluoromethane was detected in method blank MB 240-45549/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Vinyl chloride failed the recovery criteria high for LCS 240-45549/2-A. Refer to the QC report for details.

Method(s) 8260B: The laboratory control sample (LCS) for batch 45549 exceeded control limits for the following analyte: Vinyl Chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 45549.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-203-5-9(20120521) (240-11587-3), ASB-204-2.5-5(20120522) (240-11587-4), ASB-205-2.5-5(20120522) (240-11587-5), ASB-206-2-5(20120522) (240-11587-6) and ASB-207-2.5-5(20120522) (240-11587-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/31/2012 and analyzed on

06/04/2012 and 06/05/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Pentachlorophenol failed the recovery criteria low for the MS of sample 240-11631-1 in batch 240-46255.

2,4-Dinitrophenol exceeded the rpd limit for the MSD of sample 240-11631-1 in batch 240-46255.

Refer to the QC report for details.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB-203-5-9(20120521) (240-11587-3) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 05/31/2012 and analyzed on 06/02/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-11631-1 MS), (240-11631-1 MSD), ASB-203-5-9(20120521) (240-11587-3), CLEAN BACKFILL (240-11631-1). Lot # S65830.

No other difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-203-5-9(20120521) (240-11587-3), ASB-204-2.5-5(20120522) (240-11587-4), ASB-205-2.5-5(20120522) (240-11587-5), ASB-206-2-5(20120522) (240-11587-6) and ASB-207-2.5-5(20120522) (240-11587-7) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 05/31/2012 and analyzed on 06/04/2012.

No difficulties were encountered during the WI-DRO analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-201-7-9(20120521) (240-11587-1), ASB-202-8-10(20120521) (240-11587-2), ASB-203-5-9(20120521) (240-11587-3), ASB-204-2.5-5(20120522) (240-11587-4), ASB-205-2.5-5(20120522) (240-11587-5), ASB-206-2-5(20120522) (240-11587-6) and ASB-207-2.5-5(20120522) (240-11587-7) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/24/2012 and analyzed on 05/30/2012.

Several analytes were detected in method blank MB 240-45177/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Calcium and Magnesium failed the recovery criteria low for the MS of sample ASB-201-7-9(20120521)MS (240-11587-1) in batch 240-45827. Aluminum, Iron and Manganese failed the recovery criteria high.

For the MSD of sample ASB-201-7-9(20120521)MSD (240-11587-1) in batch 240-45827, Iron failed the recovery criteria low. Aluminum and Calcium failed the recovery criteria high. Also, Calcium, Iron, Magnesium and Manganese exceeded the rpd limit.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-201-7-9(20120521) (240-11587-1), ASB-202-8-10(20120521) (240-11587-2), ASB-203-5-9(20120521) (240-11587-3), ASB-204-2.5-5(20120522) (240-11587-4), ASB-205-2.5-5(20120522) (240-11587-5), ASB-206-2-5(20120522) (240-11587-6) and ASB-207-2.5-5(20120522) (240-11587-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 05/24/2012 and analyzed on 05/30/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-201-7-9(20120521) (240-11587-1), ASB-202-8-10(20120521) (240-11587-2), ASB-203-5-9(20120521) (240-11587-3), ASB-204-2.5-5(20120522) (240-11587-4), ASB-205-2.5-5(20120522) (240-11587-5), ASB-206-2-5(20120522) (240-11587-6) and ASB-207-2.5-5(20120522) (240-11587-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/24/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-1	**ASB-201-7-9(20120521)**					
Dichlorodifluoromethane		64	J B	270	ug/Kg	8260B
Naphthalene		9.5	J	270	ug/Kg	8260B
Aluminum		2700		21	mg/Kg	6010B
Barium		19	J B	21	mg/Kg	6010B
Beryllium		0.069	J	0.53	mg/Kg	6010B
Calcium		30000	B	530	mg/Kg	6010B
Cobalt		3.2	J	5.3	mg/Kg	6010B
Chromium		7.2		0.53	mg/Kg	6010B
Copper		7.5		2.6	mg/Kg	6010B
Iron		7500	B	11	mg/Kg	6010B
Potassium		300	J B	530	mg/Kg	6010B
Magnesium		11000		530	mg/Kg	6010B
Manganese		150	B	1.6	mg/Kg	6010B
Nickel		7.7		4.2	mg/Kg	6010B
Vanadium		11		5.3	mg/Kg	6010B
Zinc		13		2.1	mg/Kg	6010B
Arsenic		1.7		1.1	mg/Kg	6010B
Lead		1.7		0.32	mg/Kg	6010B
Selenium		0.72		0.53	mg/Kg	6010B
Percent Solids		92		0.10	%	Moisture
Percent Moisture		8.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-2	**ASB-202-8-10(20120521)**					
Dichlorodifluoromethane		33	J B	250	ug/Kg	8260B
Methyl acetate		410	J	490	ug/Kg	8260B
Trichloroethene		16	J	250	ug/Kg	8260B
Aluminum		3300		22	mg/Kg	6010B
Barium		48	B	22	mg/Kg	6010B
Beryllium		0.15	J	0.56	mg/Kg	6010B
Calcium		35000	B	560	mg/Kg	6010B
Cobalt		6.4		5.6	mg/Kg	6010B
Chromium		12		0.56	mg/Kg	6010B
Copper		13		2.8	mg/Kg	6010B
Iron		11000	B	11	mg/Kg	6010B
Potassium		780	B	560	mg/Kg	6010B
Magnesium		11000		560	mg/Kg	6010B
Manganese		350	B	1.7	mg/Kg	6010B
Nickel		12		4.5	mg/Kg	6010B
Vanadium		14		5.6	mg/Kg	6010B
Zinc		25		2.2	mg/Kg	6010B
Arsenic		2.4		1.1	mg/Kg	6010B
Lead		3.1		0.33	mg/Kg	6010B
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-3	**ASB-203-5-9(20120521)**					
Dichlorodifluoromethane		21	J B	300	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		30	J	350	ug/Kg	8270C
Naphthalene		12	J	350	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		1.6	J	9.5	mg/Kg	WI-DRO
Aluminum		2400		20	mg/Kg	6010B
Barium		60	B	20	mg/Kg	6010B
Beryllium		0.13	J	0.49	mg/Kg	6010B
Calcium		42000	B	490	mg/Kg	6010B
Cobalt		5.8		4.9	mg/Kg	6010B
Chromium		7.0		0.49	mg/Kg	6010B
Copper		7.8		2.5	mg/Kg	6010B
Iron		9200	B	9.9	mg/Kg	6010B
Potassium		460	J B	490	mg/Kg	6010B
Magnesium		9600		490	mg/Kg	6010B
Manganese		750	B	1.5	mg/Kg	6010B
Nickel		12		4.0	mg/Kg	6010B
Vanadium		11		4.9	mg/Kg	6010B
Zinc		13		2.0	mg/Kg	6010B
Arsenic		2.6		0.99	mg/Kg	6010B
Lead		2.7		0.30	mg/Kg	6010B
Selenium		0.49		0.49	mg/Kg	6010B
Percent Solids		94		0.10	%	Moisture
Percent Moisture		6.3		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-4	**ASB-204-2.5-5(20120522)**					
Bis(2-ethylhexyl) phthalate		24	J	360	ug/Kg	8270C
Naphthalene		12	J	360	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.6	J	9.7	mg/Kg	WI-DRO
Aluminum		3000		21	mg/Kg	6010B
Barium		61	B	21	mg/Kg	6010B
Beryllium		0.16	J	0.53	mg/Kg	6010B
Calcium		9200	B	530	mg/Kg	6010B
Cobalt		5.1	J	5.3	mg/Kg	6010B
Chromium		6.1		0.53	mg/Kg	6010B
Copper		5.5		2.6	mg/Kg	6010B
Iron		7800	B	11	mg/Kg	6010B
Potassium		340	J B	530	mg/Kg	6010B
Magnesium		3600		530	mg/Kg	6010B
Manganese		440	B	1.6	mg/Kg	6010B
Sodium		74	J	530	mg/Kg	6010B
Nickel		11		4.2	mg/Kg	6010B
Vanadium		11		5.3	mg/Kg	6010B
Zinc		23		2.1	mg/Kg	6010B
Arsenic		3.1		1.1	mg/Kg	6010B
Lead		3.8		0.32	mg/Kg	6010B
Selenium		0.49	J	0.53	mg/Kg	6010B
Mercury		0.017	J	0.094	mg/Kg	7471A
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-5	**ASB-205-2.5-5(20120522)**					
Benzo[a]anthracene		9.5	J	420	ug/Kg	8270C
Benzo[b]fluoranthene		10	J	420	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		120	J	420	ug/Kg	8270C
Butyl benzyl phthalate		45	J	420	ug/Kg	8270C
Chrysene		9.3	J	420	ug/Kg	8270C
Fluoranthene		13	J	420	ug/Kg	8270C
Pyrene		13	J	420	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.6	J	12	mg/Kg	WI-DRO
Aluminum		6400		25	mg/Kg	6010B
Barium		54	B	25	mg/Kg	6010B
Beryllium		0.43	J	0.62	mg/Kg	6010B
Calcium		71000	B	620	mg/Kg	6010B
Cobalt		11		6.2	mg/Kg	6010B
Chromium		13		0.62	mg/Kg	6010B
Copper		10		3.1	mg/Kg	6010B
Iron		13000	B	12	mg/Kg	6010B
Potassium		2800	B	620	mg/Kg	6010B
Magnesium		7200		620	mg/Kg	6010B
Manganese		600	B	1.9	mg/Kg	6010B
Sodium		150	J	620	mg/Kg	6010B
Nickel		16		5.0	mg/Kg	6010B
Vanadium		11		6.2	mg/Kg	6010B
Zinc		29		2.5	mg/Kg	6010B
Arsenic		3.2		1.2	mg/Kg	6010B
Lead		8.3		0.37	mg/Kg	6010B
Mercury		0.031	J	0.12	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-6	**ASB-206-2-5(20120522)**					
Benzo[b]fluoranthene		7.0	J	340	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		33	J	340	ug/Kg	8270C
Naphthalene		11	J	340	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		4.2	J	9.4	mg/Kg	WI-DRO
Aluminum		2800		20	mg/Kg	6010B
Barium		36	B	20	mg/Kg	6010B
Beryllium		0.15	J	0.50	mg/Kg	6010B
Calcium		31000	B	500	mg/Kg	6010B
Cadmium		0.038	J	0.20	mg/Kg	6010B
Cobalt		6.0		5.0	mg/Kg	6010B
Chromium		7.4		0.50	mg/Kg	6010B
Copper		7.7		2.5	mg/Kg	6010B
Iron		7500	B	9.9	mg/Kg	6010B
Potassium		620	B	500	mg/Kg	6010B
Magnesium		13000		500	mg/Kg	6010B
Manganese		400	B	1.5	mg/Kg	6010B
Sodium		67	J	500	mg/Kg	6010B
Nickel		14		4.0	mg/Kg	6010B
Vanadium		11		5.0	mg/Kg	6010B
Zinc		19		2.0	mg/Kg	6010B
Arsenic		2.2		0.99	mg/Kg	6010B
Lead		3.6		0.30	mg/Kg	6010B
Selenium		0.66		0.50	mg/Kg	6010B
Percent Solids		96		0.10	%	Moisture
Percent Moisture		4.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11587-7	**ASB-207-2.5-5(20120522)**					
Bis(2-ethylhexyl) phthalate		27	J	380	ug/Kg	8270C
Naphthalene		13	J	380	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		1.5	J	10	mg/Kg	WI-DRO
Aluminum		5500		19	mg/Kg	6010B
Barium		100	B	19	mg/Kg	6010B
Beryllium		0.32	J	0.46	mg/Kg	6010B
Calcium		8900	B	460	mg/Kg	6010B
Cadmium		0.059	J	0.19	mg/Kg	6010B
Cobalt		6.2		4.6	mg/Kg	6010B
Chromium		8.9		0.46	mg/Kg	6010B
Copper		8.2		2.3	mg/Kg	6010B
Iron		9200	B	9.3	mg/Kg	6010B
Potassium		520	B	460	mg/Kg	6010B
Magnesium		3300		460	mg/Kg	6010B
Manganese		490	B	1.4	mg/Kg	6010B
Sodium		350	J	460	mg/Kg	6010B
Nickel		13		3.7	mg/Kg	6010B
Vanadium		16		4.6	mg/Kg	6010B
Zinc		27		1.9	mg/Kg	6010B
Arsenic		3.1		0.93	mg/Kg	6010B
Lead		5.8		0.28	mg/Kg	6010B
Selenium		0.43	J	0.46	mg/Kg	6010B
Mercury		0.024	J	0.12	mg/Kg	7471A
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction	TAL NC		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction	TAL NC		SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)	TAL NC		WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals	TAL NC		SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury	TAL NC		SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	

Lab References:

TAL NC = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method	Analyst	Analyst ID
SW846 8260B	Lata, Todd	TL
SW846 8270C	Ulman, Mark	MU
SW846 8082	Kuster, Rhonda	RK
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Musselman, Natalie J	NJM
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Nicholas, Courtney	CN

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-11587-1	ASB-201-7-9(20120521)	Solid	05/21/2012 1120	05/23/2012 0915
240-11587-2	ASB-202-8-10(20120521)	Solid	05/21/2012 1320	05/23/2012 0915
240-11587-3	ASB-203-5-9(20120521)	Solid	05/21/2012 1600	05/23/2012 0915
240-11587-4	ASB-204-2.5-5(20120522)	Solid	05/22/2012 1000	05/23/2012 0915
240-11587-5	ASB-205-2.5-5(20120522)	Solid	05/22/2012 1245	05/23/2012 0915
240-11587-6	ASB-206-2-5(20120522)	Solid	05/22/2012 1425	05/23/2012 0915
240-11587-7	ASB-207-2.5-5(20120522)	Solid	05/22/2012 1440	05/23/2012 0915

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-201-7-9(20120521)**

Lab Sample ID: 240-11587-1 Date Sampled: 05/21/2012 1120
Client Matrix: Solid % Moisture: 8.4 Date Received: 05/23/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88994.D
Dilution:	1.0			Initial Weight/Volume:	9.943 g
Analysis Date:	06/02/2012 0456			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.8	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		19	270
1,1-Dichloroethene		ND		20	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		8.0	270
1,2,4-Trimethylbenzene		ND		5.5	270
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.4	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		9.0	270
1,3,5-Trimethylbenzene		ND		6.4	270
1,3-Dichlorobenzene		ND		5.3	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.8	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.9	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		58	550
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		21	270
Bromomethane		ND		32	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		7.0	270
Chlorobenzene		ND		7.0	270
Chloroethane		ND		67	270
Chloroform		ND		9.7	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.6	270
cis-1,3-Dichloropropene		ND		8.7	270
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-201-7-9(20120521)**

Lab Sample ID: 240-11587-1 Date Sampled: 05/21/2012 1120
Client Matrix: Solid % Moisture: 8.4 Date Received: 05/23/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88994.D
Dilution:	1.0			Initial Weight/Volume:	9.943 g
Analysis Date:	06/02/2012 0456			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		64	J B	18	270
Dichlorofluoromethane		ND		27	550
Ethyl ether		ND		16	550
Ethylbenzene		ND		5.9	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.1	270
Methyl acetate		ND		27	550
Methyl tert butyl ether		ND		7.8	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		85	270
m-Xylene & p-Xylene		ND		6.8	550
Naphthalene		9.5	J	7.4	270
n-Butylbenzene		ND		8.8	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.3	270
p-Isopropyltoluene		ND		5.3	270
sec-Butylbenzene		ND		5.2	270
Styrene		ND		6.1	270
tert-Butylbenzene		ND		7.1	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	270
trans-1,2-Dichloroethene		ND		10	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		ND		11	270
Trichlorofluoromethane		ND		18	270
Vinyl chloride		ND	*	20	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		39 - 128
4-Bromofluorobenzene (Surr)	110		26 - 141
Dibromofluoromethane (Surr)	100		30 - 122
Toluene-d8 (Surr)	99		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-202-8-10(20120521)**

Lab Sample ID: 240-11587-2 Date Sampled: 05/21/2012 1320
Client Matrix: Solid % Moisture: 12.1 Date Received: 05/23/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88995.D
Dilution:	1.0			Initial Weight/Volume:	11.565 g
Analysis Date:	06/02/2012 0517			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.0	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.8	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		38	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		9.8	250
1,2,3-Trichlorobenzene		ND		9.8	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.2	250
1,2,4-Trimethylbenzene		ND		4.9	250
1,2-Dibromo-3-Chloropropane		ND		49	490
1,2-Dibromoethane		ND		9.8	250
1,2-Dichlorobenzene		ND		8.5	250
1,2-Dichloroethane		ND		9.8	250
1,2-Dichloropropane		ND		8.1	250
1,3,5-Trimethylbenzene		ND		5.7	250
1,3-Dichlorobenzene		ND		4.7	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		7.9	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		42	980
2-Chlorotoluene		ND		8.9	250
2-Hexanone		ND		20	980
Allyl chloride		ND		52	490
4-Chlorotoluene		ND		9.7	250
4-Methyl-2-pentanone (MIBK)		ND		47	980
Acetone		ND		170	980
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.7	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.3	250
Chlorobenzene		ND		6.3	250
Chloroethane		ND		60	250
Chloroform		ND		8.7	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.8	250
cis-1,3-Dichloropropene		ND		7.8	250
Cyclohexane		ND		39	490
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-202-8-10(20120521)**

Lab Sample ID: 240-11587-2 Date Sampled: 05/21/2012 1320
Client Matrix: Solid % Moisture: 12.1 Date Received: 05/23/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88995.D
Dilution:	1.0			Initial Weight/Volume:	11.565 g
Analysis Date:	06/02/2012 0517			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		33	J B	16	250
Dichlorofluoromethane		ND		25	490
Ethyl ether		ND		15	490
Ethylbenzene		ND		5.3	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.4	250
Methyl acetate		410	J	25	490
Methyl tert butyl ether		ND		7.0	980
Methylcyclohexane		ND		12	490
Methylene Chloride		ND		76	250
m-Xylene & p-Xylene		ND		6.1	490
Naphthalene		ND		6.6	250
n-Butylbenzene		ND		7.9	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.4	250
p-Isopropyltoluene		ND		4.7	250
sec-Butylbenzene		ND		4.6	250
Styrene		ND		5.5	250
tert-Butylbenzene		ND		6.4	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		48	980
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.1	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		16	J	9.5	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND	*	18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		39 - 128
4-Bromofluorobenzene (Surr)	99		26 - 141
Dibromofluoromethane (Surr)	88		30 - 122
Toluene-d8 (Surr)	91		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88996.D
Dilution:	1.0			Initial Weight/Volume:	8.969 g
Analysis Date:	06/02/2012 0538			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		46	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		21	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.7	300
1,2,4-Trimethylbenzene		ND		6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.8	300
1,3,5-Trimethylbenzene		ND		6.9	300
1,3-Dichlorobenzene		ND		5.7	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.5	300
2,2-Dichloropropane		ND		27	300
2-Butanone (MEK)		ND		51	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		63	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		57	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		15	300
Bromochloromethane		ND		15	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.6	300
Chlorobenzene		ND		7.6	300
Chloroethane		ND		73	300
Chloroform		ND		10	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.2	300
cis-1,3-Dichloropropene		ND		9.4	300
Cyclohexane		ND		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88996.D
Dilution:	1.0			Initial Weight/Volume:	8.969 g
Analysis Date:	06/02/2012 0538			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		21	J B	19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		ND		6.4	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.7	300
Methyl acetate		ND		30	600
Methyl tert butyl ether		ND		8.5	1200
Methylcyclohexane		ND		14	600
Methylene Chloride		ND		92	300
m-Xylene & p-Xylene		ND		7.4	600
Naphthalene		ND		8.0	300
n-Butylbenzene		ND		9.5	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.7	300
sec-Butylbenzene		ND		5.6	300
Styrene		ND		6.7	300
tert-Butylbenzene		ND		7.7	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		58	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND	*	21	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		39 - 128
4-Bromofluorobenzene (Surr)	103		26 - 141
Dibromofluoromethane (Surr)	96		30 - 122
Toluene-d8 (Surr)	97		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604029.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/04/2012 2041			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		29	350
2,2'-oxybis[1-chloropropane]		ND		10	350
2,4,5-Trichlorophenol		ND		27	350
2,4,6-Trichlorophenol		ND		85	350
2,4-Dichlorophenol		ND		21	350
2,4-Dimethylphenol		ND		21	350
2,4-Dinitrophenol		ND		85	1700
2,4-Dinitrotoluene		ND		29	350
2,6-Dinitrotoluene		ND		22	350
2-Chloronaphthalene		ND		3.5	350
2-Chlorophenol		ND		29	350
2-Methylnaphthalene		ND		3.5	350
2-Methylphenol		ND		85	350
2-Nitroaniline		ND		9.7	1700
2-Nitrophenol		ND		29	350
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		85	1700
4-Bromophenyl phenyl ether		ND		14	350
4-Chloro-3-methylphenol		ND		22	350
4-Chloroaniline		ND		18	350
4-Chlorophenyl phenyl ether		ND		14	350
4-Nitroaniline		ND		28	1700
4-Nitrophenol		ND		85	1700
Acenaphthene		ND		3.5	350
Acenaphthylene		ND		3.5	350
Acetophenone		ND		9.8	350
Anthracene		ND		3.5	350
Atrazine		ND		9.7	350
Benzaldehyde		ND		13	350
Benzo[a]anthracene		ND		3.5	350
Benzo[a]pyrene		ND		3.5	350
Benzo[b]fluoranthene		ND		3.5	350
Benzo[g,h,i]perylene		ND		3.5	350
Benzo[k]fluoranthene		ND		3.5	350
Bis(2-chloroethoxy)methane		ND		23	350
Bis(2-chloroethyl)ether		ND		2.1	350
Bis(2-ethylhexyl) phthalate		30	J	20	350
Butyl benzyl phthalate		ND		11	350
Caprolactam		ND		39	350
Carbazole		ND		29	350
Chrysene		ND		1.2	350
Dibenz(a,h)anthracene		ND		3.5	350
Dibenzofuran		ND		3.5	350
Diethyl phthalate		ND		17	350
Dimethyl phthalate		ND		18	350

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604029.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/04/2012 2041			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	350
Di-n-octyl phthalate		ND		29	350
Fluoranthene		ND		3.5	350
Fluorene		ND		3.5	350
Hexachlorobenzene		ND		2.2	350
Hexachlorobutadiene		ND		29	350
Hexachlorocyclopentadiene		ND		29	1700
Hexachloroethane		ND		9.6	350
Indeno[1,2,3-cd]pyrene		ND		3.5	350
Isophorone		ND		14	350
Naphthalene		12	J	3.5	350
Nitrobenzene		ND		2.3	350
N-Nitrosodi-n-propylamine		ND		29	350
N-Nitrosodiphenylamine		ND		22	350
Pentachlorophenol		ND		85	350
Phenol		ND		29	350
Phenanthrene		ND		3.5	350
Pyrene		ND		3.5	350
3 & 4 Methylphenol		ND		21	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	71		26 - 110
2,4,6-Tribromophenol (Surr)	70		10 - 118
Nitrobenzene-d5 (Surr)	55		24 - 112
Phenol-d5 (Surr)	75		28 - 110
Terphenyl-d14 (Surr)	78		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-204-2.5-5(20120522)**

Lab Sample ID: 240-11587-4 Date Sampled: 05/22/2012 1000
Client Matrix: Solid % Moisture: 9.0 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604030.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	06/04/2012 2100			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	360
2,2'-oxybis[1-chloropropane]		ND		10	360
2,4,5-Trichlorophenol		ND		27	360
2,4,6-Trichlorophenol		ND		88	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND		88	1800
2,4-Dinitrotoluene		ND		30	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		30	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		88	360
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	360
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		88	1800
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		19	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		88	1800
Acenaphthene		ND		3.6	360
Acenaphthylene		ND		3.6	360
Acetophenone		ND		10	360
Anthracene		ND		3.6	360
Atrazine		ND		10	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		ND		3.6	360
Benzo[a]pyrene		ND		3.6	360
Benzo[b]fluoranthene		ND		3.6	360
Benzo[g,h,i]perylene		ND		3.6	360
Benzo[k]fluoranthene		ND		3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		24	J	21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		41	360
Carbazole		ND		30	360
Chrysene		ND		1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		18	360
Dimethyl phthalate		ND		19	360

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-204-2.5-5(20120522)**

Lab Sample ID: 240-11587-4 Date Sampled: 05/22/2012 1000
Client Matrix: Solid % Moisture: 9.0 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604030.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	06/04/2012 2100			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	360
Di-n-octyl phthalate		ND		30	360
Fluoranthene		ND		3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		30	360
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		9.9	360
Indeno[1,2,3-cd]pyrene		ND		3.6	360
Isophorone		ND		14	360
Naphthalene		12	J	3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		30	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		88	360
Phenol		ND		30	360
Phenanthrene		ND		3.6	360
Pyrene		ND		3.6	360
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
2,4,6-Tribromophenol (Surr)	58		10 - 118
Nitrobenzene-d5 (Surr)	52		24 - 112
Phenol-d5 (Surr)	65		28 - 110
Terphenyl-d14 (Surr)	81		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-205-2.5-5(20120522)**

Lab Sample ID: 240-11587-5 Date Sampled: 05/22/2012 1245
Client Matrix: Solid % Moisture: 21.0 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605034.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/05/2012 2125			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		34	420
2,2'-oxybis[1-chloropropane]		ND		12	420
2,4,5-Trichlorophenol		ND		32	420
2,4,6-Trichlorophenol		ND		100	420
2,4-Dichlorophenol		ND		25	420
2,4-Dimethylphenol		ND		25	420
2,4-Dinitrophenol		ND		100	2000
2,4-Dinitrotoluene		ND		34	420
2,6-Dinitrotoluene		ND		27	420
2-Chloronaphthalene		ND		4.2	420
2-Chlorophenol		ND		34	420
2-Methylnaphthalene		ND		4.2	420
2-Methylphenol		ND		100	420
2-Nitroaniline		ND		12	2000
2-Nitrophenol		ND		34	420
3,3'-Dichlorobenzidine		ND		23	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		100	2000
4-Bromophenyl phenyl ether		ND		16	420
4-Chloro-3-methylphenol		ND		27	420
4-Chloroaniline		ND		22	420
4-Chlorophenyl phenyl ether		ND		16	420
4-Nitroaniline		ND		33	2000
4-Nitrophenol		ND		100	2000
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Acetophenone		ND		12	420
Anthracene		ND		4.2	420
Atrazine		ND		12	420
Benzaldehyde		ND		15	420
Benzo[a]anthracene		9.5	J	4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		10	J	4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Bis(2-chloroethoxy)methane		ND		28	420
Bis(2-chloroethyl)ether		ND		2.5	420
Bis(2-ethylhexyl) phthalate		120	J	24	420
Butyl benzyl phthalate		45	J	13	420
Caprolactam		ND		47	420
Carbazole		ND		34	420
Chrysene		9.3	J	1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Dibenzofuran		ND		4.2	420
Diethyl phthalate		ND		20	420
Dimethyl phthalate		ND		22	420

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-205-2.5-5(20120522)**

Lab Sample ID: 240-11587-5 Date Sampled: 05/22/2012 1245
Client Matrix: Solid % Moisture: 21.0 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605034.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/05/2012 2125			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	420
Di-n-octyl phthalate		ND		34	420
Fluoranthene		13	J	4.2	420
Fluorene		ND		4.2	420
Hexachlorobenzene		ND		2.7	420
Hexachlorobutadiene		ND		34	420
Hexachlorocyclopentadiene		ND		34	2000
Hexachloroethane		ND		11	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Isophorone		ND		16	420
Naphthalene		ND		4.2	420
Nitrobenzene		ND		2.8	420
N-Nitrosodi-n-propylamine		ND		34	420
N-Nitrosodiphenylamine		ND		27	420
Pentachlorophenol		ND		100	420
Phenol		ND		34	420
Phenanthrene		ND		4.2	420
Pyrene		13	J	4.2	420
3 & 4 Methylphenol		ND		25	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	52		34 - 110
2-Fluorophenol (Surr)	63		26 - 110
2,4,6-Tribromophenol (Surr)	52		10 - 118
Nitrobenzene-d5 (Surr)	52		24 - 112
Phenol-d5 (Surr)	67		28 - 110
Terphenyl-d14 (Surr)	92		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-206-2-5(20120522)**

Lab Sample ID: 240-11587-6 Date Sampled: 05/22/2012 1425
Client Matrix: Solid % Moisture: 4.2 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604032.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	06/04/2012 2139			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		28	340
2,2'-oxybis[1-chloropropane]		ND		9.9	340
2,4,5-Trichlorophenol		ND		26	340
2,4,6-Trichlorophenol		ND		83	340
2,4-Dichlorophenol		ND		21	340
2,4-Dimethylphenol		ND		21	340
2,4-Dinitrophenol		ND		83	1700
2,4-Dinitrotoluene		ND		28	340
2,6-Dinitrotoluene		ND		22	340
2-Chloronaphthalene		ND		3.4	340
2-Chlorophenol		ND		28	340
2-Methylnaphthalene		ND		3.4	340
2-Methylphenol		ND		83	340
2-Nitroaniline		ND		9.5	1700
2-Nitrophenol		ND		28	340
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		83	1700
4-Bromophenyl phenyl ether		ND		14	340
4-Chloro-3-methylphenol		ND		22	340
4-Chloroaniline		ND		18	340
4-Chlorophenyl phenyl ether		ND		14	340
4-Nitroaniline		ND		27	1700
4-Nitrophenol		ND		83	1700
Acenaphthene		ND		3.4	340
Acenaphthylene		ND		3.4	340
Acetophenone		ND		9.6	340
Anthracene		ND		3.4	340
Atrazine		ND		9.5	340
Benzaldehyde		ND		13	340
Benzo[a]anthracene		ND		3.4	340
Benzo[a]pyrene		ND		3.4	340
Benzo[b]fluoranthene		7.0	J	3.4	340
Benzo[g,h,i]perylene		ND		3.4	340
Benzo[k]fluoranthene		ND		3.4	340
Bis(2-chloroethoxy)methane		ND		23	340
Bis(2-chloroethyl)ether		ND		2.1	340
Bis(2-ethylhexyl) phthalate		33	J	20	340
Butyl benzyl phthalate		ND		10	340
Caprolactam		ND		39	340
Carbazole		ND		28	340
Chrysene		ND		1.1	340
Dibenz(a,h)anthracene		ND		3.4	340
Dibenzofuran		ND		3.4	340
Diethyl phthalate		ND		17	340
Dimethyl phthalate		ND		18	340

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-206-2-5(20120522)**

Lab Sample ID: 240-11587-6 Date Sampled: 05/22/2012 1425
Client Matrix: Solid % Moisture: 4.2 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604032.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Analysis Date:	06/04/2012 2139			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	340
Di-n-octyl phthalate		ND		28	340
Fluoranthene		ND		3.4	340
Fluorene		ND		3.4	340
Hexachlorobenzene		ND		2.2	340
Hexachlorobutadiene		ND		28	340
Hexachlorocyclopentadiene		ND		28	1700
Hexachloroethane		ND		9.4	340
Indeno[1,2,3-cd]pyrene		ND		3.4	340
Isophorone		ND		14	340
Naphthalene		11	J	3.4	340
Nitrobenzene		ND		2.3	340
N-Nitrosodi-n-propylamine		ND		28	340
N-Nitrosodiphenylamine		ND		22	340
Pentachlorophenol		ND		83	340
Phenol		ND		28	340
Phenanthrene		ND		3.4	340
Pyrene		ND		3.4	340
3 & 4 Methylphenol		ND		21	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	42		34 - 110
2-Fluorophenol (Surr)	51		26 - 110
2,4,6-Tribromophenol (Surr)	71		10 - 118
Nitrobenzene-d5 (Surr)	42		24 - 112
Phenol-d5 (Surr)	54		28 - 110
Terphenyl-d14 (Surr)	80		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-207-2.5-5(20120522)**

Lab Sample ID: 240-11587-7 Date Sampled: 05/22/2012 1440
Client Matrix: Solid % Moisture: 13.9 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604033.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/04/2012 2159			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		31	380
2,2'-oxybis[1-chloropropane]		ND		11	380
2,4,5-Trichlorophenol		ND		29	380
2,4,6-Trichlorophenol		ND		93	380
2,4-Dichlorophenol		ND		23	380
2,4-Dimethylphenol		ND		23	380
2,4-Dinitrophenol		ND		93	1900
2,4-Dinitrotoluene		ND		31	380
2,6-Dinitrotoluene		ND		24	380
2-Chloronaphthalene		ND		3.8	380
2-Chlorophenol		ND		31	380
2-Methylnaphthalene		ND		3.8	380
2-Methylphenol		ND		93	380
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		31	380
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		93	1900
4-Bromophenyl phenyl ether		ND		15	380
4-Chloro-3-methylphenol		ND		24	380
4-Chloroaniline		ND		20	380
4-Chlorophenyl phenyl ether		ND		15	380
4-Nitroaniline		ND		30	1900
4-Nitrophenol		ND		93	1900
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Acetophenone		ND		11	380
Anthracene		ND		3.8	380
Atrazine		ND		11	380
Benzaldehyde		ND		14	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Bis(2-chloroethoxy)methane		ND		26	380
Bis(2-chloroethyl)ether		ND		2.3	380
Bis(2-ethylhexyl) phthalate		27	J	22	380
Butyl benzyl phthalate		ND		12	380
Caprolactam		ND		43	380
Carbazole		ND		31	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Dibenzofuran		ND		3.8	380
Diethyl phthalate		ND		19	380
Dimethyl phthalate		ND		20	380

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-207-2.5-5(20120522)**

Lab Sample ID: 240-11587-7 Date Sampled: 05/22/2012 1440
Client Matrix: Solid % Moisture: 13.9 Date Received: 05/23/2012 0915

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20604033.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/04/2012 2159			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	380
Di-n-octyl phthalate		ND		31	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Hexachlorobenzene		ND		2.4	380
Hexachlorobutadiene		ND		31	380
Hexachlorocyclopentadiene		ND		31	1900
Hexachloroethane		ND		10	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Isophorone		ND		15	380
Naphthalene		13	J	3.8	380
Nitrobenzene		ND		2.6	380
N-Nitrosodi-n-propylamine		ND		31	380
N-Nitrosodiphenylamine		ND		24	380
Pentachlorophenol		ND		93	380
Phenol		ND		31	380
Phenanthrene		ND		3.8	380
Pyrene		ND		3.8	380
3 & 4 Methylphenol		ND		23	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	46		34 - 110
2-Fluorophenol (Surr)	61		26 - 110
2,4,6-Tribromophenol (Surr)	70		10 - 118
Nitrobenzene-d5 (Surr)	47		24 - 112
Phenol-d5 (Surr)	63		28 - 110
Terphenyl-d14 (Surr)	82		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-45836	Initial Weight/Volume:	29.98 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2012 1321			Injection Volume:	1 mL
Prep Date:	05/31/2012 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		22	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		29 - 151
DCB Decachlorobiphenyl	70		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60407.D
Dilution:	1.0			Initial Weight/Volume:	27.1 g
Analysis Date:	06/04/2012 1240			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		1.6	J	1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-204-2.5-5(20120522)**

Lab Sample ID: 240-11587-4 Date Sampled: 05/22/2012 1000
Client Matrix: Solid % Moisture: 9.0 Date Received: 05/23/2012 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60408.D
Dilution:	1.0			Initial Weight/Volume:	27.28 g
Analysis Date:	06/04/2012 1311			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.6	J	1.2	9.7

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-205-2.5-5(20120522)**

Lab Sample ID: 240-11587-5 Date Sampled: 05/22/2012 1245
Client Matrix: Solid % Moisture: 21.0 Date Received: 05/23/2012 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60409.D
Dilution:	1.0			Initial Weight/Volume:	25.2 g
Analysis Date:	06/04/2012 1343			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.6	J	1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-206-2-5(20120522)**

Lab Sample ID: 240-11587-6 Date Sampled: 05/22/2012 1425
Client Matrix: Solid % Moisture: 4.2 Date Received: 05/23/2012 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60410.D
Dilution:	1.0			Initial Weight/Volume:	26.69 g
Analysis Date:	06/04/2012 1414			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		4.2	J	1.2	9.4

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-207-2.5-5(20120522)**

Lab Sample ID: 240-11587-7 Date Sampled: 05/22/2012 1440
Client Matrix: Solid % Moisture: 13.9 Date Received: 05/23/2012 0915

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60411.D
Dilution:	1.0			Initial Weight/Volume:	26.88 g
Analysis Date:	06/04/2012 1445			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		1.5	J	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-201-7-9(20120521)**

Lab Sample ID: 240-11587-1 Date Sampled: 05/21/2012 1120
Client Matrix: Solid % Moisture: 8.4 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/30/2012 2155			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2700		10	21
Antimony		ND		0.41	1.1
Barium		19	J B	0.075	21
Beryllium		0.069	J	0.046	0.53
Calcium		30000	B	17	530
Cadmium		ND		0.038	0.21
Cobalt		3.2	J	0.17	5.3
Chromium		7.2		0.21	0.53
Copper		7.5		0.78	2.6
Iron		7500	B	5.2	11
Potassium		300	J B	6.6	530
Magnesium		11000		5.4	530
Manganese		150	B	0.078	1.6
Silver		ND		0.11	0.53
Sodium		ND		70	530
Nickel		7.7		0.29	4.2
Vanadium		11		0.13	5.3
Zinc		13		1.1	2.1
Arsenic		1.7		0.32	1.1
Lead		1.7		0.20	0.32
Selenium		0.72		0.48	0.53
Thallium		ND		0.58	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	05/30/2012 1036			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-202-8-10(20120521)**

Lab Sample ID: 240-11587-2 Date Sampled: 05/21/2012 1320
Client Matrix: Solid % Moisture: 12.1 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	05/30/2012 1131			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3300		11	22
Antimony		ND		0.44	1.1
Barium		48	B	0.079	22
Beryllium		0.15	J	0.048	0.56
Calcium		35000	B	18	560
Cadmium		ND		0.040	0.22
Cobalt		6.4		0.18	5.6
Chromium		12		0.22	0.56
Copper		13		0.83	2.8
Iron		11000	B	5.5	11
Potassium		780	B	6.9	560
Magnesium		11000		5.7	560
Manganese		350	B	0.083	1.7
Silver		ND		0.11	0.56
Sodium		ND		74	560
Nickel		12		0.30	4.5
Vanadium		14		0.13	5.6
Zinc		25		1.1	2.2
Arsenic		2.4		0.33	1.1
Lead		3.1		0.21	0.33
Thallium		ND		0.61	1.1

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	05/30/2012 2206			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Selenium		ND		0.50	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	05/30/2012 1045			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600
Client Matrix: Solid % Moisture: 6.3 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	05/30/2012 1136			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2400		9.5	20
Antimony		ND		0.39	0.99
Barium		60	B	0.070	20
Beryllium		0.13	J	0.043	0.49
Calcium		42000	B	16	490
Cadmium		ND		0.036	0.20
Cobalt		5.8		0.16	4.9
Chromium		7.0		0.20	0.49
Copper		7.8		0.73	2.5
Iron		9200	B	4.8	9.9
Potassium		460	J B	6.1	490
Magnesium		9600		5.0	490
Manganese		750	B	0.073	1.5
Silver		ND		0.099	0.49
Sodium		ND		65	490
Nickel		12		0.27	4.0
Vanadium		11		0.12	4.9
Zinc		13		0.99	2.0
Arsenic		2.6		0.30	0.99
Lead		2.7		0.19	0.30
Thallium		ND		0.54	0.99

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	05/30/2012 2212			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Selenium		0.49		0.44	0.49

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	05/30/2012 1046			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-204-2.5-5(20120522)**

Lab Sample ID: 240-11587-4 Date Sampled: 05/22/2012 1000
Client Matrix: Solid % Moisture: 9.0 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	05/30/2012 1142			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3000		10	21
Antimony		ND		0.41	1.1
Barium		61	B	0.075	21
Beryllium		0.16	J	0.045	0.53
Calcium		9200	B	17	530
Cadmium		ND		0.038	0.21
Cobalt		5.1	J	0.17	5.3
Chromium		6.1		0.21	0.53
Copper		5.5		0.78	2.6
Iron		7800	B	5.2	11
Potassium		340	J B	6.6	530
Magnesium		3600		5.4	530
Manganese		440	B	0.078	1.6
Silver		ND		0.11	0.53
Sodium		74	J	70	530
Nickel		11		0.29	4.2
Vanadium		11		0.13	5.3
Zinc		23		1.1	2.1
Arsenic		3.1		0.32	1.1
Lead		3.8		0.20	0.32
Selenium		0.49	J	0.48	0.53
Thallium		ND		0.58	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.70 g
Analysis Date:	05/30/2012 1047			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	J	0.014	0.094

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-205-2.5-5(20120522)**

Lab Sample ID: 240-11587-5 Date Sampled: 05/22/2012 1245
Client Matrix: Solid % Moisture: 21.0 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	05/30/2012 1148			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6400		12	25
Antimony		ND		0.48	1.2
Barium		54	B	0.088	25
Beryllium		0.43	J	0.053	0.62
Calcium		71000	B	20	620
Cadmium		ND		0.045	0.25
Cobalt		11		0.20	6.2
Chromium		13		0.25	0.62
Copper		10		0.92	3.1
Iron		13000	B	6.1	12
Potassium		2800	B	7.7	620
Magnesium		7200		6.3	620
Manganese		600	B	0.092	1.9
Silver		ND		0.12	0.62
Sodium		150	J	82	620
Nickel		16		0.34	5.0
Vanadium		11		0.15	6.2
Zinc		29		1.2	2.5
Arsenic		3.2		0.37	1.2
Lead		8.3		0.24	0.37
Selenium		ND		0.56	0.62
Thallium		ND		0.68	1.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	05/30/2012 1049			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.031	J	0.017	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-206-2-5(20120522)**

Lab Sample ID: 240-11587-6 Date Sampled: 05/22/2012 1425
Client Matrix: Solid % Moisture: 4.2 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	05/30/2012 1205			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2800		9.5	20
Antimony		ND		0.39	0.99
Barium		36	B	0.071	20
Beryllium		0.15	J	0.043	0.50
Calcium		31000	B	16	500
Cadmium		0.038	J	0.036	0.20
Cobalt		6.0		0.16	5.0
Chromium		7.4		0.20	0.50
Copper		7.7		0.74	2.5
Iron		7500	B	4.9	9.9
Potassium		620	B	6.2	500
Magnesium		13000		5.1	500
Manganese		400	B	0.074	1.5
Silver		ND		0.099	0.50
Sodium		67	J	66	500
Nickel		14		0.27	4.0
Vanadium		11		0.12	5.0
Zinc		19		0.99	2.0
Arsenic		2.2		0.30	0.99
Lead		3.6		0.19	0.30
Selenium		0.66		0.45	0.50
Thallium		ND		0.55	0.99

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	05/30/2012 1050			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.014	0.091

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Client Sample ID: **ASB-207-2.5-5(20120522)**

Lab Sample ID: 240-11587-7 Date Sampled: 05/22/2012 1440
Client Matrix: Solid % Moisture: 13.9 Date Received: 05/23/2012 0915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.25 g
Analysis Date:	05/30/2012 1210			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5500		8.9	19
Antimony		ND		0.36	0.93
Barium		100	B	0.066	19
Beryllium		0.32	J	0.040	0.46
Calcium		8900	B	15	460
Cadmium		0.059	J	0.033	0.19
Cobalt		6.2		0.15	4.6
Chromium		8.9		0.19	0.46
Copper		8.2		0.69	2.3
Iron		9200	B	4.6	9.3
Potassium		520	B	5.8	460
Magnesium		3300		4.7	460
Manganese		490	B	0.069	1.4
Silver		ND		0.093	0.46
Sodium		350	J	61	460
Nickel		13		0.25	3.7
Vanadium		16		0.11	4.6
Zinc		27		0.93	1.9
Arsenic		3.1		0.28	0.93
Lead		5.8		0.18	0.28
Selenium		0.43	J	0.42	0.46
Thallium		ND		0.51	0.93

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	05/30/2012 1051			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	J	0.018	0.12

General Chemistry

Client Sample ID: **ASB-201-7-9(20120521)**

Lab Sample ID: 240-11587-1 Date Sampled: 05/21/2012 1120

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	8.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-202-8-10(20120521)**

Lab Sample ID: 240-11587-2 Date Sampled: 05/21/2012 1320

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-203-5-9(20120521)**

Lab Sample ID: 240-11587-3 Date Sampled: 05/21/2012 1600

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	6.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-204-2.5-5(20120522)**

Lab Sample ID: 240-11587-4 Date Sampled: 05/22/2012 1000

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	9.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-205-2.5-5(20120522)**

Lab Sample ID: 240-11587-5 Date Sampled: 05/22/2012 1245

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-206-2-5(20120522)**

Lab Sample ID: 240-11587-6 Date Sampled: 05/22/2012 1425

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	4.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-207-2.5-5(20120522)**

Lab Sample ID: 240-11587-7 Date Sampled: 05/22/2012 1440

Client Matrix: Solid Date Received: 05/23/2012 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45223	Analysis Date: 05/24/2012 1302						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-45549					
LCS 240-45549/2-A	Lab Control Sample	T	Solid	5035	
MB 240-45549/1-A	Method Blank	T	Solid	5035	
240-11587-1	ASB-201-7-9(20120521)	T	Solid	5035	
240-11587-2	ASB-202-8-10(20120521)	T	Solid	5035	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	5035	
Analysis Batch:240-46058					
LCS 240-45549/2-A	Lab Control Sample	T	Solid	8260B	240-45549
MB 240-45549/1-A	Method Blank	T	Solid	8260B	240-45549
240-11587-1	ASB-201-7-9(20120521)	T	Solid	8260B	240-45549
240-11587-2	ASB-202-8-10(20120521)	T	Solid	8260B	240-45549
240-11587-3	ASB-203-5-9(20120521)	T	Solid	8260B	240-45549

Report Basis
T = Total

GC/MS Semi VOA

Prep Batch: 240-45822					
LCS 240-45822/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-45822/22-A	Method Blank	T	Solid	3540C	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	3540C	
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	3540C	
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	3540C	
240-11587-6	ASB-206-2-5(20120522)	T	Solid	3540C	
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	3540C	
240-11631-C-1-E MS	Matrix Spike	T	Solid	3540C	
240-11631-C-1-F MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-46117					
LCS 240-45822/23-A	Lab Control Sample	T	Solid	8270C	240-45822
240-11587-3	ASB-203-5-9(20120521)	T	Solid	8270C	240-45822
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	8270C	240-45822
240-11587-6	ASB-206-2-5(20120522)	T	Solid	8270C	240-45822
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	8270C	240-45822
Analysis Batch:240-46255					
MB 240-45822/22-A	Method Blank	T	Solid	8270C	240-45822
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	8270C	240-45822
240-11631-C-1-E MS	Matrix Spike	T	Solid	8270C	240-45822
240-11631-C-1-F MSD	Matrix Spike Duplicate	T	Solid	8270C	240-45822

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-45836					
LCS 240-45836/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-45836/24-A	Method Blank	T	Solid	3540C	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	3540C	
240-11631-D-1-F MS	Matrix Spike	T	Solid	3540C	
240-11631-D-1-G MSD	Matrix Spike Duplicate	T	Solid	3540C	
Prep Batch: 240-45889					
LCS 240-45889/14-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-45889/15-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-45889/13-A	Method Blank	T	Solid	WI DRO PREP	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	WI DRO PREP	
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	WI DRO PREP	
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	WI DRO PREP	
240-11587-6	ASB-206-2-5(20120522)	T	Solid	WI DRO PREP	
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	WI DRO PREP	
Analysis Batch:240-46054					
LCS 240-45836/23-A	Lab Control Sample	T	Solid	8082	240-45836
MB 240-45836/24-A	Method Blank	T	Solid	8082	240-45836
240-11587-3	ASB-203-5-9(20120521)	T	Solid	8082	240-45836
240-11631-D-1-F MS	Matrix Spike	T	Solid	8082	240-45836
240-11631-D-1-G MSD	Matrix Spike Duplicate	T	Solid	8082	240-45836
Analysis Batch:240-46146					
LCSD 240-45889/15-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-45889
MB 240-45889/13-A	Method Blank	T	Solid	WI-DRO	240-45889
240-11587-3	ASB-203-5-9(20120521)	T	Solid	WI-DRO	240-45889
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	WI-DRO	240-45889
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	WI-DRO	240-45889
240-11587-6	ASB-206-2-5(20120522)	T	Solid	WI-DRO	240-45889
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	WI-DRO	240-45889
Analysis Batch:240-46253					
LCS 240-45889/14-A	Lab Control Sample	T	Solid	WI-DRO	240-45889

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-45177					
LCS 240-45177/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-45177/1-A	Method Blank	T	Solid	3050B	
240-11587-1	ASB-201-7-9(20120521)	T	Solid	3050B	
240-11587-1MS	Matrix Spike	T	Solid	3050B	
240-11587-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-11587-2	ASB-202-8-10(20120521)	T	Solid	3050B	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	3050B	
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	3050B	
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	3050B	
240-11587-6	ASB-206-2-5(20120522)	T	Solid	3050B	
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	3050B	
Prep Batch: 240-45207					
LCS 240-45207/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-45207/1-A	Method Blank	T	Solid	7471A	
240-11587-1	ASB-201-7-9(20120521)	T	Solid	7471A	
240-11587-1MS	Matrix Spike	T	Solid	7471A	
240-11587-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-11587-2	ASB-202-8-10(20120521)	T	Solid	7471A	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	7471A	
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	7471A	
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	7471A	
240-11587-6	ASB-206-2-5(20120522)	T	Solid	7471A	
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	7471A	
Analysis Batch:240-45754					
LCS 240-45207/2-A	Lab Control Sample	T	Solid	7471A	240-45207
MB 240-45207/1-A	Method Blank	T	Solid	7471A	240-45207
240-11587-1	ASB-201-7-9(20120521)	T	Solid	7471A	240-45207
240-11587-1MS	Matrix Spike	T	Solid	7471A	240-45207
240-11587-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-45207
240-11587-2	ASB-202-8-10(20120521)	T	Solid	7471A	240-45207
240-11587-3	ASB-203-5-9(20120521)	T	Solid	7471A	240-45207
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	7471A	240-45207
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	7471A	240-45207
240-11587-6	ASB-206-2-5(20120522)	T	Solid	7471A	240-45207
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	7471A	240-45207

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-45827					
LCS 240-45177/2-A	Lab Control Sample	T	Solid	6010B	240-45177
MB 240-45177/1-A	Method Blank	T	Solid	6010B	240-45177
240-11587-1	ASB-201-7-9(20120521)	T	Solid	6010B	240-45177
240-11587-1MS	Matrix Spike	T	Solid	6010B	240-45177
240-11587-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-45177
240-11587-2	ASB-202-8-10(20120521)	T	Solid	6010B	240-45177
240-11587-3	ASB-203-5-9(20120521)	T	Solid	6010B	240-45177
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	6010B	240-45177
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	6010B	240-45177
240-11587-6	ASB-206-2-5(20120522)	T	Solid	6010B	240-45177
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	6010B	240-45177

Report Basis
T = Total

General Chemistry					
Analysis Batch:240-45223					
240-11587-1	ASB-201-7-9(20120521)	T	Solid	Moisture	
240-11587-2	ASB-202-8-10(20120521)	T	Solid	Moisture	
240-11587-3	ASB-203-5-9(20120521)	T	Solid	Moisture	
240-11587-4	ASB-204-2.5-5(20120522)	T	Solid	Moisture	
240-11587-4DU	Duplicate	T	Solid	Moisture	
240-11587-5	ASB-205-2.5-5(20120522)	T	Solid	Moisture	
240-11587-6	ASB-206-2-5(20120522)	T	Solid	Moisture	
240-11587-7	ASB-207-2.5-5(20120522)	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-11587-1	ASB-201-7-9(20120521)	116	110	100	99
240-11587-2	ASB-202-8-10(20120521)	102	99	88	91
240-11587-3	ASB-203-5-9(20120521)	105	103	96	97
MB 240-45549/1-A		107	102	95	94
LCS 240-45549/2-A		104	100	97	92
MRL 240-46058/5		87	94	90	92

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-11587-3	ASB-203-5-9(20120521)	52	71	70	55	75	78
240-11587-4	ASB-204-2.5-5(20120522)	52	63	58	52	65	81
240-11587-5	ASB-205-2.5-5(20120522)	52	63	52	52	67	92
240-11587-6	ASB-206-2-5(20120522)	42	51	71	42	54	80
240-11587-7	ASB-207-2.5-5(20120522)	46	61	70	47	63	82
MB 240-45822/22-A		67	82	72	70	84	101
LCS 240-45822/23-A		56	72	75	57	73	81
240-11631-C-1-E MS		61	68	66	60	73	91
240-11631-C-1-F MSD		68	83	81	66	87	92

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc.

Job Number: 240-11587-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-11587-3	ASB-203-5-9(20120521)	73	70
MB 240-45836/24-A		91	67
LCS 240-45836/23-A		101	87
240-11631-D-1-F MS		81	78
240-11631-D-1-G MSD		76	77

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Method Blank - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-45549/1-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dibromoethane	ND		10	250
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Butanone (MEK)	ND		43	1000
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromodichloromethane	ND		9.9	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Cyclohexane	ND		40	500
Chlorodibromomethane	ND		12	250

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Blank - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-45549/1-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibromomethane	ND		14	250
Dichlorodifluoromethane	18.9	J	16	250
Dichlorofluoromethane	ND		25	500
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
Methyl tert butyl ether	ND		7.1	1000
Methylcyclohexane	ND		12	500
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	ND		6.2	500
Naphthalene	ND		6.7	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	39 - 128
4-Bromofluorobenzene (Surr)	102	26 - 141
Dibromofluoromethane (Surr)	95	30 - 122
Toluene-d8 (Surr)	94	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Control Sample - Batch: 240-45549

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-45549/2-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88993.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	347	69	27 - 121	
1,1,1-Trichloroethane	500	446	89	38 - 122	
1,1,2,2-Tetrachloroethane	500	485	97	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	520	104	48 - 151	
1,1,2-Trichloroethane	500	530	106	74 - 114	
1,1-Dichloroethane	500	545	109	63 - 117	
1,1-Dichloroethene	500	520	104	44 - 143	
1,1-Dichloropropene	500	535	107	60 - 123	
1,2,3-Trichlorobenzene	500	437	87	43 - 129	
1,2,3-Trichloropropane	500	540	108	74 - 124	
1,2,4-Trichlorobenzene	500	421	84	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	271	54	10 - 129	J
1,2-Dibromoethane	500	435	87	47 - 123	
1,2-Dichlorobenzene	500	484	97	68 - 118	
1,2-Dichloroethane	500	540	108	68 - 119	
1,2-Dichloropropane	500	545	109	73 - 113	
1,3,5-Trimethylbenzene	500	493	99	60 - 130	
1,3-Dichlorobenzene	500	490	98	66 - 121	
1,3-Dichloropropane	500	505	101	74 - 119	
1,4-Dichlorobenzene	500	471	94	65 - 119	
2,2-Dichloropropane	500	373	75	25 - 123	
2-Butanone (MEK)	1000	1040	104	10 - 199	
2-Chlorotoluene	500	497	99	68 - 122	
2-Hexanone	1000	990	99	43 - 130	J
4-Chlorotoluene	500	505	101	68 - 122	
4-Methyl-2-pentanone (MIBK)	1000	1050	105	49 - 121	
Acetone	1000	1040	104	16 - 156	
Benzene	500	520	104	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	505	101	56 - 128	
Bromodichloromethane	500	407	81	28 - 123	
Bromoform	500	333	67	10 - 117	
Bromomethane	500	238	48	10 - 114	J
Carbon disulfide	500	367	73	10 - 132	
Carbon tetrachloride	500	332	66	29 - 118	
Chlorobenzene	500	500	100	71 - 116	
Chloroethane	500	349	70	10 - 120	
Chloroform	500	510	102	63 - 116	
Chloromethane	500	510	102	25 - 110	
cis-1,2-Dichloroethene	500	510	102	60 - 125	

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Control Sample - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-45549/2-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88993.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	500	355	71	25 - 120	
Cyclohexane	500	495	99	40 - 120	J
Chlorodibromomethane	500	327	65	22 - 113	
Dibromomethane	500	540	108	68 - 118	
Dichlorodifluoromethane	500	408	82	10 - 110	
Ethyl ether	500	590	118	70 - 130	
Ethylbenzene	500	520	104	66 - 119	
Hexachlorobutadiene	500	430	86	34 - 135	
Isopropylbenzene	500	494	99	61 - 123	
Methyl acetate	500	680	136	44 - 173	
Methyl tert butyl ether	500	540	108	34 - 157	J
Methylcyclohexane	500	486	97	41 - 133	J
Methylene Chloride	500	505	101	27 - 172	
m-Xylene & p-Xylene	1000	1000	100	67 - 118	
Naphthalene	500	419	84	37 - 126	
n-Butylbenzene	500	491	98	51 - 137	
N-Propylbenzene	500	515	103	64 - 130	
o-Xylene	500	515	103	68 - 120	
p-Isopropyltoluene	500	510	102	56 - 136	
sec-Butylbenzene	500	481	96	58 - 131	
Styrene	500	500	100	60 - 120	
tert-Butylbenzene	500	460	92	58 - 128	
Tetrachloroethene	500	494	99	58 - 131	
Tetrahydrofuran	500	478	96	70 - 130	J
Toluene	500	492	98	66 - 123	
trans-1,2-Dichloroethene	500	505	101	58 - 121	
trans-1,3-Dichloropropene	500	366	73	22 - 122	
Trichloroethene	500	498	100	59 - 124	
Trichlorofluoromethane	500	515	103	17 - 145	
Vinyl chloride	500	605	121	33 - 110	*

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	39 - 128
4-Bromofluorobenzene (Surr)	100	26 - 141
Dibromofluoromethane (Surr)	97	30 - 122
Toluene-d8 (Surr)	92	33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Reporting Limit Check - Batch: 240-46058 **Method: 8260B**
Preparation: N/A

Lab Sample ID:	MRL 240-46058/5	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88980.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/01/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.39	88		
1,1,1-Trichloroethane	5.00	4.94	99		
1,1,2,2-Tetrachloroethane	5.00	4.63	93		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	5.47	109		
1,1,2-Trichloroethane	5.00	4.64	93		
1,1-Dichloroethane	5.00	4.84	97		
1,1-Dichloroethene	5.00	4.92	98		
1,1-Dichloropropene	5.00	5.04	101		
1,2,3-Trichlorobenzene	5.00	4.36	87		
1,2,3-Trichloropropane	5.00	4.71	94		
1,2,4-Trichlorobenzene	5.00	4.40	88		
1,2,4-Trimethylbenzene	5.00	4.79	96		
1,2-Dibromo-3-Chloropropane	5.00	4.61	92		
1,2-Dibromoethane	5.00	4.55	91		
1,2-Dichlorobenzene	5.00	4.75	95		
1,2-Dichloroethane	5.00	4.92	98		
1,2-Dichloropropane	5.00	5.09	102		
1,3,5-Trimethylbenzene	5.00	4.70	94		
1,3-Dichlorobenzene	5.00	4.74	95		
1,3-Dichloropropane	5.00	4.93	99		
1,4-Dichlorobenzene	5.00	4.78	96		
2,2-Dichloropropane	5.00	5.09	102		
2-Butanone (MEK)	10.0	8.97	90		J
2-Chlorotoluene	5.00	4.65	93		
2-Hexanone	10.0	8.85	89		J
4-Chlorotoluene	5.00	4.72	94		
4-Methyl-2-pentanone (MIBK)	10.0	8.77	88		J
Acetone	10.0	8.23	82		J
Benzene	5.00	4.62	92		
Bromobenzene	5.00	4.63	93		
Bromochloromethane	5.00	4.84	97		
Bromodichloromethane	5.00	4.58	92		
Bromoform	5.00	4.59	92		
Bromomethane	5.00	5.93	119		
Carbon disulfide	5.00	4.76	95		
Carbon tetrachloride	5.00	4.90	98		
Chlorobenzene	5.00	4.83	97		
Chloroethane	5.00	5.95	119		
Chloroform	5.00	4.80	96		
Chloromethane	5.00	5.22	104		
cis-1,2-Dichloroethene	5.00	4.79	96		

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Reporting Limit Check - Batch: 240-46058 **Method: 8260B**
Preparation: N/A

Lab Sample ID:	MRL 240-46058/5	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88980.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/01/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
cis-1,3-Dichloropropene	5.00	4.32	86		
Cyclohexane	5.00	5.13	103		
Chlorodibromomethane	5.00	4.50	90		
Dibromomethane	5.00	4.74	95		
Dichlorodifluoromethane	5.00	5.17	103		
Ethylbenzene	5.00	4.98	100		
Hexachlorobutadiene	5.00	4.71	94		
Isopropylbenzene	5.00	4.77	95		
Methyl acetate	10.0	9.03	90		J
Methyl tert butyl ether	5.00	4.66	93		J
Methylcyclohexane	5.00	5.21	104		
Methylene Chloride	5.00	3.05	61		
m-Xylene & p-Xylene	10.0	9.90	99		
Naphthalene	5.00	4.00	80		
n-Butylbenzene	5.00	4.94	99		
N-Propylbenzene	5.00	5.07	101		
o-Xylene	5.00	4.81	96		
p-Isopropyltoluene	5.00	4.73	95		
sec-Butylbenzene	5.00	4.80	96		
Styrene	5.00	4.67	93		
tert-Butylbenzene	5.00	5.15	103		
Tetrachloroethene	5.00	5.21	104		
Tetrahydrofuran	5.00	4.54	91		
Toluene	5.00	4.80	96		
trans-1,2-Dichloroethene	5.00	5.15	103		
trans-1,3-Dichloropropene	5.00	4.71	94		
Trichloroethene	5.00	4.77	95		
Trichlorofluoromethane	5.00	5.38	108		
Vinyl chloride	5.00	5.84	117		

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Dibromofluoromethane (Surr)	90	30 - 122
Toluene-d8 (Surr)	92	33 - 134

Method Blank - Batch: 240-45822 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-45822/22-A	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/05/2012 1423	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
2,4,5-Trichlorophenol	ND		25	330
2,4,6-Trichlorophenol	ND		80	330
2,4-Dichlorophenol	ND		20	330
2,4-Dimethylphenol	ND		20	330
2,4-Dinitrophenol	ND		80	1600
2,4-Dinitrotoluene	ND		27	330
2,6-Dinitrotoluene	ND		21	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
2-Methylnaphthalene	ND		3.3	330
2-Methylphenol	ND		80	330
2-Nitroaniline	ND		9.1	1600
2-Nitrophenol	ND		27	330
3,3'-Dichlorobenzidine	ND		18	1600
3-Nitroaniline	ND		16	1600
4,6-Dinitro-2-methylphenol	ND		80	1600
4-Bromophenyl phenyl ether	ND		13	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
4-Nitroaniline	ND		26	1600
4-Nitrophenol	ND		80	1600
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
Atrazine	ND		9.1	330
Benzaldehyde	ND		12	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
Dibenzofuran	ND		3.3	330
Diethyl phthalate	ND		16	330

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Blank - Batch: 240-45822 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-45822/22-A	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/05/2012 1423	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
Di-n-octyl phthalate	ND		27	330
Fluoranthene	ND		3.3	330
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
Naphthalene	ND		3.3	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	67	34 - 110
2-Fluorophenol (Surr)	82	26 - 110
2,4,6-Tribromophenol (Surr)	72	10 - 118
Nitrobenzene-d5 (Surr)	70	24 - 112
Phenol-d5 (Surr)	84	28 - 110
Terphenyl-d14 (Surr)	101	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Control Sample - Batch: 240-45822

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-45822/23-A	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20604014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/04/2012 1548	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	447	67	50 - 130	
2,2'-oxybis[1-chloropropane]	667	437	65	36 - 116	
2,4,5-Trichlorophenol	667	468	70	42 - 110	
2,4,6-Trichlorophenol	667	463	69	37 - 110	
2,4-Dichlorophenol	667	459	69	40 - 110	
2,4-Dimethylphenol	667	369	55	28 - 110	
2,4-Dinitrophenol	667	174	26	10 - 110	J
2,4-Dinitrotoluene	667	491	74	55 - 116	
2,6-Dinitrotoluene	667	491	74	54 - 115	
2-Chloronaphthalene	667	397	59	46 - 110	
2-Chlorophenol	667	503	75	39 - 110	
2-Methylnaphthalene	667	439	66	46 - 110	
2-Methylphenol	667	479	72	36 - 110	
2-Nitroaniline	667	520	78	47 - 124	J
2-Nitrophenol	667	421	63	35 - 110	
3,3'-Dichlorobenzidine	667	349	52	31 - 110	J
3-Nitroaniline	667	465	70	44 - 110	J
4,6-Dinitro-2-methylphenol	667	344	52	21 - 110	J
4-Bromophenyl phenyl ether	667	416	62	53 - 112	
4-Chloro-3-methylphenol	667	487	73	42 - 110	
4-Chloroaniline	667	348	52	25 - 110	
4-Chlorophenyl phenyl ether	667	421	63	53 - 110	
4-Nitroaniline	667	501	75	50 - 110	J
4-Nitrophenol	667	511	77	24 - 117	J
Acenaphthene	667	451	68	46 - 110	
Acenaphthylene	667	463	69	47 - 110	
Acetophenone	667	511	77	50 - 130	
Anthracene	667	498	75	56 - 111	
Atrazine	667	657	98	50 - 130	
Benzaldehyde	667	431	65	10 - 130	
Benzo[a]anthracene	667	507	76	58 - 111	
Benzo[a]pyrene	667	453	68	44 - 115	
Benzo[b]fluoranthene	667	447	67	43 - 124	
Benzo[g,h,i]perylene	667	516	77	44 - 120	
Benzo[k]fluoranthene	667	545	82	38 - 122	
Bis(2-chloroethoxy)methane	667	409	61	42 - 110	
Bis(2-chloroethyl)ether	667	430	64	41 - 110	
Bis(2-ethylhexyl) phthalate	667	525	79	56 - 123	
Butyl benzyl phthalate	667	533	80	57 - 121	
Caprolactam	667	573	86	50 - 130	
Carbazole	667	517	78	56 - 115	

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Control Sample - Batch: 240-45822

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-45822/23-A	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20604014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/04/2012 1548	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	667	507	76	56 - 111	
Dibenz(a,h)anthracene	667	517	78	45 - 122	
Dibenzofuran	667	488	73	50 - 110	
Diethyl phthalate	667	563	84	55 - 114	
Dimethyl phthalate	667	525	79	54 - 112	
Di-n-butyl phthalate	667	548	82	57 - 119	
Di-n-octyl phthalate	667	519	78	45 - 123	
Fluoranthene	667	525	79	55 - 118	
Fluorene	667	496	74	51 - 110	
Hexachlorobenzene	667	508	76	51 - 110	
Hexachlorobutadiene	667	400	60	39 - 110	
Hexachlorocyclopentadiene	667	311	47	10 - 110	J
Hexachloroethane	667	449	67	38 - 110	
Indeno[1,2,3-cd]pyrene	667	511	77	45 - 121	
Isophorone	667	453	68	46 - 117	
Naphthalene	667	459	69	42 - 110	
Nitrobenzene	667	415	62	40 - 110	
N-Nitrosodi-n-propylamine	667	483	72	40 - 114	
N-Nitrosodiphenylamine	667	473	71	54 - 112	
Pentachlorophenol	667	386	58	10 - 110	
Phenol	667	494	74	39 - 110	
Phenanthrene	667	500	75	54 - 110	
Pyrene	667	487	73	58 - 113	
3 & 4 Methylphenol	1330	973	73	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	34 - 110
2-Fluorophenol (Surr)	72	26 - 110
2,4,6-Tribromophenol (Surr)	75	10 - 118
Nitrobenzene-d5 (Surr)	57	24 - 112
Phenol-d5 (Surr)	73	28 - 110
Terphenyl-d14 (Surr)	81	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45822

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11631-C-1-E MS	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	06/05/2012 1716			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11631-C-1-F MSD	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	71	82	50 - 130	14	30		
2,2'-oxybis[1-chloropropane]	64	77	25 - 124	18	30		
2,4,5-Trichlorophenol	78	83	32 - 112	6	30		
2,4,6-Trichlorophenol	66	76	22 - 110	14	30		
2,4-Dichlorophenol	67	79	33 - 110	15	30		
2,4-Dimethylphenol	64	68	19 - 114	5	30		
2,4-Dinitrophenol	17	26	10 - 110	44	30	J	J F
2,4-Dinitrotoluene	84	81	42 - 118	4	30		
2,6-Dinitrotoluene	78	82	28 - 137	6	30		
2-Chloronaphthalene	62	71	40 - 110	13	30		
2-Chlorophenol	70	85	32 - 110	19	30		
2-Methylnaphthalene	68	78	10 - 200	14	30		
2-Methylphenol	81	93	19 - 124	14	30		
2-Nitroaniline	89	93	31 - 141	4	30	J	J
2-Nitrophenol	67	74	17 - 110	10	30		
3,3'-Dichlorobenzidine	58	49	10 - 110	17	30	J	J
3-Nitroaniline	77	74	24 - 110	5	30	J	J
4,6-Dinitro-2-methylphenol	59	72	10 - 110	19	30	J	J
4-Bromophenyl phenyl ether	75	80	44 - 120	7	30		
4-Chloro-3-methylphenol	80	82	32 - 117	2	30		
4-Chloroaniline	54	49	11 - 110	10	30		J
4-Chlorophenyl phenyl ether	71	74	47 - 116	4	30		
4-Nitroaniline	82	76	23 - 124	8	30	J	J
4-Nitrophenol	55	66	10 - 125	18	30	J	J
Acenaphthene	71	79	10 - 200	11	30		
Acenaphthylene	75	84	10 - 200	12	30		
Acetophenone	75	90	50 - 130	18	30		
Anthracene	88	89	10 - 200	1	30		
Atrazine	119	120	50 - 130	1	30		
Benzaldehyde	62	75	10 - 130	18	30		
Benzo[a]anthracene	92	90	10 - 200	2	30		
Benzo[a]pyrene	78	79	10 - 200	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45822

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11631-C-1-E MS	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	06/05/2012 1716			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11631-C-1-F MSD	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[b]fluoranthene	85	83	10 - 200	2	30		
Benzo[g,h,i]perylene	93	93	10 - 200	0	30		
Benzo[k]fluoranthene	91	95	10 - 200	4	30		
Bis(2-chloroethoxy)methane	63	71	36 - 110	12	30		
Bis(2-chloroethyl)ether	64	76	32 - 118	18	30		
Bis(2-ethylhexyl) phthalate	97	96	10 - 200	2	30		
Butyl benzyl phthalate	97	94	43 - 138	3	30		
Caprolactam	92	89	50 - 130	3	30		
Carbazole	92	91	10 - 162	2	30		
Chrysene	92	89	10 - 200	3	30		
Dibenz(a,h)anthracene	95	95	10 - 200	0	30		
Dibenzofuran	78	84	10 - 200	8	30		
Diethyl phthalate	92	94	48 - 118	1	30		
Dimethyl phthalate	86	91	47 - 116	5	30		
Di-n-butyl phthalate	99	98	31 - 145	1	30		
Di-n-octyl phthalate	97	96	10 - 182	1	30		
Fluoranthene	92	92	10 - 200	0	30		
Fluorene	80	85	10 - 187	6	30		
Hexachlorobenzene	88	93	37 - 122	4	30		
Hexachlorobutadiene	57	69	30 - 110	18	30		
Hexachlorocyclopentadiene	36	35	10 - 110	3	30	J	J
Hexachloroethane	65	78	13 - 110	19	30		
Indeno[1,2,3-cd]pyrene	94	92	10 - 200	1	30		
Isophorone	71	80	32 - 129	12	30		
Naphthalene	70	79	10 - 200	13	30		
Nitrobenzene	63	70	33 - 111	10	30		
N-Nitrosodi-n-propylamine	72	87	30 - 121	19	30		
N-Nitrosodiphenylamine	86	90	10 - 169	4	30		
Pentachlorophenol	0	25	10 - 182	NC	30	F	J
Phenol	72	85	10 - 144	16	30		
Phenanthrene	87	90	10 - 200	3	30		
Pyrene	85	83	10 - 200	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45822

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11631-C-1-E MS	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	06/05/2012 1716			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11631-C-1-F MSD	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	73	84	27 - 116	15	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	61	68	34 - 110
2-Fluorophenol (Surr)	68	83	26 - 110
2,4,6-Tribromophenol (Surr)	66	81	10 - 118
Nitrobenzene-d5 (Surr)	60	66	24 - 112
Phenol-d5 (Surr)	73	87	28 - 110
Terphenyl-d14 (Surr)	91	92	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Blank - Batch: 240-45836 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-45836/24-A	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/02/2012 1609	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	67	14 - 163

Lab Control Sample - Batch: 240-45836 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-45836/23-A	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/02/2012 1928	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	294	88	62 - 120	
Aroclor-1260	333	315	95	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	101	29 - 151
DCB Decachlorobiphenyl	87	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45836

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-11631-D-1-F MS	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.08 g
Analysis Date:	06/02/2012 1857			Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-11631-D-1-G MSD	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	06/02/2012 1913			Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	85	83	22 - 157	2	30		
Aroclor-1260	89	87	13 - 161	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	81	76	29 - 151
DCB Decachlorobiphenyl	78	77	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Blank - Batch: 240-45889

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-45889/13-A	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/04/2012 1138	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-45889

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-45889/14-A	Analysis Batch:	240-46253	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60505.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/05/2012 1009	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-45889/15-A	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60419.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/04/2012 1855	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	87	86	70 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Blank - Batch: 240-45177

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-45177/1-A	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/30/2012 1057	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	ND		0.39	1.0
Barium	0.120	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	17.6	J	16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	6.31	J	4.9	10
Potassium	19.1	J	6.2	500
Magnesium	ND		5.1	500
Manganese	0.0832	J	0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Lab Control Sample - Batch: 240-45177

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-45177/2-A	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/30/2012 1102	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	202	101	80 - 120	
Antimony	50.0	49.8	100	80 - 120	
Barium	200	213	106	80 - 120	
Beryllium	5.00	5.13	103	80 - 120	
Calcium	5000	5260	105	80 - 120	
Cadmium	5.00	5.01	100	80 - 120	
Cobalt	50.0	50.2	100	80 - 120	
Chromium	20.0	20.3	102	80 - 120	
Copper	25.0	25.0	100	80 - 120	
Iron	100	112	112	80 - 120	
Potassium	5000	4970	99	80 - 120	
Magnesium	5000	5120	102	80 - 120	
Manganese	50.0	52.2	104	80 - 120	
Silver	5.00	5.03	101	80 - 120	
Sodium	5000	5010	100	80 - 120	
Nickel	50.0	49.7	99	80 - 120	
Vanadium	50.0	50.3	101	80 - 120	
Zinc	50.0	51.3	103	80 - 120	
Arsenic	200	193	97	80 - 120	
Lead	50.0	49.3	99	80 - 120	
Selenium	200	191	95	80 - 120	
Thallium	200	199	99	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45177

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-11587-1	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/30/2012 1119			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11587-1	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45177	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/30/2012 1125			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 0947				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	410	132	75 - 125	19	20	4	4
Antimony	82	82	75 - 125	0	20		
Barium	109	103	75 - 125	5	20		
Beryllium	99	96	75 - 125	3	20		
Calcium	-49	307	75 - 125	53	20	4	4 F
Cadmium	93	91	75 - 125	2	20		
Cobalt	97	93	75 - 125	4	20		
Chromium	95	87	75 - 125	6	20		
Copper	115	97	75 - 125	13	20		
Iron	3532	-46	75 - 125	42	20	4	4 F
Potassium	102	100	75 - 125	2	20		
Magnesium	29	115	75 - 125	31	20	F	F
Manganese	402	122	75 - 125	52	20	F	F
Silver	98	98	75 - 125	0	20		
Sodium	100	98	75 - 125	1	20		
Nickel	99	92	75 - 125	6	20		
Vanadium	112	94	75 - 125	14	20		
Zinc	108	98	75 - 125	8	20		
Arsenic	94	92	75 - 125	1	20		
Lead	94	91	75 - 125	3	20		
Selenium	92	91	75 - 125	2	20		
Thallium	94	92	75 - 125	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Method Blank - Batch: 240-45207

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-45207/1-A	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/30/2012 1033	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-45207

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-45207/2-A	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/30/2012 1035	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.789	95	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45207

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-11587-1	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.61 g
Analysis Date:	05/30/2012 1038			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11587-1	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45207	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.61 g
Analysis Date:	05/30/2012 1043			Final Weight/Volume:	100 mL
Prep Date:	05/24/2012 1330				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	99	95	11 - 192	3	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11587-1

Duplicate - Batch: 240-45223

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-11587-4	Analysis Batch:	240-45223	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/24/2012 1302	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	91	91	0.4	20	
Percent Moisture	9.0	9.4	4	20	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-11623-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
6/15/2012 3:47 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
06/15/2012

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-11623-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/24/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0, 3.6, 4.4, and 5.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), HA-208_0-2(20120523) (240-11623-6), ASB-210-_10-11.5(20120523) (240-11623-7) and ASB-211-_7.5-10(20120523) (240-11623-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 05/29/2012 and analyzed on 06/02/2012.

Dichlorodifluoromethane was detected in method blank MB 240-45549/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Vinyl chloride failed the recovery criteria high for LCS 240-45549/2-A.

Refer to the QC report for details.

Method 5035: The container submitted for the following sample was not sufficiently sealed: ASB-210-_10-11.5(20120523) (240-11623-7). Loss of volatiles may have occurred. This terra core was received with a low methanol volume. The methanol appears to have leaked out at some point, as the sample label is washed out in spots.

Method 8260B: The laboratory control sample (LCS) for batch 45549 exceeded control limits for the following analyte: Vinyl Chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 45549.

Method 5035: This sample was prepped from the bulk jar: ASB-210-_10-11.5(20120523) (240-11623-7) and

ASB-210-_10-11.5(20120523)MS/MSD (240-11623-7MS/MSD). This bulk jar was taken from a shelf in the walk in, so it may have been contaminated if it was opened in another part of the lab.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-203(20120522) (240-11623-1), ASB-209(20120522) (240-11623-2) and TB-001(20120523 (240-11623-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/27/2012 and 06/01/2012.

Methylene Chloride was detected in method blank MB 240-45501/5 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. 1,2,3-Trichlorobenzene,

1,2,4-Trichlorobenzene and Hexachlorobutadiene were detected in method blank MB 240-45501/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Hexachlorobutadiene were detected in method blank MB 240-46002/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

1,1,2-Trichloroethane failed the recovery criteria high for LCS 240-45501/4. 1,1,2-Trichloroethane and 1,2-Dibromoethane failed the recovery criteria high for LCS 240-46002/4.

Refer to the QC report for details.

Method 8260B: The following sample submitted for volatiles analysis was received with insufficient preservation (pH >2): ASB-203(20120522) (240-11623-1).

Method 8260B: The laboratory control sample (LCS) for batch 45501 exceeded control limits for the following analytes: 1,1,2-Trichloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

Method 8260B: The laboratory control sample (LCS) for batch 46002 exceeded control limits for the following analytes: 1,1,2-Trichloroethane and Ethylene Dibromide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: There was an MS/MSD analyzed in batch 46002 but could not be reported because the associated sample needed reanalyzed in a different batch.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), HA-208_0-2(20120523) (240-11623-6), ASB-210-_10-11.5(20120523) (240-11623-7) and ASB-211-_7.5-10(20120523) (240-11623-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/31/2012 and analyzed on 06/05/2012 and 06/06/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Pentachlorophenol failed the recovery criteria low for the MS of sample 240-11631-1 in batch 240-46255.

2,4-Dinitrophenol exceeded the rpd limit for the MSD of sample 240-11631-1 in batch 240-46255.

Refer to the QC report for details.

Method 8270C: Internal standard responses were outside of acceptance limits for the following samples: ASB-211-_7.5-10(20120523) (240-11623-8), HA-208_0-2(20120523) (240-11623-6). These sample show evidence of matrix interference.

Method 8270C: Internal standard responses were outside of acceptance limits for the following sample: ASB-210-_10-11.5(20120523)

(240-11623-7). The sample shows evidence of matrix interference.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-203(20120522) (240-11623-1) and ASB-209(20120522) (240-11623-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/25/2012, 05/26/2012 and 06/02/2012 and analyzed on 05/30/2012, 05/31/2012 and 06/05/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for ASB-203(20120522) (240-11623-1). Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for ASB-209(20120522) (240-11623-2). Terphenyl-d14 (Surr) failed the surrogate recovery criteria low for ASB-209(20120522)MSD (240-11623-2MSD). Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample ASB-209(20120522)MS (240-11623-2) in batch 240-45860.

Several analytes failed the recovery criteria low for the MSD of sample ASB-209(20120522)MSD (240-11623-2) in batch 240-45860. Several analytes exceeded the rpd limit.

Several analytes exceeded the rpd limit for the MSD of sample 240-11624-1 in batch 240-45689.

Refer to the QC report for details.

Method 8270C: Surrogate recovery for the following sample was outside of acceptance limits: ASB-203(20120522) (240-11623-1). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Method 8270C: Surrogate recovery for the following sample was outside control limits: ASB-209(20120522) (240-11623-2). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data are reported.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-203(20120522) (240-11623-1) and ASB-209(20120522) (240-11623-2) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 05/25/2012 and analyzed on 05/29/2012.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-45372/7-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the WI-DRO analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), HA-208_0-2(20120523) (240-11623-6), ASB-210-_10-11.5(20120523) (240-11623-7) and ASB-211-_7.5-10(20120523) (240-11623-8) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 05/31/2012 and analyzed on 06/02/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-11631-1 MS), (240-11631-1 MSD), ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), ASB-210-_10-11.5(20120523) (240-11623-7), ASB-211-_7.5-10(20120523) (240-11623-8), CLEAN BACKFILL (240-11631-1), HA-208_0-2(20120523) (240-11623-6). Lot # S65830

No other difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-203(20120522) (240-11623-1) and ASB-209(20120522) (240-11623-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 05/25/2012 and analyzed on 05/29/2012.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for ASB-203(20120522) (240-11623-1). DCB Decachlorobiphenyl failed the surrogate recovery criteria low for ASB-209(20120522) (240-11623-2). DCB Decachlorobiphenyl failed the surrogate recovery criteria low for ASB-209(20120522)MS (240-11623-2MS). Refer to the QC report for details.

Aroclor-1016 failed the recovery criteria low for the MS/MSD of sample ASB-209(20120522)MS/MSD (240-11623-2) in batch 240-45487.

Refer to the QC report for details.

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-203(20120522) (240-11623-1). Lot # S65830

Method 8082: Surrogate recovery for the following samples was outside control limits: ASB-203(20120522) (240-11623-1), ASB-209(20120522) (240-11623-2), ASB-209(20120522) (240-11623-2 MS). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-203(20120522) (240-11623-1), ASB-209(20120522) (240-11623-2), ASB-209(20120522) (240-11623-2 MS), ASB-209(20120522) (240-11623-2 MSD). Lot # S65830

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5) and HA-208_0-2(20120523) (240-11623-6) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 05/31/2012 and analyzed on 06/04/2012 and 06/05/2012.

Samples ASB-209_10-12(20120523) (240-11623-4)[5X] and HA-208_0-2(20120523) (240-11623-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the WI-DRO analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), HA-208_0-2(20120523) (240-11623-6), ASB-210-_10-11.5(20120523) (240-11623-7) and ASB-211-_7.5-10(20120523) (240-11623-8) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/25/2012 and analyzed on 05/30/2012 and 06/01/2012.

Chromium failed the recovery criteria high for the MSD of sample ASB-209_10-12(20120523)MSD (240-11623-4) in batch 240-45827. Chromium exceeded the rpd limit.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples ASB-203(20120522) (240-11623-1) and ASB-209(20120522) (240-11623-2) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/30/2012 and analyzed on 05/31/2012 and 06/01/2012.

Calcium, Manganese and Potassium were detected in method blank MB 240-45605/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-203(20120522) (240-11623-1) and ASB-209(20120522) (240-11623-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 05/29/2012 and analyzed on 05/30/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), HA-208_0-2(20120523) (240-11623-6), ASB-210-_10-11.5(20120523) (240-11623-7) and ASB-211-_7.5-10(20120523) (240-11623-8) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 05/25/2012 and analyzed on 05/30/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-209_10-12(20120523) (240-11623-4), ASB-209_5-6.5(20120523) (240-11623-5), HA-208_0-2(20120523) (240-11623-6), ASB-210-_10-11.5(20120523) (240-11623-7) and ASB-211-_7.5-10(20120523) (240-11623-8) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/25/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11623-1	**ASB-203(20120522)**					
Acetone		17		10	ug/L	8260B
Benzene		0.37	J	1.0	ug/L	8260B
Chloromethane		1.1		1.0	ug/L	8260B
Cyclohexane		0.12	J	1.0	ug/L	8260B
2-Butanone (MEK)		2.0	J	10	ug/L	8260B
Methyl tert butyl ether		8.9		5.0	ug/L	8260B
Toluene		0.23	J	1.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		1.6	J	1.9	ug/L	8270C
4-Chloro-3-methylphenol		3.2		1.9	ug/L	8270C
Diethyl phthalate		1.0		0.95	ug/L	8270C
Di-n-butyl phthalate		0.83	J	0.95	ug/L	8270C
WI Diesel Range Organics (C10-C28)		0.32	B	0.11	mg/L	WI-DRO
Total Recoverable						
Barium		270		200	ug/L	6010B
Aluminum		500		200	ug/L	6010B
Arsenic		3.6	J	10	ug/L	6010B
Calcium		170000	B	5000	ug/L	6010B
Cobalt		17		7.0	ug/L	6010B
Iron		1800		100	ug/L	6010B
Potassium		7800	B	5000	ug/L	6010B
Magnesium		62000		5000	ug/L	6010B
Manganese		2400	B	15	ug/L	6010B
Sodium		82000		5000	ug/L	6010B
Nickel		20	J	40	ug/L	6010B
240-11623-2	**ASB-209(20120522)**					
Acetone		2.2	J	10	ug/L	8260B
Carbon disulfide		0.13	J	1.0	ug/L	8260B
2-Butanone (MEK)		0.97	J	10	ug/L	8260B
Methyl tert butyl ether		1.9	J	5.0	ug/L	8260B
Trichloroethene		2.4		1.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		8.0		2.1	ug/L	8270C
WI Diesel Range Organics (C10-C28)		0.14	B	0.11	mg/L	WI-DRO
Total Recoverable						
Barium		240		200	ug/L	6010B
Arsenic		4.1	J	10	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11623-4	**ASB-209_10-12(20120523)**					
1,2,4-Trimethylbenzene		8.2	J	270	ug/Kg	8260B
Dichlorodifluoromethane		34	J B	270	ug/Kg	8260B
Methyl acetate		110	J	540	ug/Kg	8260B
Naphthalene		11	J	270	ug/Kg	8260B
Trichloroethene		4000		270	ug/Kg	8260B
Benzo[a]anthracene		35	J	380	ug/Kg	8270C
Benzo[a]pyrene		37	J	380	ug/Kg	8270C
Benzo[b]fluoranthene		44	J	380	ug/Kg	8270C
Benzo[g,h,i]perylene		33	J	380	ug/Kg	8270C
Benzo[k]fluoranthene		28	J	380	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		38	J	380	ug/Kg	8270C
Chrysene		38	J	380	ug/Kg	8270C
Fluoranthene		45	J	380	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		25	J	380	ug/Kg	8270C
Phenanthrene		20	J	380	ug/Kg	8270C
Pyrene		50	J	380	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		100	*	55	mg/Kg	WI-DRO
Barium		47	B	22	mg/Kg	6010B
Chromium		18		0.55	mg/Kg	6010B
Arsenic		3.6		1.1	mg/Kg	6010B
Lead		6.4		0.33	mg/Kg	6010B
Selenium		0.81		0.55	mg/Kg	6010B
Mercury		0.019	J	0.11	mg/Kg	7471A
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11623-5	**ASB-209_5-6.5(20120523)**					
1,2,4-Trimethylbenzene		14	J	280	ug/Kg	8260B
Dichlorodifluoromethane		28	J B	280	ug/Kg	8260B
Methyl acetate		210	J	570	ug/Kg	8260B
Naphthalene		11	J	280	ug/Kg	8260B
2-Methylnaphthalene		17	J	370	ug/Kg	8270C
Acenaphthene		19	J	370	ug/Kg	8270C
Acenaphthylene		15	J	370	ug/Kg	8270C
Anthracene		44	J	370	ug/Kg	8270C
Benzo[a]anthracene		150	J	370	ug/Kg	8270C
Benzo[a]pyrene		130	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		150	J	370	ug/Kg	8270C
Benzo[g,h,i]perylene		92	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		83	J	370	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		140	J	370	ug/Kg	8270C
Chrysene		160	J	370	ug/Kg	8270C
Dibenzofuran		16	J	370	ug/Kg	8270C
Fluoranthene		250	J	370	ug/Kg	8270C
Fluorene		27	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		66	J	370	ug/Kg	8270C
Naphthalene		18	J	370	ug/Kg	8270C
Phenanthrene		200	J	370	ug/Kg	8270C
Pyrene		210	J	370	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		42	*	10	mg/Kg	WI-DRO
Barium		49	B	19	mg/Kg	6010B
Chromium		29		0.48	mg/Kg	6010B
Arsenic		2.9		0.96	mg/Kg	6010B
Lead		7.2		0.29	mg/Kg	6010B
Mercury		0.026	J	0.11	mg/Kg	7471A
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.8		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11623-6	**HA-208_0-2(20120523)**					
Methyl acetate		120	J	480	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		690		370	ug/Kg	8270C
Diethyl phthalate		140	J	370	ug/Kg	8270C
Di-n-butyl phthalate		21	J	370	ug/Kg	8270C
Fluoranthene		43	J	370	ug/Kg	8270C
Pyrene		36	J	370	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		260	*	61	mg/Kg	WI-DRO
Aluminum		3200		21	mg/Kg	6010B
Antimony		1.3		1.1	mg/Kg	6010B
Barium		74	B	21	mg/Kg	6010B
Beryllium		0.16	J	0.53	mg/Kg	6010B
Calcium		26000	B	530	mg/Kg	6010B
Cobalt		15		5.3	mg/Kg	6010B
Chromium		6.9		0.53	mg/Kg	6010B
Copper		7.0		2.7	mg/Kg	6010B
Iron		8400	B	11	mg/Kg	6010B
Potassium		700	B	530	mg/Kg	6010B
Magnesium		13000		530	mg/Kg	6010B
Manganese		460	B	1.6	mg/Kg	6010B
Sodium		1600		530	mg/Kg	6010B
Nickel		11		4.3	mg/Kg	6010B
Vanadium		14		5.3	mg/Kg	6010B
Zinc		27	B	2.1	mg/Kg	6010B
Arsenic		2.4		1.1	mg/Kg	6010B
Lead		4.1		0.32	mg/Kg	6010B
Selenium		0.60		0.53	mg/Kg	6010B
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11623-7	**ASB-210-_10-11.5(20120523)**					
Benzo[a]anthracene		14	J	340	ug/Kg	8270C
Benzo[b]fluoranthene		16	J	340	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		23	J	340	ug/Kg	8270C
Chrysene		14	J	340	ug/Kg	8270C
Fluoranthene		24	J	340	ug/Kg	8270C
Phenanthrene		15	J	340	ug/Kg	8270C
Pyrene		20	J	340	ug/Kg	8270C
Aluminum		2900		20	mg/Kg	6010B
Antimony		0.53	J	1.0	mg/Kg	6010B
Barium		49	B	20	mg/Kg	6010B
Beryllium		0.12	J	0.50	mg/Kg	6010B
Calcium		28000	B	500	mg/Kg	6010B
Cobalt		6.0		5.0	mg/Kg	6010B
Chromium		11		0.50	mg/Kg	6010B
Copper		10		2.5	mg/Kg	6010B
Iron		11000	B	10	mg/Kg	6010B
Potassium		460	J B	500	mg/Kg	6010B
Magnesium		8900		500	mg/Kg	6010B
Manganese		460	B	1.5	mg/Kg	6010B
Sodium		79	J	500	mg/Kg	6010B
Nickel		12		4.0	mg/Kg	6010B
Vanadium		14		5.0	mg/Kg	6010B
Zinc		24	B	2.0	mg/Kg	6010B
Arsenic		2.7		1.0	mg/Kg	6010B
Lead		3.8		0.30	mg/Kg	6010B
Selenium		0.69		0.50	mg/Kg	6010B
Percent Solids		96		0.10	%	Moisture
Percent Moisture		3.6		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11623-8	**ASB-211-_7.5-10(20120523)**					
Naphthalene		10	J	250	ug/Kg	8260B
Acenaphthylene		8.2	J	360	ug/Kg	8270C
Anthracene		10	J	360	ug/Kg	8270C
Benzo[a]anthracene		58	J	360	ug/Kg	8270C
Benzo[a]pyrene		51	J	360	ug/Kg	8270C
Benzo[b]fluoranthene		71	J	360	ug/Kg	8270C
Benzo[g,h,i]perylene		47	J	360	ug/Kg	8270C
Benzo[k]fluoranthene		37	J	360	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		40	J	360	ug/Kg	8270C
Chrysene		63	J	360	ug/Kg	8270C
Fluoranthene		88	J	360	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		40	J	360	ug/Kg	8270C
Phenanthrene		40	J	360	ug/Kg	8270C
Pyrene		77	J	360	ug/Kg	8270C
Aluminum		4100		19	mg/Kg	6010B
Barium		51	B	19	mg/Kg	6010B
Beryllium		0.19	J	0.49	mg/Kg	6010B
Calcium		41000	B	490	mg/Kg	6010B
Cobalt		6.7		4.9	mg/Kg	6010B
Chromium		10		0.49	mg/Kg	6010B
Copper		12		2.4	mg/Kg	6010B
Iron		15000	B	9.7	mg/Kg	6010B
Potassium		470	J B	490	mg/Kg	6010B
Magnesium		19000		490	mg/Kg	6010B
Manganese		740	B	1.5	mg/Kg	6010B
Nickel		14		3.9	mg/Kg	6010B
Vanadium		17		4.9	mg/Kg	6010B
Zinc		21	B	1.9	mg/Kg	6010B
Arsenic		3.0		0.97	mg/Kg	6010B
Lead		8.2		0.29	mg/Kg	6010B
Selenium		0.46	J	0.49	mg/Kg	6010B
Mercury		0.029	J	0.12	mg/Kg	7471A
Percent Solids		90		0.10	%	Moisture
Percent Moisture		9.6		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction	TAL NC		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction	TAL NC		SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)	TAL NC		WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals	TAL NC		SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury	TAL NC		SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL NC		SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)	TAL NC		SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL NC		SW846 3005A
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury	TAL NC		SW846 7470A

Lab References:

TAL NC = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method	Analyst	Analyst ID
SW846 8260B	Lata, Todd	TL
SW846 8260B	Williams, Larry	LW
SW846 8270C	Gruber, John	JG
SW846 8270C	Hula, Tom	TH
SW846 8270C	Ulman, Mark	MU
SW846 8082	Hass, Lori	LH
SW846 8082	Kuster, Rhonda	RK
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Musselman, Natalie J	NJM
SW846 7470A	Sutherland, Aaron	AS
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Harshman, Tom	TH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-11623-1	ASB-203(20120522)	Water	05/22/2012 0700	05/24/2012 0800
240-11623-2	ASB-209(20120522)	Water	05/23/2012 1100	05/24/2012 0800
240-11623-2MS	ASB-209(20120522)	Water	05/23/2012 1100	05/24/2012 0800
240-11623-2MSD	ASB-209(20120522)	Water	05/23/2012 1100	05/24/2012 0800
240-11623-3	TB-001(20120523	Water	05/22/2012 0000	05/24/2012 0800
240-11623-4	ASB-209_10-12(20120523)	Solid	05/23/2012 1030	05/24/2012 0800
240-11623-5	ASB-209_5-6.5(20120523)	Solid	05/23/2012 1035	05/24/2012 0800
240-11623-6	HA-208_0-2(20120523)	Solid	05/23/2012 0710	05/24/2012 0800
240-11623-7	ASB-210-_10-11.5(20120523)	Solid	05/23/2012 1300	05/24/2012 0800
240-11623-8	ASB-211-_7.5-10(20120523)	Solid	05/23/2012 1430	05/24/2012 0800

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6407.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1234			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND	*	0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	17		1.1	10
Benzene	0.37	J	0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	1.1		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	0.12	J	0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6407.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1234			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	2.0	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	8.9		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	0.23	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		63 - 129
4-Bromofluorobenzene (Surr)	90		66 - 117
Toluene-d8 (Surr)	89		74 - 115
Dibromofluoromethane (Surr)	96		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6408.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1257			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND	*	0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	2.2	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.13	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6408.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1257			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	0.97	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	1.9	J	0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	2.4		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		63 - 129
4-Bromofluorobenzene (Surr)	86		66 - 117
Toluene-d8 (Surr)	87		74 - 115
Dibromofluoromethane (Surr)	91		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **TB-001(20120523**

Lab Sample ID: 240-11623-3 Date Sampled: 05/22/2012 0000
Client Matrix: Water Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6572.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1551			Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1551				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND	*	0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **TB-001(20120523**

Lab Sample ID: 240-11623-3 Date Sampled: 05/22/2012 0000
Client Matrix: Water Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6572.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1551			Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1551				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND	*	0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		63 - 129
4-Bromofluorobenzene (Surr)	85		66 - 117
Toluene-d8 (Surr)	90		74 - 115
Dibromofluoromethane (Surr)	92		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88997.D
Dilution:	1.0			Initial Weight/Volume:	10.691 g
Analysis Date:	06/02/2012 0559			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.8	270
1,1,1-Trichloroethane		ND		23	270
1,1,2,2-Tetrachloroethane		ND		9.6	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		23	270
1,2,4-Trichlorobenzene		ND		7.9	270
1,2,4-Trimethylbenzene		8.2	J	5.4	270
1,2-Dibromo-3-Chloropropane		ND		54	540
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.3	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.8	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.2	270
1,3-Dichloropropane		ND		24	270
1,4-Dichlorobenzene		ND		8.6	270
2,2-Dichloropropane		ND		25	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.7	270
2-Hexanone		ND		22	1100
Allyl chloride		ND		57	540
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		52	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.9	270
Chlorobenzene		ND		6.9	270
Chloroethane		ND		66	270
Chloroform		ND		9.5	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.4	270
cis-1,3-Dichloropropene		ND		8.5	270
Cyclohexane		ND		43	540
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88997.D
Dilution:	1.0			Initial Weight/Volume:	10.691 g
Analysis Date:	06/02/2012 0559			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		34	J B	17	270
Dichlorofluoromethane		ND		27	540
Ethyl ether		ND		16	540
Ethylbenzene		ND		5.8	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		7.0	270
Methyl acetate		110	J	27	540
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	540
Methylene Chloride		ND		83	270
m-Xylene & p-Xylene		ND		6.7	540
Naphthalene		11	J	7.2	270
n-Butylbenzene		ND		8.6	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.1	270
p-Isopropyltoluene		ND		5.2	270
sec-Butylbenzene		ND		5.1	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		7.0	270
Tetrachloroethene		ND		13	270
Tetrahydrofuran		ND		53	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.9	270
trans-1,3-Dichloropropene		ND		22	270
Trichloroethene		4000		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND	*	19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		39 - 128
4-Bromofluorobenzene (Surr)	96		26 - 141
Dibromofluoromethane (Surr)	88		30 - 122
Toluene-d8 (Surr)	96		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88998.D
Dilution:	1.0			Initial Weight/Volume:	9.755 g
Analysis Date:	06/02/2012 0620			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		14	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.3	280
1,2,4-Trimethylbenzene		14	J	5.7	280
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.8	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.3	280
1,3,5-Trimethylbenzene		ND		6.6	280
1,3-Dichlorobenzene		ND		5.5	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.1	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		23	1100
Allyl chloride		ND		60	570
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		55	1100
Acetone		ND		190	1100
Benzene		ND		14	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		22	280
Bromomethane		ND		33	280
Carbon disulfide		ND		14	280
Carbon tetrachloride		ND		7.3	280
Chlorobenzene		ND		7.3	280
Chloroethane		ND		69	280
Chloroform		ND		10	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.8	280
cis-1,3-Dichloropropene		ND		9.0	280
Cyclohexane		ND		45	570
Chlorodibromomethane		ND		14	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88998.D
Dilution:	1.0			Initial Weight/Volume:	9.755 g
Analysis Date:	06/02/2012 0620			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		28	J B	18	280
Dichlorofluoromethane		ND		28	570
Ethyl ether		ND		17	570
Ethylbenzene		ND		6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.4	280
Methyl acetate		210	J	28	570
Methyl tert butyl ether		ND		8.1	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		87	280
m-Xylene & p-Xylene		ND		7.0	570
Naphthalene		11	J	7.6	280
n-Butylbenzene		ND		9.1	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.7	280
p-Isopropyltoluene		ND		5.5	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.4	280
tert-Butylbenzene		ND		7.4	280
Tetrachloroethene		ND		14	280
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		23	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND	*	20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		39 - 128
4-Bromofluorobenzene (Surr)	98		26 - 141
Dibromofluoromethane (Surr)	90		30 - 122
Toluene-d8 (Surr)	96		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88999.D
Dilution:	1.0			Initial Weight/Volume:	11.833 g
Analysis Date:	06/02/2012 0641			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		8.7	240
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.5	240
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		37	240
1,1,2-Trichloroethane		ND		11	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,1-Dichloropropene		ND		9.5	240
1,2,3-Trichlorobenzene		ND		9.5	240
1,2,3-Trichloropropane		ND		20	240
1,2,4-Trichlorobenzene		ND		7.0	240
1,2,4-Trimethylbenzene		ND		4.8	240
1,2-Dibromo-3-Chloropropane		ND		48	480
1,2-Dibromoethane		ND		9.5	240
1,2-Dichlorobenzene		ND		8.2	240
1,2-Dichloroethane		ND		9.5	240
1,2-Dichloropropane		ND		7.8	240
1,3,5-Trimethylbenzene		ND		5.5	240
1,3-Dichlorobenzene		ND		4.6	240
1,3-Dichloropropane		ND		21	240
1,4-Dichlorobenzene		ND		7.6	240
2,2-Dichloropropane		ND		22	240
2-Butanone (MEK)		ND		41	950
2-Chlorotoluene		ND		8.6	240
2-Hexanone		ND		19	950
Allyl chloride		ND		51	480
4-Chlorotoluene		ND		9.4	240
4-Methyl-2-pentanone (MIBK)		ND		46	950
Acetone		ND		160	950
Benzene		ND		11	240
Bromobenzene		ND		12	240
Bromochloromethane		ND		12	240
Bromodichloromethane		ND		9.4	240
Bromoform		ND		18	240
Bromomethane		ND		28	240
Carbon disulfide		ND		11	240
Carbon tetrachloride		ND		6.1	240
Chlorobenzene		ND		6.1	240
Chloroethane		ND		58	240
Chloroform		ND		8.4	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.6	240
cis-1,3-Dichloropropene		ND		7.5	240
Cyclohexane		ND		38	480
Chlorodibromomethane		ND		11	240
Dibromomethane		ND		13	240

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX88999.D
Dilution:	1.0			Initial Weight/Volume:	11.833 g
Analysis Date:	06/02/2012 0641			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		15	240
Dichlorofluoromethane		ND		24	480
Ethyl ether		ND		14	480
Ethylbenzene		ND		5.2	240
Hexachlorobutadiene		ND		13	240
Isopropylbenzene		ND		6.2	240
Methyl acetate		120	J	24	480
Methyl tert butyl ether		ND		6.8	950
Methylcyclohexane		ND		11	480
Methylene Chloride		ND		73	240
m-Xylene & p-Xylene		ND		5.9	480
Naphthalene		ND		6.4	240
n-Butylbenzene		ND		7.6	240
N-Propylbenzene		ND		13	240
o-Xylene		ND		8.1	240
p-Isopropyltoluene		ND		4.6	240
sec-Butylbenzene		ND		4.5	240
Styrene		ND		5.3	240
tert-Butylbenzene		ND		6.2	240
Tetrachloroethene		ND		11	240
Tetrahydrofuran		ND		47	950
Toluene		ND		16	240
trans-1,2-Dichloroethene		ND		8.8	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		ND		9.3	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND	*	17	240

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		39 - 128
4-Bromofluorobenzene (Surr)	95		26 - 141
Dibromofluoromethane (Surr)	85		30 - 122
Toluene-d8 (Surr)	92		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300
Client Matrix: Solid % Moisture: 3.6 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89000.D
Dilution:	1.0			Initial Weight/Volume:	10.17 g
Analysis Date:	06/02/2012 0703			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.3	260
1,1,1-Trichloroethane		ND		21	260
1,1,2,2-Tetrachloroethane		ND		9.1	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	260
1,1,2-Trichloroethane		ND		12	260
1,1-Dichloroethane		ND		17	260
1,1-Dichloroethene		ND		18	260
1,1-Dichloropropene		ND		10	260
1,2,3-Trichlorobenzene		ND		10	260
1,2,3-Trichloropropane		ND		21	260
1,2,4-Trichlorobenzene		ND		7.4	260
1,2,4-Trimethylbenzene		ND		5.1	260
1,2-Dibromo-3-Chloropropane		ND		51	510
1,2-Dibromoethane		ND		10	260
1,2-Dichlorobenzene		ND		8.8	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.4	260
1,3,5-Trimethylbenzene		ND		5.9	260
1,3-Dichlorobenzene		ND		4.9	260
1,3-Dichloropropane		ND		22	260
1,4-Dichlorobenzene		ND		8.2	260
2,2-Dichloropropane		ND		23	260
2-Butanone (MEK)		ND		44	1000
2-Chlorotoluene		ND		9.2	260
2-Hexanone		ND		20	1000
Allyl chloride		ND		54	510
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		49	1000
Acetone		ND		170	1000
Benzene		ND		12	260
Bromobenzene		ND		13	260
Bromochloromethane		ND		13	260
Bromodichloromethane		ND		10	260
Bromoform		ND		19	260
Bromomethane		ND		30	260
Carbon disulfide		ND		12	260
Carbon tetrachloride		ND		6.5	260
Chlorobenzene		ND		6.5	260
Chloroethane		ND		62	260
Chloroform		ND		9.0	260
Chloromethane		ND		14	260
cis-1,2-Dichloroethene		ND		7.0	260
cis-1,3-Dichloropropene		ND		8.1	260
Cyclohexane		ND		41	510
Chlorodibromomethane		ND		12	260
Dibromomethane		ND		14	260

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300
Client Matrix: Solid % Moisture: 3.6 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89000.D
Dilution:	1.0			Initial Weight/Volume:	10.17 g
Analysis Date:	06/02/2012 0703			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	260
Dichlorofluoromethane		ND		26	510
Ethyl ether		ND		15	510
Ethylbenzene		ND		5.5	260
Hexachlorobutadiene		ND		14	260
Isopropylbenzene		ND		6.6	260
Methyl acetate		ND		26	510
Methyl tert butyl ether		ND		7.2	1000
Methylcyclohexane		ND		12	510
Methylene Chloride		ND		79	260
m-Xylene & p-Xylene		ND		6.3	510
Naphthalene		ND		6.8	260
n-Butylbenzene		ND		8.2	260
N-Propylbenzene		ND		14	260
o-Xylene		ND		8.7	260
p-Isopropyltoluene		ND		4.9	260
sec-Butylbenzene		ND		4.8	260
Styrene		ND		5.7	260
tert-Butylbenzene		ND		6.6	260
Tetrachloroethene		ND		12	260
Tetrahydrofuran		ND		50	1000
Toluene		ND		17	260
trans-1,2-Dichloroethene		ND		9.4	260
trans-1,3-Dichloropropene		ND		20	260
Trichloroethene		ND		9.9	260
Trichlorofluoromethane		ND		16	260
Vinyl chloride		ND	*	18	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		39 - 128
4-Bromofluorobenzene (Surr)	95		26 - 141
Dibromofluoromethane (Surr)	84		30 - 122
Toluene-d8 (Surr)	90		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430
Client Matrix: Solid % Moisture: 9.6 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89003.D
Dilution:	1.0			Initial Weight/Volume:	10.861 g
Analysis Date:	06/02/2012 0806			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.3	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		9.1	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.4	250
1,2,4-Trimethylbenzene		ND		5.1	250
1,2-Dibromo-3-Chloropropane		ND		51	510
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.8	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.4	250
1,3,5-Trimethylbenzene		ND		5.9	250
1,3-Dichlorobenzene		ND		4.9	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.1	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		44	1000
2-Chlorotoluene		ND		9.2	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		54	510
4-Chlorotoluene		ND		10	250
4-Methyl-2-pentanone (MIBK)		ND		49	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		10	250
Bromoform		ND		19	250
Bromomethane		ND		30	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.5	250
Chlorobenzene		ND		6.5	250
Chloroethane		ND		62	250
Chloroform		ND		9.0	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		7.0	250
cis-1,3-Dichloropropene		ND		8.0	250
Cyclohexane		ND		41	510
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430
Client Matrix: Solid % Moisture: 9.6 Date Received: 05/24/2012 0800

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89003.D
Dilution:	1.0			Initial Weight/Volume:	10.861 g
Analysis Date:	06/02/2012 0806			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	510
Ethyl ether		ND		15	510
Ethylbenzene		ND		5.5	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.6	250
Methyl acetate		ND		25	510
Methyl tert butyl ether		ND		7.2	1000
Methylcyclohexane		ND		12	510
Methylene Chloride		ND		78	250
m-Xylene & p-Xylene		ND		6.3	510
Naphthalene		10	J	6.8	250
n-Butylbenzene		ND		8.1	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.7	250
p-Isopropyltoluene		ND		4.9	250
sec-Butylbenzene		ND		4.8	250
Styrene		ND		5.7	250
tert-Butylbenzene		ND		6.6	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		50	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.4	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.9	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND	*	18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		39 - 128
4-Bromofluorobenzene (Surr)	100		26 - 141
Dibromofluoromethane (Surr)	89		30 - 122
Toluene-d8 (Surr)	96		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-45337	Lab File ID:	20530035.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	05/30/2012 2333			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.095	0.19
Acenaphthylene	ND		0.095	0.19
Acetophenone	ND		0.32	0.95
Anthracene	ND		0.095	0.19
Atrazine	ND		0.32	0.95
Benzaldehyde	ND		0.37	0.95
Benzo[a]anthracene	ND		0.095	0.19
Benzo[b]fluoranthene	ND		0.095	0.19
Benzo[k]fluoranthene	ND		0.095	0.19
Benzo[g,h,i]perylene	ND		0.095	0.19
Benzo[a]pyrene	ND		0.095	0.19
Butyl benzyl phthalate	ND		0.76	0.95
1,1'-Biphenyl	ND		0.76	0.95
Bis(2-chloroethoxy)methane	ND		0.30	0.95
Bis(2-chloroethyl)ether	ND		0.095	0.95
Bis(2-ethylhexyl) phthalate	1.6	J	0.76	1.9
4-Bromophenyl phenyl ether	ND		0.76	1.9
Caprolactam	ND		0.76	4.8
Carbazole	ND		0.27	0.95
4-Chloroaniline	ND		0.76	1.9
4-Chloro-3-methylphenol	3.2		0.76	1.9
2-Chloronaphthalene	ND		0.095	0.95
2-Chlorophenol	ND		0.28	0.95
4-Chlorophenyl phenyl ether	ND		0.29	1.9
Chrysene	ND		0.095	0.19
2-Methylnaphthalene	ND		0.095	0.19
3 & 4 Methylphenol	ND		0.71	1.9
Dibenz(a,h)anthracene	ND		0.095	0.19
Dibenzofuran	ND		0.095	0.95
3,3'-Dichlorobenzidine	ND		0.35	4.8
2,4-Dichlorophenol	ND		0.76	1.9
Diethyl phthalate	1.0		0.57	0.95
2,4-Dimethylphenol	ND		0.76	1.9
Dimethyl phthalate	ND		0.28	0.95
4,6-Dinitro-2-methylphenol	ND		2.3	4.8
2,4-Dinitrophenol	ND		2.3	4.8
2,4-Dinitrotoluene	ND		0.26	4.8
Di-n-butyl phthalate	0.83	J	0.64	0.95
Di-n-octyl phthalate	ND		0.76	0.95
Fluoranthene	ND		0.095	0.19
Fluorene	ND		0.095	0.19
Hexachlorobenzene	ND		0.095	0.19
Hexachlorobutadiene	ND		0.26	0.95
Hexachlorocyclopentadiene	ND		0.76	9.5
Hexachloroethane	ND		0.76	0.95
Indeno[1,2,3-cd]pyrene	ND		0.095	0.19

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-45337	Lab File ID:	20530035.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	05/30/2012 2333			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.26	0.95
2-Methylphenol	ND		0.76	0.95
Naphthalene	ND		0.095	0.19
2-Nitroaniline	ND		0.76	1.9
3-Nitroaniline	ND		0.27	1.9
4-Nitroaniline	ND		0.76	1.9
Nitrobenzene	ND		0.038	0.95
2-Nitrophenol	ND		0.27	1.9
4-Nitrophenol	ND		2.3	4.8
N-Nitrosodiphenylamine	ND		0.30	0.95
N-Nitrosodi-n-propylamine	ND		0.76	0.95
2,2'-oxybis[1-chloropropane]	ND		0.38	0.95
Pentachlorophenol	ND		2.3	4.8
Phenanthrene	ND		0.095	0.19
Phenol	ND		0.57	0.95
Pyrene	ND		0.095	0.19
2,4,5-Trichlorophenol	ND		0.29	4.8
2,4,6-Trichlorophenol	ND		0.76	4.8
2,6-Dinitrotoluene	ND		0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	40		28 - 110
2-Fluorophenol (Surr)	59		10 - 110
2,4,6-Tribromophenol (Surr)	63		22 - 120
Nitrobenzene-d5 (Surr)	35		27 - 111
Phenol-d5 (Surr)	67		10 - 110
Terphenyl-d14 (Surr)	8	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-45413	Lab File ID:	20531030.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	05/31/2012 2037			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.11	0.21
Acenaphthylene	ND		0.11	0.21
Acetophenone	ND		0.36	1.1
Anthracene	ND		0.11	0.21
Atrazine	ND		0.36	1.1
Benzaldehyde	ND		0.41	1.1
Benzo[a]anthracene	ND		0.11	0.21
Benzo[b]fluoranthene	ND		0.11	0.21
Benzo[k]fluoranthene	ND		0.11	0.21
Benzo[g,h,i]perylene	ND		0.11	0.21
Benzo[a]pyrene	ND		0.11	0.21
Butyl benzyl phthalate	ND		0.84	1.1
1,1'-Biphenyl	ND		0.84	1.1
Bis(2-chloroethoxy)methane	ND		0.34	1.1
Bis(2-chloroethyl)ether	ND		0.11	1.1
Bis(2-ethylhexyl) phthalate	8.0		0.84	2.1
4-Bromophenyl phenyl ether	ND		0.84	2.1
Caprolactam	ND		0.84	5.3
Carbazole	ND		0.29	1.1
4-Chloroaniline	ND		0.84	2.1
4-Chloro-3-methylphenol	ND		0.84	2.1
2-Chloronaphthalene	ND		0.11	1.1
2-Chlorophenol	ND		0.31	1.1
4-Chlorophenyl phenyl ether	ND		0.32	2.1
Chrysene	ND		0.11	0.21
2-Methylnaphthalene	ND		0.11	0.21
3 & 4 Methylphenol	ND		0.79	2.1
Dibenz(a,h)anthracene	ND		0.11	0.21
Dibenzofuran	ND		0.11	1.1
3,3'-Dichlorobenzidine	ND		0.39	5.3
2,4-Dichlorophenol	ND		0.84	2.1
Diethyl phthalate	ND		0.63	1.1
2,4-Dimethylphenol	ND		0.84	2.1
Dimethyl phthalate	ND		0.31	1.1
4,6-Dinitro-2-methylphenol	ND		2.5	5.3
2,4-Dinitrophenol	ND		2.5	5.3
2,4-Dinitrotoluene	ND		0.28	5.3
Di-n-butyl phthalate	ND		0.71	1.1
Di-n-octyl phthalate	ND		0.84	1.1
Fluoranthene	ND		0.11	0.21
Fluorene	ND		0.11	0.21
Hexachlorobenzene	ND		0.11	0.21
Hexachlorobutadiene	ND		0.28	1.1
Hexachlorocyclopentadiene	ND		0.84	11
Hexachloroethane	ND		0.84	1.1
Indeno[1,2,3-cd]pyrene	ND		0.11	0.21

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-45413	Lab File ID:	20531030.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	05/31/2012 2037			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.28	1.1
2-Methylphenol	ND		0.84	1.1
Naphthalene	ND		0.11	0.21
2-Nitroaniline	ND		0.84	2.1
3-Nitroaniline	ND		0.29	2.1
4-Nitroaniline	ND		0.84	2.1
Nitrobenzene	ND		0.042	1.1
2-Nitrophenol	ND		0.29	2.1
4-Nitrophenol	ND		2.5	5.3
N-Nitrosodiphenylamine	ND		0.33	1.1
N-Nitrosodi-n-propylamine	ND		0.84	1.1
2,2'-oxybis[1-chloropropane]	ND		0.42	1.1
Pentachlorophenol	ND		2.5	5.3
Phenanthrene	ND		0.11	0.21
Phenol	ND		0.63	1.1
Pyrene	ND		0.11	0.21
2,4,5-Trichlorophenol	ND		0.32	5.3
2,4,6-Trichlorophenol	ND		0.84	5.3
2,6-Dinitrotoluene	ND		0.84	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		28 - 110
2-Fluorophenol (Surr)	57		10 - 110
2,4,6-Tribromophenol (Surr)	65		22 - 120
Nitrobenzene-d5 (Surr)	55		27 - 111
Phenol-d5 (Surr)	61		10 - 110
Terphenyl-d14 (Surr)	24	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-46062	Lab File ID:	0605034.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	06/05/2012 1747	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND	H	0.10	0.21
Acenaphthylene	ND	H	0.10	0.21
Acetophenone	ND	H	0.35	1.0
Anthracene	ND	H	0.10	0.21
Atrazine	ND	H	0.35	1.0
Benzaldehyde	ND	H	0.41	1.0
Benzo[a]anthracene	ND	H	0.10	0.21
Benzo[b]fluoranthene	ND	H	0.10	0.21
Benzo[k]fluoranthene	ND	H	0.10	0.21
Benzo[g,h,i]perylene	ND	H	0.10	0.21
Benzo[a]pyrene	ND	H	0.10	0.21
Butyl benzyl phthalate	ND	H	0.83	1.0
1,1'-Biphenyl	ND	H	0.83	1.0
Bis(2-chloroethoxy)methane	ND	H	0.33	1.0
Bis(2-chloroethyl)ether	ND	H	0.10	1.0
Bis(2-ethylhexyl) phthalate	ND	H	0.83	2.1
4-Bromophenyl phenyl ether	ND	H	0.83	2.1
Caprolactam	ND	H	0.83	5.2
Carbazole	ND	H	0.29	1.0
4-Chloroaniline	ND	H	0.83	2.1
4-Chloro-3-methylphenol	ND	H	0.83	2.1
2-Chloronaphthalene	ND	H	0.10	1.0
2-Chlorophenol	ND	H	0.30	1.0
4-Chlorophenyl phenyl ether	ND	H	0.31	2.1
Chrysene	ND	H	0.10	0.21
2-Methylnaphthalene	ND	H	0.10	0.21
3 & 4 Methylphenol	ND	H	0.78	2.1
Dibenz(a,h)anthracene	ND	H	0.10	0.21
Dibenzofuran	ND	H	0.10	1.0
3,3'-Dichlorobenzidine	ND	H	0.39	5.2
2,4-Dichlorophenol	ND	H	0.83	2.1
Diethyl phthalate	ND	H	0.62	1.0
2,4-Dimethylphenol	ND	H	0.83	2.1
Dimethyl phthalate	ND	H	0.30	1.0
4,6-Dinitro-2-methylphenol	ND	H	2.5	5.2
2,4-Dinitrophenol	ND	H	2.5	5.2
2,4-Dinitrotoluene	ND	H	0.28	5.2
Di-n-butyl phthalate	ND	H	0.70	1.0
Di-n-octyl phthalate	ND	H	0.83	1.0
Fluoranthene	ND	H	0.10	0.21
Fluorene	ND	H	0.10	0.21
Hexachlorobenzene	ND	H	0.10	0.21
Hexachlorobutadiene	ND	H	0.28	1.0
Hexachlorocyclopentadiene	ND	H	0.83	10
Hexachloroethane	ND	H	0.83	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.10	0.21

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-46062	Lab File ID:	0605034.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	06/05/2012 1747	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND	H	0.28	1.0
2-Methylphenol	ND	H	0.83	1.0
Naphthalene	ND	H	0.10	0.21
2-Nitroaniline	ND	H	0.83	2.1
3-Nitroaniline	ND	H	0.29	2.1
4-Nitroaniline	ND	H	0.83	2.1
Nitrobenzene	ND	H	0.042	1.0
2-Nitrophenol	ND	H	0.29	2.1
4-Nitrophenol	ND	H	2.5	5.2
N-Nitrosodiphenylamine	ND	H	0.32	1.0
N-Nitrosodi-n-propylamine	ND	H	0.83	1.0
2,2'-oxybis[1-chloropropane]	ND	H	0.42	1.0
Pentachlorophenol	ND	H	2.5	5.2
Phenanthrene	ND	H	0.10	0.21
Phenol	ND	H	0.62	1.0
Pyrene	ND	H	0.10	0.21
2,4,5-Trichlorophenol	ND	H	0.31	5.2
2,4,6-Trichlorophenol	ND	H	0.83	5.2
2,6-Dinitrotoluene	ND	H	0.83	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	45		28 - 110
2-Fluorophenol (Surr)	57		10 - 110
2,4,6-Tribromophenol (Surr)	53		22 - 120
Nitrobenzene-d5 (Surr)	53		27 - 111
Phenol-d5 (Surr)	57		10 - 110
Terphenyl-d14 (Surr)	50		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605026.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	06/05/2012 1852			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		31	380
2,2'-oxybis[1-chloropropane]		ND		11	380
2,4,5-Trichlorophenol		ND		29	380
2,4,6-Trichlorophenol		ND		92	380
2,4-Dichlorophenol		ND		23	380
2,4-Dimethylphenol		ND		23	380
2,4-Dinitrophenol		ND		92	1800
2,4-Dinitrotoluene		ND		31	380
2,6-Dinitrotoluene		ND		24	380
2-Chloronaphthalene		ND		3.8	380
2-Chlorophenol		ND		31	380
2-Methylnaphthalene		ND		3.8	380
2-Methylphenol		ND		92	380
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		31	380
3,3'-Dichlorobenzidine		ND		21	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		92	1800
4-Bromophenyl phenyl ether		ND		15	380
4-Chloro-3-methylphenol		ND		24	380
4-Chloroaniline		ND		20	380
4-Chlorophenyl phenyl ether		ND		15	380
4-Nitroaniline		ND		30	1800
4-Nitrophenol		ND		92	1800
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Acetophenone		ND		11	380
Anthracene		ND		3.8	380
Atrazine		ND		10	380
Benzaldehyde		ND		14	380
Benzo[a]anthracene		35	J	3.8	380
Benzo[a]pyrene		37	J	3.8	380
Benzo[b]fluoranthene		44	J	3.8	380
Benzo[g,h,i]perylene		33	J	3.8	380
Benzo[k]fluoranthene		28	J	3.8	380
Bis(2-chloroethoxy)methane		ND		25	380
Bis(2-chloroethyl)ether		ND		2.3	380
Bis(2-ethylhexyl) phthalate		38	J	22	380
Butyl benzyl phthalate		ND		11	380
Caprolactam		ND		42	380
Carbazole		ND		31	380
Chrysene		38	J	1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Dibenzofuran		ND		3.8	380
Diethyl phthalate		ND		18	380
Dimethyl phthalate		ND		20	380

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605026.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	06/05/2012 1852			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	380
Di-n-octyl phthalate		ND		31	380
Fluoranthene		45	J	3.8	380
Fluorene		ND		3.8	380
Hexachlorobenzene		ND		2.4	380
Hexachlorobutadiene		ND		31	380
Hexachlorocyclopentadiene		ND		31	1800
Hexachloroethane		ND		10	380
Indeno[1,2,3-cd]pyrene		25	J	3.8	380
Isophorone		ND		15	380
Naphthalene		ND		3.8	380
Nitrobenzene		ND		2.5	380
N-Nitrosodi-n-propylamine		ND		31	380
N-Nitrosodiphenylamine		ND		24	380
Pentachlorophenol		ND		92	380
Phenol		ND		31	380
Phenanthrene		20	J	3.8	380
Pyrene		50	J	3.8	380
3 & 4 Methylphenol		ND		23	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	73		34 - 110
2-Fluorophenol (Surr)	85		26 - 110
2,4,6-Tribromophenol (Surr)	72		10 - 118
Nitrobenzene-d5 (Surr)	69		24 - 112
Phenol-d5 (Surr)	90		28 - 110
Terphenyl-d14 (Surr)	104		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605027.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	06/05/2012 1911			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	370
2,2'-oxybis[1-chloropropane]		ND		11	370
2,4,5-Trichlorophenol		ND		28	370
2,4,6-Trichlorophenol		ND		89	370
2,4-Dichlorophenol		ND		22	370
2,4-Dimethylphenol		ND		22	370
2,4-Dinitrophenol		ND		89	1800
2,4-Dinitrotoluene		ND		30	370
2,6-Dinitrotoluene		ND		23	370
2-Chloronaphthalene		ND		3.7	370
2-Chlorophenol		ND		30	370
2-Methylnaphthalene		17	J	3.7	370
2-Methylphenol		ND		89	370
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	370
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		89	1800
4-Bromophenyl phenyl ether		ND		14	370
4-Chloro-3-methylphenol		ND		23	370
4-Chloroaniline		ND		19	370
4-Chlorophenyl phenyl ether		ND		14	370
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		89	1800
Acenaphthene		19	J	3.7	370
Acenaphthylene		15	J	3.7	370
Acetophenone		ND		10	370
Anthracene		44	J	3.7	370
Atrazine		ND		10	370
Benzaldehyde		ND		13	370
Benzo[a]anthracene		150	J	3.7	370
Benzo[a]pyrene		130	J	3.7	370
Benzo[b]fluoranthene		150	J	3.7	370
Benzo[g,h,i]perylene		92	J	3.7	370
Benzo[k]fluoranthene		83	J	3.7	370
Bis(2-chloroethoxy)methane		ND		24	370
Bis(2-chloroethyl)ether		ND		2.2	370
Bis(2-ethylhexyl) phthalate		140	J	21	370
Butyl benzyl phthalate		ND		11	370
Caprolactam		ND		41	370
Carbazole		ND		30	370
Chrysene		160	J	1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Dibenzofuran		16	J	3.7	370
Diethyl phthalate		ND		18	370
Dimethyl phthalate		ND		19	370

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605027.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	06/05/2012 1911			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	370
Di-n-octyl phthalate		ND		30	370
Fluoranthene		250	J	3.7	370
Fluorene		27	J	3.7	370
Hexachlorobenzene		ND		2.3	370
Hexachlorobutadiene		ND		30	370
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		10	370
Indeno[1,2,3-cd]pyrene		66	J	3.7	370
Isophorone		ND		14	370
Naphthalene		18	J	3.7	370
Nitrobenzene		ND		2.4	370
N-Nitrosodi-n-propylamine		ND		30	370
N-Nitrosodiphenylamine		ND		23	370
Pentachlorophenol		ND		89	370
Phenol		ND		30	370
Phenanthrene		200	J	3.7	370
Pyrene		210	J	3.7	370
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	74		34 - 110
2-Fluorophenol (Surr)	81		26 - 110
2,4,6-Tribromophenol (Surr)	75		10 - 118
Nitrobenzene-d5 (Surr)	67		24 - 112
Phenol-d5 (Surr)	87		28 - 110
Terphenyl-d14 (Surr)	94		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605023.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/05/2012 1754			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	370
2,2'-oxybis[1-chloropropane]		ND		11	370
2,4,5-Trichlorophenol		ND		28	370
2,4,6-Trichlorophenol		ND		90	370
2,4-Dichlorophenol		ND		23	370
2,4-Dimethylphenol		ND		23	370
2,4-Dinitrophenol		ND		90	1800
2,4-Dinitrotoluene		ND		30	370
2,6-Dinitrotoluene		ND		24	370
2-Chloronaphthalene		ND		3.7	370
2-Chlorophenol		ND		30	370
2-Methylnaphthalene		ND		3.7	370
2-Methylphenol		ND		90	370
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	370
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		90	1800
4-Bromophenyl phenyl ether		ND		15	370
4-Chloro-3-methylphenol		ND		24	370
4-Chloroaniline		ND		19	370
4-Chlorophenyl phenyl ether		ND		15	370
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		90	1800
Acenaphthene		ND		3.7	370
Acenaphthylene		ND		3.7	370
Acetophenone		ND		10	370
Anthracene		ND		3.7	370
Atrazine		ND		10	370
Benzaldehyde		ND		14	370
Benzo[a]anthracene		ND		3.7	370
Benzo[a]pyrene		ND		3.7	370
Benzo[b]fluoranthene		ND		3.7	370
Benzo[g,h,i]perylene		ND		3.7	370
Benzo[k]fluoranthene		ND		3.7	370
Bis(2-chloroethoxy)methane		ND		25	370
Bis(2-chloroethyl)ether		ND		2.3	370
Bis(2-ethylhexyl) phthalate		690		21	370
Butyl benzyl phthalate		ND		11	370
Caprolactam		ND		42	370
Carbazole		ND		30	370
Chrysene		ND		1.2	370
Dibenz(a,h)anthracene		ND		3.7	370
Dibenzofuran		ND		3.7	370
Diethyl phthalate		140	J	18	370
Dimethyl phthalate		ND		19	370

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605023.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	06/05/2012 1754			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		21	J	17	370
Di-n-octyl phthalate		ND		30	370
Fluoranthene		43	J	3.7	370
Fluorene		ND		3.7	370
Hexachlorobenzene		ND		2.4	370
Hexachlorobutadiene		ND		30	370
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		10	370
Indeno[1,2,3-cd]pyrene		ND		3.7	370
Isophorone		ND		15	370
Naphthalene		ND		3.7	370
Nitrobenzene		ND		2.5	370
N-Nitrosodi-n-propylamine		ND		30	370
N-Nitrosodiphenylamine		ND		24	370
Pentachlorophenol		ND		90	370
Phenol		ND		30	370
Phenanthrene		ND		3.7	370
Pyrene		36	J	3.7	370
3 & 4 Methylphenol		ND		23	450

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	76		34 - 110
2-Fluorophenol (Surr)	93		26 - 110
2,4,6-Tribromophenol (Surr)	75		10 - 118
Nitrobenzene-d5 (Surr)	76		24 - 112
Phenol-d5 (Surr)	97		28 - 110
Terphenyl-d14 (Surr)	91		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300
Client Matrix: Solid % Moisture: 3.6 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46378	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20606026.D
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Analysis Date:	06/06/2012 1756			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		28	340
2,2'-oxybis[1-chloropropane]		ND		9.9	340
2,4,5-Trichlorophenol		ND		26	340
2,4,6-Trichlorophenol		ND		83	340
2,4-Dichlorophenol		ND		21	340
2,4-Dimethylphenol		ND		21	340
2,4-Dinitrophenol		ND		83	1700
2,4-Dinitrotoluene		ND		28	340
2,6-Dinitrotoluene		ND		22	340
2-Chloronaphthalene		ND		3.4	340
2-Chlorophenol		ND		28	340
2-Methylnaphthalene		ND		3.4	340
2-Methylphenol		ND		83	340
2-Nitroaniline		ND		9.4	1700
2-Nitrophenol		ND		28	340
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		83	1700
4-Bromophenyl phenyl ether		ND		13	340
4-Chloro-3-methylphenol		ND		22	340
4-Chloroaniline		ND		18	340
4-Chlorophenyl phenyl ether		ND		13	340
4-Nitroaniline		ND		27	1700
4-Nitrophenol		ND		83	1700
Acenaphthene		ND		3.4	340
Acenaphthylene		ND		3.4	340
Acetophenone		ND		9.5	340
Anthracene		ND		3.4	340
Atrazine		ND		9.4	340
Benzaldehyde		ND		12	340
Benzo[a]anthracene		14	J	3.4	340
Benzo[a]pyrene		ND		3.4	340
Benzo[b]fluoranthene		16	J	3.4	340
Benzo[g,h,i]perylene		ND		3.4	340
Benzo[k]fluoranthene		ND		3.4	340
Bis(2-chloroethoxy)methane		ND		23	340
Bis(2-chloroethyl)ether		ND		2.1	340
Bis(2-ethylhexyl) phthalate		23	J	20	340
Butyl benzyl phthalate		ND		10	340
Caprolactam		ND		38	340
Carbazole		ND		28	340
Chrysene		14	J	1.1	340
Dibenz(a,h)anthracene		ND		3.4	340
Dibenzofuran		ND		3.4	340
Diethyl phthalate		ND		17	340
Dimethyl phthalate		ND		18	340

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300
Client Matrix: Solid % Moisture: 3.6 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46378	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20606026.D
Dilution:	1.0			Initial Weight/Volume:	30.02 g
Analysis Date:	06/06/2012 1756			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	340
Di-n-octyl phthalate		ND		28	340
Fluoranthene		24	J	3.4	340
Fluorene		ND		3.4	340
Hexachlorobenzene		ND		2.2	340
Hexachlorobutadiene		ND		28	340
Hexachlorocyclopentadiene		ND		28	1700
Hexachloroethane		ND		9.3	340
Indeno[1,2,3-cd]pyrene		ND		3.4	340
Isophorone		ND		13	340
Naphthalene		ND		3.4	340
Nitrobenzene		ND		2.3	340
N-Nitrosodi-n-propylamine		ND		28	340
N-Nitrosodiphenylamine		ND		22	340
Pentachlorophenol		ND		83	340
Phenol		ND		28	340
Phenanthrene		15	J	3.4	340
Pyrene		20	J	3.4	340
3 & 4 Methylphenol		ND		21	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		34 - 110
2-Fluorophenol (Surr)	72		26 - 110
2,4,6-Tribromophenol (Surr)	52		10 - 118
Nitrobenzene-d5 (Surr)	60		24 - 112
Phenol-d5 (Surr)	80		28 - 110
Terphenyl-d14 (Surr)	88		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430
Client Matrix: Solid % Moisture: 9.6 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605025.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	06/05/2012 1833			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		30	360
2,2'-oxybis[1-chloropropane]		ND		11	360
2,4,5-Trichlorophenol		ND		28	360
2,4,6-Trichlorophenol		ND		88	360
2,4-Dichlorophenol		ND		22	360
2,4-Dimethylphenol		ND		22	360
2,4-Dinitrophenol		ND		88	1800
2,4-Dinitrotoluene		ND		30	360
2,6-Dinitrotoluene		ND		23	360
2-Chloronaphthalene		ND		3.6	360
2-Chlorophenol		ND		30	360
2-Methylnaphthalene		ND		3.6	360
2-Methylphenol		ND		88	360
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		30	360
3,3'-Dichlorobenzidine		ND		20	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		88	1800
4-Bromophenyl phenyl ether		ND		14	360
4-Chloro-3-methylphenol		ND		23	360
4-Chloroaniline		ND		19	360
4-Chlorophenyl phenyl ether		ND		14	360
4-Nitroaniline		ND		29	1800
4-Nitrophenol		ND		88	1800
Acenaphthene		ND		3.6	360
Acenaphthylene		8.2	J	3.6	360
Acetophenone		ND		10	360
Anthracene		10	J	3.6	360
Atrazine		ND		10	360
Benzaldehyde		ND		13	360
Benzo[a]anthracene		58	J	3.6	360
Benzo[a]pyrene		51	J	3.6	360
Benzo[b]fluoranthene		71	J	3.6	360
Benzo[g,h,i]perylene		47	J	3.6	360
Benzo[k]fluoranthene		37	J	3.6	360
Bis(2-chloroethoxy)methane		ND		24	360
Bis(2-chloroethyl)ether		ND		2.2	360
Bis(2-ethylhexyl) phthalate		40	J	21	360
Butyl benzyl phthalate		ND		11	360
Caprolactam		ND		41	360
Carbazole		ND		30	360
Chrysene		63	J	1.2	360
Dibenz(a,h)anthracene		ND		3.6	360
Dibenzofuran		ND		3.6	360
Diethyl phthalate		ND		18	360
Dimethyl phthalate		ND		19	360

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430
Client Matrix: Solid % Moisture: 9.6 Date Received: 05/24/2012 0800

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-45822	Lab File ID:	20605025.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Analysis Date:	06/05/2012 1833			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	360
Di-n-octyl phthalate		ND		30	360
Fluoranthene		88	J	3.6	360
Fluorene		ND		3.6	360
Hexachlorobenzene		ND		2.3	360
Hexachlorobutadiene		ND		30	360
Hexachlorocyclopentadiene		ND		30	1800
Hexachloroethane		ND		10	360
Indeno[1,2,3-cd]pyrene		40	J	3.6	360
Isophorone		ND		14	360
Naphthalene		ND		3.6	360
Nitrobenzene		ND		2.4	360
N-Nitrosodi-n-propylamine		ND		30	360
N-Nitrosodiphenylamine		ND		23	360
Pentachlorophenol		ND		88	360
Phenol		ND		30	360
Phenanthrene		40	J	3.6	360
Pyrene		77	J	3.6	360
3 & 4 Methylphenol		ND		22	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		34 - 110
2-Fluorophenol (Surr)	66		26 - 110
2,4,6-Tribromophenol (Surr)	69		10 - 118
Nitrobenzene-d5 (Surr)	51		24 - 112
Phenol-d5 (Surr)	64		28 - 110
Terphenyl-d14 (Surr)	96		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-45487	Instrument ID:	A2HP4
Prep Method:	3510C	Prep Batch:	240-45370	Initial Weight/Volume:	890 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/29/2012 1120			Injection Volume:	1 mL
Prep Date:	05/25/2012 1244			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.049	0.22
Aroclor-1221	ND		0.051	0.22
Aroclor-1232	ND		0.082	0.22
Aroclor-1242	ND		0.067	0.22
Aroclor-1248	ND		0.069	0.22
Aroclor-1254	ND		0.036	0.22
Aroclor-1260	ND		0.043	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	25	X	35 - 137
DCB Decachlorobiphenyl	2	X	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-45487	Instrument ID:	A2HP4
Prep Method:	3510C	Prep Batch:	240-45370	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/29/2012 1136			Injection Volume:	1 mL
Prep Date:	05/25/2012 1244			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.046	0.21
Aroclor-1221	ND		0.047	0.21
Aroclor-1232	ND		0.077	0.21
Aroclor-1242	ND		0.063	0.21
Aroclor-1248	ND		0.064	0.21
Aroclor-1254	ND		0.034	0.21
Aroclor-1260	ND		0.040	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	44		35 - 137
DCB Decachlorobiphenyl	7	X	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-45836	Initial Weight/Volume:	30.08 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2012 1423			Injection Volume:	1 mL
Prep Date:	05/31/2012 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		20	38
Aroclor-1254		ND		20	38
Aroclor-1260		ND		20	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		29 - 151
DCB Decachlorobiphenyl	66		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-45836	Initial Weight/Volume:	29.98 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2012 1438			Injection Volume:	1 mL
Prep Date:	05/31/2012 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		14	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		29 - 151
DCB Decachlorobiphenyl	60		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-45836	Initial Weight/Volume:	29.94 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2012 1453			Injection Volume:	1 mL
Prep Date:	05/31/2012 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		15	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		29 - 151
DCB Decachlorobiphenyl	50		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300
Client Matrix: Solid % Moisture: 3.6 Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-45836	Initial Weight/Volume:	29.96 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2012 1508			Injection Volume:	1 mL
Prep Date:	05/31/2012 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		22	34
Aroclor-1221		ND		17	34
Aroclor-1232		ND		15	34
Aroclor-1242		ND		14	34
Aroclor-1248		ND		18	34
Aroclor-1254		ND		18	34
Aroclor-1260		ND		18	34

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		29 - 151
DCB Decachlorobiphenyl	73		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430
Client Matrix: Solid % Moisture: 9.6 Date Received: 05/24/2012 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-45836	Initial Weight/Volume:	29.97 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/02/2012 1524			Injection Volume:	1 mL
Prep Date:	05/31/2012 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		14	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		29 - 151
DCB Decachlorobiphenyl	49		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-45482	Instrument ID:	A2HP5R
Prep Method:	3510C	Prep Batch:	240-45372	Lab File ID:	P5B52909.D
Dilution:	1.0			Initial Weight/Volume:	890 mL
Analysis Date:	05/29/2012 1241			Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.32	B	0.018	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-45482	Instrument ID:	A2HP5R
Prep Method:	3510C	Prep Batch:	240-45372	Lab File ID:	P5B52910.D
Dilution:	1.0			Initial Weight/Volume:	890 mL
Analysis Date:	05/29/2012 1311			Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.14	B	0.018	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60412.D
Dilution:	5.0			Initial Weight/Volume:	25.28 g
Analysis Date:	06/04/2012 1517			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		100	*	6.8	55

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60413.D
Dilution:	1.0			Initial Weight/Volume:	26.17 g
Analysis Date:	06/04/2012 1548			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		42	*	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46253	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60506.D
Dilution:	5.0			Initial Weight/Volume:	22.31 g
Analysis Date:	06/05/2012 1039			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		260	*	7.6	61

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-203(20120522)**

Lab Sample ID: 240-11623-1 Date Sampled: 05/22/2012 0700
Client Matrix: Water Date Received: 05/24/2012 0800

6010B Metals (ICP)-Total Recoverable

Analysis Method:	6010B	Analysis Batch:	240-45974	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1846			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	270		0.67	200
Aluminum	500		97	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	3.6	J	3.2	10
Beryllium	ND		0.46	5.0
Lead	ND		1.9	3.0
Calcium	170000	B	130	5000
Selenium	ND		4.1	5.0
Cobalt	17		1.7	7.0
Copper	ND		4.5	25
Iron	1800		81	100
Potassium	7800	B	72	5000
Magnesium	62000		34	5000
Manganese	2400	B	0.41	15
Sodium	82000		590	5000
Nickel	20	J	3.2	40
Thallium	ND		4.7	10
Vanadium	ND		0.64	7.0

Analysis Method:	6010B	Analysis Batch:	240-45974	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	06/01/2012 0831			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		1.8	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-45734	Instrument ID:	H4
Prep Method:	7470A	Prep Batch:	240-45485	Lab File ID:	053012B-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	05/30/2012 1702			Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1350				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209(20120522)**

Lab Sample ID: 240-11623-2 Date Sampled: 05/23/2012 1100
Client Matrix: Water Date Received: 05/24/2012 0800

6010B Metals (ICP)-Total Recoverable

Analysis Method:	6010B	Analysis Batch:	240-45974	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1733			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	240		0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	4.1	J	3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-45734	Instrument ID:	H4
Prep Method:	7470A	Prep Batch:	240-45485	Lab File ID:	053012B-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	05/30/2012 1641			Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1350				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/24/2012 0800

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	05/30/2012 2001			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		47	B	0.078	22
Cadmium		ND		0.039	0.22
Chromium		18		0.22	0.55
Silver		ND		0.11	0.55
Arsenic		3.6		0.33	1.1
Lead		6.4		0.21	0.33
Selenium		0.81		0.49	0.55

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	05/30/2012 1126			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035
Client Matrix: Solid % Moisture: 9.8 Date Received: 05/24/2012 0800

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Analysis Date:	05/30/2012 2018			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		49	B	0.068	19
Cadmium		ND		0.034	0.19
Chromium		29		0.19	0.48
Silver		ND		0.096	0.48
Arsenic		2.9		0.29	0.96
Lead		7.2		0.18	0.29
Selenium		ND		0.43	0.48

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	05/30/2012 1132			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.026	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/24/2012 0800

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	05/30/2012 2024			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3200		10	21
Antimony		1.3		0.42	1.1
Barium		74	B	0.076	21
Beryllium		0.16	J	0.046	0.53
Calcium		26000	B	17	530
Cadmium		ND		0.038	0.21
Cobalt		15		0.17	5.3
Chromium		6.9		0.21	0.53
Copper		7.0		0.79	2.7
Iron		8400	B	5.2	11
Potassium		700	B	6.6	530
Magnesium		13000		5.4	530
Manganese		460	B	0.079	1.6
Silver		ND		0.11	0.53
Sodium		1600		70	530
Nickel		11		0.29	4.3
Vanadium		14		0.13	5.3
Zinc		27	B	1.1	2.1
Arsenic		2.4		0.32	1.1
Lead		4.1		0.20	0.32
Selenium		0.60		0.48	0.53
Thallium		ND		0.59	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	05/30/2012 1133			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.015	0.098

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300
Client Matrix: Solid % Moisture: 3.6 Date Received: 05/24/2012 0800

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/30/2012 2030			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2900		9.7	20
Barium		49	B	0.072	20
Beryllium		0.12	J	0.043	0.50
Calcium		28000	B	16	500
Cadmium		ND		0.036	0.20
Cobalt		6.0		0.16	5.0
Chromium		11		0.20	0.50
Copper		10		0.75	2.5
Iron		11000	B	4.9	10
Potassium		460	J B	6.2	500
Magnesium		8900		5.1	500
Manganese		460	B	0.075	1.5
Silver		ND		0.10	0.50
Sodium		79	J	66	500
Nickel		12		0.27	4.0
Vanadium		14		0.12	5.0
Zinc		24	B	1.0	2.0
Arsenic		2.7		0.30	1.0
Lead		3.8		0.19	0.30
Selenium		0.69		0.45	0.50

Analysis Method:	6010B	Analysis Batch:	240-45974	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45326	Lab File ID:	I50531A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	06/01/2012 0838			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.53	J	0.39	1.0
Thallium		ND		0.55	1.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	05/30/2012 1137			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.015	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430
Client Matrix: Solid % Moisture: 9.6 Date Received: 05/24/2012 0800

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-45827	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	05/30/2012 2047			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4100		9.3	19
Antimony		ND		0.38	0.97
Barium		51	B	0.069	19
Beryllium		0.19	J	0.042	0.49
Calcium		41000	B	16	490
Cadmium		ND		0.035	0.19
Cobalt		6.7		0.16	4.9
Chromium		10		0.19	0.49
Copper		12		0.72	2.4
Iron		15000	B	4.8	9.7
Potassium		470	J B	6.0	490
Magnesium		19000		4.9	490
Manganese		740	B	0.072	1.5
Silver		ND		0.097	0.49
Sodium		ND		64	490
Nickel		14		0.26	3.9
Vanadium		17		0.12	4.9
Zinc		21	B	0.97	1.9
Arsenic		3.0		0.29	0.97
Lead		8.2		0.18	0.29
Selenium		0.46	J	0.44	0.49
Thallium		ND		0.53	0.97

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-45754	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.57 g
Analysis Date:	05/30/2012 1139			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.029	J	0.017	0.12

General Chemistry

Client Sample ID: **ASB-209_10-12(20120523)**

Lab Sample ID: 240-11623-4 Date Sampled: 05/23/2012 1030

Client Matrix: Solid Date Received: 05/24/2012 0800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-209_5-6.5(20120523)**

Lab Sample ID: 240-11623-5 Date Sampled: 05/23/2012 1035

Client Matrix: Solid Date Received: 05/24/2012 0800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N
Percent Moisture	9.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N

General Chemistry

Client Sample ID: **HA-208_0-2(20120523)**

Lab Sample ID: 240-11623-6 Date Sampled: 05/23/2012 0710

Client Matrix: Solid Date Received: 05/24/2012 0800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-210-_10-11.5(20120523)**

Lab Sample ID: 240-11623-7 Date Sampled: 05/23/2012 1300

Client Matrix: Solid Date Received: 05/24/2012 0800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N
Percent Moisture	3.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-211-_7.5-10(20120523)**

Lab Sample ID: 240-11623-8 Date Sampled: 05/23/2012 1430

Client Matrix: Solid Date Received: 05/24/2012 0800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N
Percent Moisture	9.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45380	Analysis Date: 05/25/2012 1308						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-45501					
LCS 240-45501/4	Lab Control Sample	T	Water	8260B	
MB 240-45501/5	Method Blank	T	Water	8260B	
240-11623-1	ASB-203(20120522)	T	Water	8260B	
240-11623-2	ASB-209(20120522)	T	Water	8260B	
240-11623-2MS	Matrix Spike	T	Water	8260B	
240-11623-2MSD	Matrix Spike Duplicate	T	Water	8260B	
Prep Batch: 240-45549					
LCS 240-45549/2-A	Lab Control Sample	T	Solid	5035	
MB 240-45549/1-A	Method Blank	T	Solid	5035	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	5035	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	5035	
240-11623-6	HA-208_0-2(20120523)	T	Solid	5035	
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	5035	
240-11623-7MS	Matrix Spike	T	Solid	5035	
240-11623-7MSD	Matrix Spike Duplicate	T	Solid	5035	
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	5035	
Analysis Batch:240-46002					
LCS 240-46002/4	Lab Control Sample	T	Water	8260B	
MB 240-46002/5	Method Blank	T	Water	8260B	
240-11623-3	TB-001(20120523	T	Water	8260B	
Analysis Batch:240-46058					
LCS 240-45549/2-A	Lab Control Sample	T	Solid	8260B	240-45549
MB 240-45549/1-A	Method Blank	T	Solid	8260B	240-45549
240-11623-4	ASB-209_10-12(20120523)	T	Solid	8260B	240-45549
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	8260B	240-45549
240-11623-6	HA-208_0-2(20120523)	T	Solid	8260B	240-45549
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	8260B	240-45549
240-11623-7MS	Matrix Spike	T	Solid	8260B	240-45549
240-11623-7MSD	Matrix Spike Duplicate	T	Solid	8260B	240-45549
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	8260B	240-45549

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-45337					
LCS 240-45337/21-A	Lab Control Sample	T	Water	3520C	
MB 240-45337/22-A	Method Blank	T	Water	3520C	
240-11623-1	ASB-203(20120522)	T	Water	3520C	
240-11624-AI-1-A MS	Matrix Spike	T	Water	3520C	
240-11624-AM-1-A MSD	Matrix Spike Duplicate	T	Water	3520C	
Prep Batch: 240-45413					
LCS 240-45413/24-A	Lab Control Sample	T	Water	3520C	
MB 240-45413/23-A	Method Blank	T	Water	3520C	
240-11623-2	ASB-209(20120522)	T	Water	3520C	
240-11623-2MS	Matrix Spike	T	Water	3520C	
240-11623-2MSD	Matrix Spike Duplicate	T	Water	3520C	
Analysis Batch:240-45689					
LCS 240-45337/21-A	Lab Control Sample	T	Water	8270C	240-45337
MB 240-45337/22-A	Method Blank	T	Water	8270C	240-45337
240-11623-1	ASB-203(20120522)	T	Water	8270C	240-45337
240-11624-AI-1-A MS	Matrix Spike	T	Water	8270C	240-45337
240-11624-AM-1-A MSD	Matrix Spike Duplicate	T	Water	8270C	240-45337
Prep Batch: 240-45822					
LCS 240-45822/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-45822/22-A	Method Blank	T	Solid	3540C	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	3540C	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	3540C	
240-11623-6	HA-208_0-2(20120523)	T	Solid	3540C	
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	3540C	
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	3540C	
240-11631-C-1-E MS	Matrix Spike	T	Solid	3540C	
240-11631-C-1-F MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-45860					
LCS 240-45413/24-A	Lab Control Sample	T	Water	8270C	240-45413
MB 240-45413/23-A	Method Blank	T	Water	8270C	240-45413
240-11623-2	ASB-209(20120522)	T	Water	8270C	240-45413
240-11623-2MS	Matrix Spike	T	Water	8270C	240-45413
240-11623-2MSD	Matrix Spike Duplicate	T	Water	8270C	240-45413
Prep Batch: 240-46062					
LCS 240-46062/18-A	Lab Control Sample	T	Water	3520C	
MB 240-46062/17-A	Method Blank	T	Water	3520C	
240-11623-2RE	ASB-209(20120522)	T	Water	3520C	
240-11623-2MSRE	Matrix Spike	T	Water	3520C	
240-11623-2MSDRE	Matrix Spike Duplicate	T	Water	3520C	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:240-46117					
LCS 240-45822/23-A	Lab Control Sample	T	Solid	8270C	240-45822
Analysis Batch:240-46239					
LCS 240-46062/18-A	Lab Control Sample	T	Water	8270C	240-46062
MB 240-46062/17-A	Method Blank	T	Water	8270C	240-46062
240-11623-2RE	ASB-209(20120522)	T	Water	8270C	240-46062
240-11623-2MSRE	Matrix Spike	T	Water	8270C	240-46062
240-11623-2MSDRE	Matrix Spike Duplicate	T	Water	8270C	240-46062
Analysis Batch:240-46255					
MB 240-45822/22-A	Method Blank	T	Solid	8270C	240-45822
240-11623-4	ASB-209_10-12(20120523)	T	Solid	8270C	240-45822
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	8270C	240-45822
240-11623-6	HA-208_0-2(20120523)	T	Solid	8270C	240-45822
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	8270C	240-45822
240-11631-C-1-E MS	Matrix Spike	T	Solid	8270C	240-45822
240-11631-C-1-F MSD	Matrix Spike Duplicate	T	Solid	8270C	240-45822
Analysis Batch:240-46378					
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	8270C	240-45822

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-45370					
LCS 240-45370/6-A	Lab Control Sample	T	Water	3510C	
MB 240-45370/5-A	Method Blank	T	Water	3510C	
240-11623-1	ASB-203(20120522)	T	Water	3510C	
240-11623-2	ASB-209(20120522)	T	Water	3510C	
240-11623-2MS	Matrix Spike	T	Water	3510C	
240-11623-2MSD	Matrix Spike Duplicate	T	Water	3510C	
Prep Batch: 240-45372					
LCS 240-45372/8-A	Lab Control Sample	T	Water	3510C	
LCSD 240-45372/9-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-45372/7-A	Method Blank	T	Water	3510C	
240-11623-1	ASB-203(20120522)	T	Water	3510C	
240-11623-2	ASB-209(20120522)	T	Water	3510C	
240-11623-2MS	Matrix Spike	T	Water	3510C	
240-11623-2MSD	Matrix Spike Duplicate	T	Water	3510C	
Analysis Batch:240-45482					
LCSD 240-45372/9-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-45372
MB 240-45372/7-A	Method Blank	T	Water	WI-DRO	240-45372
240-11623-1	ASB-203(20120522)	T	Water	WI-DRO	240-45372
240-11623-2	ASB-209(20120522)	T	Water	WI-DRO	240-45372
240-11623-2MSD	Matrix Spike Duplicate	T	Water	WI-DRO	240-45372
Analysis Batch:240-45487					
LCS 240-45370/6-A	Lab Control Sample	T	Water	8082	240-45370
MB 240-45370/5-A	Method Blank	T	Water	8082	240-45370
240-11623-1	ASB-203(20120522)	T	Water	8082	240-45370
240-11623-2	ASB-209(20120522)	T	Water	8082	240-45370
240-11623-2MS	Matrix Spike	T	Water	8082	240-45370
240-11623-2MSD	Matrix Spike Duplicate	T	Water	8082	240-45370
Analysis Batch:240-45800					
LCS 240-45372/8-A	Lab Control Sample	T	Water	WI-DRO	240-45372
240-11623-2MS	Matrix Spike	T	Water	WI-DRO	240-45372
Prep Batch: 240-45836					
LCS 240-45836/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-45836/24-A	Method Blank	T	Solid	3540C	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	3540C	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	3540C	
240-11623-6	HA-208_0-2(20120523)	T	Solid	3540C	
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	3540C	
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	3540C	
240-11631-D-1-F MS	Matrix Spike	T	Solid	3540C	
240-11631-D-1-G MSD	Matrix Spike Duplicate	T	Solid	3540C	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-45889					
LCS 240-45889/14-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-45889/15-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-45889/13-A	Method Blank	T	Solid	WI DRO PREP	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	WI DRO PREP	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	WI DRO PREP	
240-11623-6	HA-208_0-2(20120523)	T	Solid	WI DRO PREP	
Analysis Batch:240-46054					
LCS 240-45836/23-A	Lab Control Sample	T	Solid	8082	240-45836
MB 240-45836/24-A	Method Blank	T	Solid	8082	240-45836
240-11623-4	ASB-209_10-12(20120523)	T	Solid	8082	240-45836
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	8082	240-45836
240-11623-6	HA-208_0-2(20120523)	T	Solid	8082	240-45836
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	8082	240-45836
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	8082	240-45836
240-11631-D-1-F MS	Matrix Spike	T	Solid	8082	240-45836
240-11631-D-1-G MSD	Matrix Spike Duplicate	T	Solid	8082	240-45836
Analysis Batch:240-46146					
LCSD 240-45889/15-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-45889
MB 240-45889/13-A	Method Blank	T	Solid	WI-DRO	240-45889
240-11623-4	ASB-209_10-12(20120523)	T	Solid	WI-DRO	240-45889
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	WI-DRO	240-45889
Analysis Batch:240-46253					
LCS 240-45889/14-A	Lab Control Sample	T	Solid	WI-DRO	240-45889
240-11623-6	HA-208_0-2(20120523)	T	Solid	WI-DRO	240-45889

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-45326					
LCS 240-45326/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-45326/1-A	Method Blank	T	Solid	3050B	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	3050B	
240-11623-4MS	Matrix Spike	T	Solid	3050B	
240-11623-4MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	3050B	
240-11623-6	HA-208_0-2(20120523)	T	Solid	3050B	
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	3050B	
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	3050B	
Prep Batch: 240-45344					
LCS 240-45344/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-45344/1-A	Method Blank	T	Solid	7471A	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	7471A	
240-11623-4MS	Matrix Spike	T	Solid	7471A	
240-11623-4MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	7471A	
240-11623-6	HA-208_0-2(20120523)	T	Solid	7471A	
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	7471A	
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	7471A	
Prep Batch: 240-45485					
LCS 240-45485/2-A	Lab Control Sample	T	Water	7470A	
MB 240-45404/1-C	Method Blank	T	Water	7470A	
240-11623-1	ASB-203(20120522)	T	Water	7470A	
240-11623-2	ASB-209(20120522)	T	Water	7470A	
240-11623-2MS	Matrix Spike	T	Water	7470A	
240-11623-2MSD	Matrix Spike Duplicate	T	Water	7470A	
Prep Batch: 240-45605					
LCS 240-45605/2-A	Lab Control Sample	R	Water	3005A	
MB 240-45605/1-A	Method Blank	R	Water	3005A	
240-11623-1	ASB-203(20120522)	R	Water	3005A	
240-11623-2	ASB-209(20120522)	R	Water	3005A	
240-11623-2MS	Matrix Spike	R	Water	3005A	
240-11623-2MSD	Matrix Spike Duplicate	R	Water	3005A	
Analysis Batch:240-45734					
LCS 240-45485/2-A	Lab Control Sample	T	Water	7470A	240-45485
MB 240-45404/1-C	Method Blank	T	Water	7470A	240-45485
240-11623-1	ASB-203(20120522)	T	Water	7470A	240-45485
240-11623-2	ASB-209(20120522)	T	Water	7470A	240-45485
240-11623-2MS	Matrix Spike	T	Water	7470A	240-45485
240-11623-2MSD	Matrix Spike Duplicate	T	Water	7470A	240-45485

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-45754					
LCS 240-45344/2-A	Lab Control Sample	T	Solid	7471A	240-45344
MB 240-45344/1-A	Method Blank	T	Solid	7471A	240-45344
240-11623-4	ASB-209_10-12(20120523)	T	Solid	7471A	240-45344
240-11623-4MS	Matrix Spike	T	Solid	7471A	240-45344
240-11623-4MSD	Matrix Spike Duplicate	T	Solid	7471A	240-45344
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	7471A	240-45344
240-11623-6	HA-208_0-2(20120523)	T	Solid	7471A	240-45344
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	7471A	240-45344
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	7471A	240-45344
Analysis Batch:240-45827					
LCS 240-45326/2-A	Lab Control Sample	T	Solid	6010B	240-45326
MB 240-45326/1-A	Method Blank	T	Solid	6010B	240-45326
240-11623-4	ASB-209_10-12(20120523)	T	Solid	6010B	240-45326
240-11623-4MS	Matrix Spike	T	Solid	6010B	240-45326
240-11623-4MSD	Matrix Spike Duplicate	T	Solid	6010B	240-45326
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	6010B	240-45326
240-11623-6	HA-208_0-2(20120523)	T	Solid	6010B	240-45326
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	6010B	240-45326
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	6010B	240-45326
Analysis Batch:240-45974					
LCS 240-45605/2-A	Lab Control Sample	R	Water	6010B	240-45605
MB 240-45605/1-A	Method Blank	R	Water	6010B	240-45605
240-11623-1	ASB-203(20120522)	R	Water	6010B	240-45605
240-11623-2	ASB-209(20120522)	R	Water	6010B	240-45605
240-11623-2MS	Matrix Spike	R	Water	6010B	240-45605
240-11623-2MSD	Matrix Spike Duplicate	R	Water	6010B	240-45605
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	6010B	240-45326

Report Basis

R = Total Recoverable

T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-45380					
240-11609-A-1 DU	Duplicate	T	Solid	Moisture	
240-11623-4	ASB-209_10-12(20120523)	T	Solid	Moisture	
240-11623-5	ASB-209_5-6.5(20120523)	T	Solid	Moisture	
240-11623-6	HA-208_0-2(20120523)	T	Solid	Moisture	
240-11623-7	ASB-210-_10-11.5(20120523)	T	Solid	Moisture	
240-11623-8	ASB-211-_7.5-10(20120523)	T	Solid	Moisture	

Report Basis
T = Total

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-11623-4	ASB-209_10-12(20120523)	99	96	88	96
240-11623-5	ASB-209_5-6.5(20120523)	104	98	90	96
240-11623-6	HA-208_0-2(20120523)	95	95	85	92
240-11623-7	ASB-210-_10-11.5(20120523)	98	95	84	90
240-11623-8	ASB-211-_7.5-10(20120523)	98	100	89	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 240-45549/1-A		107	102	94	95
LCS 240-45549/2-A		104	100	92	97
MRL 240-46058/5		87	94	92	90
240-11623-7 MS	ASB-210-_10-11.5(20120523) MS	94	95	88	88
240-11623-7 MSD	ASB-210-_10-11.5(20120523) MSD	97	95	93	89

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-11623-1	ASB-203(20120522)	108	90	89	96
240-11623-2	ASB-209(20120522)	103	86	87	91
240-11623-3	TB-001(20120523	114	85	90	92
MB 240-45501/5		115	92	95	102
MB 240-46002/5		121	90	95	101
LCS 240-45501/4		108	102	101	100
LCS 240-46002/4		119	103	103	103
240-11623-2 MS	ASB-209(20120522) MS	103	94	94	93
240-11623-2 MSD	ASB-209(20120522) MSD	103	99	96	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-11623-4	ASB-209_10-12(20120523)	73	85	72	69	90	104
240-11623-5	ASB-209_5-6.5(20120523)	74	81	75	67	87	94
240-11623-6	HA-208_0-2(20120523)	76	93	75	76	97	91
240-11623-7	ASB-210-_10-11.5(20120523)	60	72	52	60	80	88
240-11623-8	ASB-211-_7.5-10(20120523)	54	66	69	51	64	96
MB 240-45822/22-A		67	82	72	70	84	101
LCS 240-45822/23-A		56	72	75	57	73	81
240-11631-C-1-E MS		61	68	66	60	73	91
240-11631-C-1-F MSD		68	83	81	66	87	92

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-11623-1	ASB-203(20120522)	40	59	63	35	67	8X
240-11623-2 RE	ASB-209(20120522) RE	45	57	53	53	57	50
240-11623-2	ASB-209(20120522)	47	57	65	55	61	24X
MB 240-45337/22-A		57	62	62	55	66	87
MB 240-45413/23-A		55	55	61	58	55	85
MB 240-46062/17-A		47	57	44	54	59	63
LCS 240-45337/21-A		64	71	80	66	76	85
LCS 240-45413/24-A		69	65	81	70	67	91
LCS 240-46062/18-A		64	81	71	74	85	80
240-11623-2 MS RE	ASB-209(20120522) MS RE	42	55	54	51	57	37
240-11623-2 MS	ASB-209(20120522) MS	57	58	74	59	61	46
240-11624-AI-1-A MS		49	52	62	48	55	64
240-11623-2 MSD RE	ASB-209(20120522) MSD RE	34	45	38	41	47	35X
240-11623-2 MSD	ASB-209(20120522) MSD	63	65	75	63	69	46
240-11624-AM-1-A MSD		66	73	80	66	79	79

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-11623-4	ASB-209_10-12(20120523)	82	66
240-11623-5	ASB-209_5-6.5(20120523)	80	60
240-11623-6	HA-208_0-2(20120523)	75	50
240-11623-7	ASB-210-_10-11.5(20120523)	86	73
240-11623-8	ASB-211-_7.5-10(20120523)	58	49
MB 240-45836/24-A		91	67
LCS 240-45836/23-A		101	87
240-11631-D-1-F MS		81	78
240-11631-D-1-G MSD		76	77

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc.

Job Number: 240-11623-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-11623-1	ASB-203(20120522)	25X	2X
240-11623-2	ASB-209(20120522)	44	7X
MB 240-45370/5-A		98	91
LCS 240-45370/6-A		98	91
240-11623-2 MS	ASB-209(20120522) MS	38	0X
240-11623-2 MSD	ASB-209(20120522) MSD	56	13

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45501

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-45501/5	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1211	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1211				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.383	J	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	0.208	J	0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Allyl chloride	ND		0.35	2.0
4-Chlorotoluene	ND		0.18	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Bromodichloromethane	ND		0.15	1.0
Cyclohexane	ND		0.12	1.0
Dibromomethane	ND		0.28	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,2-Dibromoethane	ND		0.24	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45501

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-45501/5	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1211	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1211				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
Hexachlorobutadiene	0.574	J	0.30	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
m-Xylene & p-Xylene	ND		0.24	2.0
Methyl tert butyl ether	ND		0.17	5.0
Naphthalene	ND		0.24	1.0
Methylene Chloride	1.03		0.33	1.0
n-Butylbenzene	ND		0.12	1.0
N-Propylbenzene	ND		0.14	1.0
o-Xylene	ND		0.14	1.0
p-Isopropyltoluene	ND		0.12	1.0
sec-Butylbenzene	ND		0.13	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Trichlorofluoromethane	ND		0.21	1.0
Chlorodibromomethane	ND		0.18	1.0
Vinyl chloride	ND		0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	63 - 129
4-Bromofluorobenzene (Surr)	92	66 - 117
Toluene-d8 (Surr)	95	74 - 115
Dibromofluoromethane (Surr)	102	75 - 121

Lab Control Sample - Batch: 240-45501

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-45501/4	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1148	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1148				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	11.4	114	72 - 116	
1,1,1-Trichloroethane	10.0	10.8	108	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.69	97	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.8	128	74 - 151	
1,1,2-Trichloroethane	10.0	11.3	113	80 - 112	*
1,1-Dichloroethane	10.0	10.6	106	82 - 115	
1,1-Dichloroethene	10.0	9.85	99	78 - 131	
1,1-Dichloropropene	10.0	11.0	110	83 - 114	
1,2,3-Trichlorobenzene	10.0	10.2	102	54 - 126	
1,2,3-Trichloropropane	10.0	10.5	105	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.60	96	48 - 135	
1,2,4-Trimethylbenzene	10.0	10.1	101	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	9.85	99	42 - 136	
1,2-Dichlorobenzene	10.0	10.2	102	81 - 110	
1,2-Dichloroethane	10.0	12.2	122	71 - 127	
1,2-Dichloropropane	10.0	11.2	112	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.94	99	72 - 118	
1,3-Dichlorobenzene	10.0	10.5	105	80 - 110	
1,3-Dichloropropane	10.0	10.6	106	79 - 116	
1,4-Dichlorobenzene	10.0	10.1	101	82 - 110	
2,2-Dichloropropane	10.0	11.5	115	50 - 129	
2-Chlorotoluene	10.0	9.86	99	76 - 116	
2-Hexanone	20.0	23.6	118	55 - 133	
4-Chlorotoluene	10.0	10.1	101	77 - 115	
Acetone	20.0	20.5	103	43 - 136	
Benzene	10.0	10.3	103	83 - 112	
Bromobenzene	10.0	10.4	104	76 - 115	
Bromochloromethane	10.0	10.9	109	77 - 120	
Bromoform	10.0	10.0	100	40 - 131	
Bromomethane	10.0	5.56	56	11 - 185	
Carbon disulfide	10.0	8.88	89	62 - 142	
Carbon tetrachloride	10.0	10.3	103	66 - 128	
Chlorobenzene	10.0	10.5	105	85 - 110	
Chloroethane	10.0	5.31	53	25 - 153	
Chloroform	10.0	10.3	103	79 - 117	
Chloromethane	10.0	8.08	81	44 - 126	
cis-1,2-Dichloroethene	10.0	9.75	98	80 - 113	
cis-1,3-Dichloropropene	10.0	9.59	96	61 - 115	
Bromodichloromethane	10.0	11.6	116	72 - 121	
Cyclohexane	10.0	11.1	111	54 - 121	
Dibromomethane	10.0	11.7	117	81 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45501

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-45501/4	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1148	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1148				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	8.90	89	19 - 129	
1,2-Dibromoethane	10.0	11.2	112	79 - 113	
Ethyl ether	10.0	11.4	114	53 - 135	
Ethylbenzene	10.0	10.3	103	83 - 112	
Hexachlorobutadiene	10.0	9.55	96	36 - 134	
Isopropylbenzene	10.0	10.3	103	75 - 114	
Methyl acetate	10.0	12.8	128	58 - 131	
2-Butanone (MEK)	20.0	22.8	114	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	23.9	120	63 - 128	
m-Xylene & p-Xylene	20.0	20.8	104	83 - 113	
Methyl tert butyl ether	10.0	9.67	97	52 - 144	
Naphthalene	10.0	9.51	95	32 - 141	
Methylene Chloride	10.0	10.3	103	66 - 131	
n-Butylbenzene	10.0	9.52	95	66 - 125	
N-Propylbenzene	10.0	10.3	103	74 - 121	
o-Xylene	10.0	10.3	103	83 - 113	
p-Isopropyltoluene	10.0	10.3	103	74 - 120	
sec-Butylbenzene	10.0	9.43	94	70 - 117	
Styrene	10.0	11.0	110	79 - 114	
tert-Butylbenzene	10.0	10.2	102	71 - 115	
Tetrachloroethene	10.0	11.4	114	79 - 114	
Tetrahydrofuran	10.0	10.6	106	23 - 143	
Toluene	10.0	10.3	103	84 - 111	
trans-1,2-Dichloroethene	10.0	9.67	97	83 - 117	
trans-1,3-Dichloropropene	10.0	9.72	97	58 - 117	
Trichloroethene	10.0	11.3	113	76 - 117	
Methylcyclohexane	10.0	9.96	100	56 - 127	
Trichlorofluoromethane	10.0	9.20	92	49 - 157	
Chlorodibromomethane	10.0	10.2	102	64 - 119	
Vinyl chloride	10.0	8.34	83	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	63 - 129
4-Bromofluorobenzene (Surr)	102	66 - 117
Toluene-d8 (Surr)	101	74 - 115
Dibromofluoromethane (Surr)	100	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45501

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6411.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1405			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1405				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6412.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1428			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1428				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	98	100	64 - 118	2	30		
1,1,1-Trichloroethane	94	97	68 - 121	2	30		
1,1,2,2-Tetrachloroethane	85	87	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	120	112	70 - 152	7	30		
1,1,2-Trichloroethane	98	100	75 - 115	2	30		
1,1-Dichloroethane	95	96	79 - 116	1	30		
1,1-Dichloroethene	91	91	74 - 135	1	30		
1,1-Dichloropropene	98	96	80 - 114	2	30		
1,2,3-Trichlorobenzene	77	79	45 - 129	2	30		
1,2,3-Trichloropropane	94	95	67 - 132	1	30		
1,2,4-Trichlorobenzene	73	75	38 - 138	2	30		
1,2,4-Trimethylbenzene	83	83	67 - 124	0	30		
1,2-Dibromo-3-Chloropropane	94	96	32 - 139	2	30		
1,2-Dichlorobenzene	84	84	75 - 111	0	30		
1,2-Dichloroethane	110	107	68 - 129	3	30		
1,2-Dichloropropane	97	97	78 - 115	0	30		
1,3,5-Trimethylbenzene	84	83	63 - 121	0	30		
1,3-Dichlorobenzene	85	86	73 - 110	0	30		
1,3-Dichloropropane	95	93	74 - 118	2	30		
1,4-Dichlorobenzene	84	85	75 - 110	1	30		
2,2-Dichloropropane	101	104	38 - 127	3	30		
2-Chlorotoluene	84	82	69 - 117	3	30		
2-Hexanone	109	113	47 - 139	3	30		
Bromobenzene	88	88	71 - 116	1	30		
Bromochloromethane	95	93	73 - 121	1	30		
4-Chlorotoluene	84	86	71 - 116	2	30		
p-Isopropyltoluene	86	88	64 - 122	2	30		
Acetone	87	87	33 - 145	1	30		
Benzene	90	90	72 - 121	1	30		
Bromoform	89	88	32 - 128	1	30		
Bromomethane	49	52	10 - 186	6	30		
Carbon disulfide	85	83	57 - 147	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45501

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6411.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1405			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1405				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6412.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1428			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1428				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon tetrachloride	95	92	59 - 129	3	30		
Chlorobenzene	88	91	80 - 110	3	30		
Chloroethane	63	66	21 - 165	4	30		
Chloroform	91	90	76 - 118	1	30		
Chloromethane	67	69	33 - 132	3	30		
cis-1,2-Dichloroethene	87	88	70 - 120	1	30		
cis-1,3-Dichloropropene	79	74	51 - 110	6	30		
Cyclohexane	99	99	49 - 123	1	30		
Hexachlorobutadiene	74	75	27 - 132	2	30		
Dibromomethane	107	103	77 - 121	4	30		
Bromodichloromethane	100	99	67 - 120	1	30		
Dichlorodifluoromethane	87	77	17 - 128	12	30		
Ethyl ether	100	102	63 - 136	2	30		
Ethylbenzene	90	88	75 - 116	2	30		
1,2-Dibromoethane	97	96	74 - 113	1	30		
Naphthalene	75	77	15 - 158	3	30		
m-Xylene & p-Xylene	89	90	75 - 117	1	30		
n-Butylbenzene	78	77	56 - 127	1	30		
Isopropylbenzene	88	88	68 - 116	0	30		
Methyl acetate	116	111	47 - 130	4	30		
N-Propylbenzene	85	84	64 - 124	2	30		
2-Butanone (MEK)	97	99	54 - 129	2	30		
4-Methyl-2-pentanone (MIBK)	108	111	56 - 131	3	30		
sec-Butylbenzene	78	77	60 - 119	2	30		
Methyl tert butyl ether	84	88	46 - 144	4	30		
Methylene Chloride	75	75	63 - 128	1	30		
o-Xylene	89	91	76 - 116	2	30		
Styrene	92	91	71 - 117	2	30		
tert-Butylbenzene	84	75	61 - 119	11	30		
Tetrachloroethene	99	99	70 - 117	0	30		
Tetrahydrofuran	92	105	10 - 167	14	30		
Toluene	89	90	78 - 114	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45501

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6411.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1405			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1405				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45501	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6412.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2012 1428			Final Weight/Volume:	5 mL
Prep Date:	05/27/2012 1428				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	86	88	80 - 119	2	30		
trans-1,3-Dichloropropene	84	77	46 - 116	9	30		
Trichloroethene	83	82	66 - 120	1	30		
Trichlorofluoromethane	95	89	46 - 157	6	30		
Vinyl chloride	76	74	49 - 130	2	30		
Methylcyclohexane	91	90	49 - 127	2	30		
Chlorodibromomethane	90	91	56 - 118	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	103	63 - 129
4-Bromofluorobenzene (Surr)	94	99	66 - 117
Toluene-d8 (Surr)	94	96	74 - 115
Dibromofluoromethane (Surr)	93	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-45549/1-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Bromodichloromethane	ND		9.9	250
Cyclohexane	ND		40	500
Dibromomethane	ND		14	250
Dichlorodifluoromethane	18.9	J	16	250
1,2-Dibromoethane	ND		10	250
Dichlorofluoromethane	ND		25	500

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-45549/1-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
2-Butanone (MEK)	ND		43	1000
4-Methyl-2-pentanone (MIBK)	ND		48	1000
m-Xylene & p-Xylene	ND		6.2	500
Methyl tert butyl ether	ND		7.1	1000
Naphthalene	ND		6.7	250
Methylene Chloride	ND		77	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Methylcyclohexane	ND		12	500
Trichlorofluoromethane	ND		16	250
Chlorodibromomethane	ND		12	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	39 - 128
4-Bromofluorobenzene (Surr)	102	26 - 141
Toluene-d8 (Surr)	94	33 - 134
Dibromofluoromethane (Surr)	95	30 - 122

Lab Control Sample - Batch: 240-45549

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-45549/2-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88993.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	347	69	27 - 121	
1,1,1-Trichloroethane	500	446	89	38 - 122	
1,1,2,2-Tetrachloroethane	500	485	97	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	520	104	48 - 151	
1,1,2-Trichloroethane	500	530	106	74 - 114	
1,1-Dichloroethane	500	545	109	63 - 117	
1,1-Dichloroethene	500	520	104	44 - 143	
1,1-Dichloropropene	500	535	107	60 - 123	
1,2,3-Trichlorobenzene	500	437	87	43 - 129	
1,2,3-Trichloropropane	500	540	108	74 - 124	
1,2,4-Trichlorobenzene	500	421	84	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	271	54	10 - 129	J
1,2-Dichlorobenzene	500	484	97	68 - 118	
1,2-Dichloroethane	500	540	108	68 - 119	
1,2-Dichloropropane	500	545	109	73 - 113	
1,3,5-Trimethylbenzene	500	493	99	60 - 130	
1,3-Dichlorobenzene	500	490	98	66 - 121	
1,3-Dichloropropane	500	505	101	74 - 119	
1,4-Dichlorobenzene	500	471	94	65 - 119	
2,2-Dichloropropane	500	373	75	25 - 123	
2-Chlorotoluene	500	497	99	68 - 122	
2-Hexanone	1000	990	99	43 - 130	J
4-Chlorotoluene	500	505	101	68 - 122	
Acetone	1000	1040	104	16 - 156	
Benzene	500	520	104	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	505	101	56 - 128	
Bromoform	500	333	67	10 - 117	
Bromomethane	500	238	48	10 - 114	J
Carbon disulfide	500	367	73	10 - 132	
Carbon tetrachloride	500	332	66	29 - 118	
Chlorobenzene	500	500	100	71 - 116	
Chloroethane	500	349	70	10 - 120	
Chloroform	500	510	102	63 - 116	
Chloromethane	500	510	102	25 - 110	
cis-1,2-Dichloroethene	500	510	102	60 - 125	
cis-1,3-Dichloropropene	500	355	71	25 - 120	
Bromodichloromethane	500	407	81	28 - 123	
Cyclohexane	500	495	99	40 - 120	J
Dibromomethane	500	540	108	68 - 118	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45549

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-45549/2-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88993.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	500	408	82	10 - 110	
1,2-Dibromoethane	500	435	87	47 - 123	
Ethyl ether	500	590	118	70 - 130	
Ethylbenzene	500	520	104	66 - 119	
Hexachlorobutadiene	500	430	86	34 - 135	
Isopropylbenzene	500	494	99	61 - 123	
Methyl acetate	500	680	136	44 - 173	
2-Butanone (MEK)	1000	1040	104	10 - 199	
4-Methyl-2-pentanone (MIBK)	1000	1050	105	49 - 121	
m-Xylene & p-Xylene	1000	1000	100	67 - 118	
Methyl tert butyl ether	500	540	108	34 - 157	J
Naphthalene	500	419	84	37 - 126	
Methylene Chloride	500	505	101	27 - 172	
n-Butylbenzene	500	491	98	51 - 137	
N-Propylbenzene	500	515	103	64 - 130	
o-Xylene	500	515	103	68 - 120	
p-Isopropyltoluene	500	510	102	56 - 136	
sec-Butylbenzene	500	481	96	58 - 131	
Styrene	500	500	100	60 - 120	
tert-Butylbenzene	500	460	92	58 - 128	
Tetrachloroethene	500	494	99	58 - 131	
Tetrahydrofuran	500	478	96	70 - 130	J
Toluene	500	492	98	66 - 123	
trans-1,2-Dichloroethene	500	505	101	58 - 121	
trans-1,3-Dichloropropene	500	366	73	22 - 122	
Trichloroethene	500	498	100	59 - 124	
Methylcyclohexane	500	486	97	41 - 133	J
Trichlorofluoromethane	500	515	103	17 - 145	
Chlorodibromomethane	500	327	65	22 - 113	
Vinyl chloride	500	605	121	33 - 110	*

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	39 - 128
4-Bromofluorobenzene (Surr)	100	26 - 141
Toluene-d8 (Surr)	92	33 - 134
Dibromofluoromethane (Surr)	97	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45549

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-11623-7	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX89001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.21 g
Analysis Date:	06/02/2012 0724			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-7	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX89002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.01 g
Analysis Date:	06/02/2012 0745			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	51	55	19 - 124	10	30		
1,1,1-Trichloroethane	75	76	10 - 159	3	30		
1,1,2,2-Tetrachloroethane	88	95	16 - 158	10	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	98	92	23 - 168	4	30		
1,1,2-Trichloroethane	99	102	34 - 152	5	30		
1,1-Dichloroethane	102	98	18 - 160	2	30		
1,1-Dichloroethene	98	91	10 - 179	5	30		
1,1-Dichloropropene	97	96	42 - 126	1	30		
1,2,3-Trichlorobenzene	89	85	10 - 123	3	30		
1,2,3-Trichloropropane	102	104	54 - 142	4	30		
1,2,4-Trichlorobenzene	86	80	10 - 136	6	30		
1,2,4-Trimethylbenzene	99	100	10 - 199	2	30		
1,2-Dibromo-3-Chloropropane	44	49	10 - 137	13	30	J	J
1,2-Dichlorobenzene	97	92	27 - 126	4	30		
1,2-Dichloroethane	104	99	25 - 150	3	30		
1,2-Dichloropropane	102	106	58 - 118	6	30		
1,3,5-Trimethylbenzene	97	99	10 - 173	4	30		
1,3-Dichlorobenzene	96	95	29 - 124	1	30		
1,3-Dichloropropane	103	102	58 - 117	1	30		
1,4-Dichlorobenzene	92	89	30 - 123	1	30		
2,2-Dichloropropane	65	73	26 - 127	14	30		
2-Chlorotoluene	100	103	51 - 118	5	30		
2-Hexanone	92	97	21 - 141	7	30	J	
4-Chlorotoluene	101	102	43 - 120	3	30		
Acetone	79	81	10 - 142	4	30	J	J
Benzene	98	99	10 - 199	2	30		
Bromobenzene	100	102	49 - 119	4	30		
Bromochloromethane	98	89	42 - 123	8	30		
Bromoform	50	52	10 - 147	5	30		
Bromomethane	50	44	10 - 151	12	30		J
Carbon disulfide	66	64	10 - 155	2	30		
Carbon tetrachloride	52	52	12 - 135	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45549

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-11623-7	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX89001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.21 g
Analysis Date:	06/02/2012 0724			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-7	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX89002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.01 g
Analysis Date:	06/02/2012 0745			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	102	99	47 - 118	1	30		
Chloroethane	67	65	10 - 168	0	30		
Chloroform	97	95	51 - 120	0	30		
Chloromethane	95	91	16 - 115	2	30		
cis-1,2-Dichloroethene	103	97	34 - 137	4	30		
cis-1,3-Dichloropropene	63	64	19 - 121	3	30		
Bromodichloromethane	70	70	18 - 133	3	30		
Cyclohexane	96	91	10 - 154	4	30	J	J
Dibromomethane	102	103	45 - 121	3	30		
Dichlorodifluoromethane	64	64	10 - 113	2	30		
1,2-Dibromoethane	76	76	32 - 127	2	30		
Ethyl ether	104	103	70 - 130	1	30		
Ethylbenzene	101	99	27 - 143	1	30		
Hexachlorobutadiene	85	77	10 - 134	8	30		
Isopropylbenzene	98	95	39 - 126	1	30		
Methyl acetate	131	137	10 - 175	6	30		
2-Butanone (MEK)	91	95	10 - 172	5	30	J	J
4-Methyl-2-pentanone (MIBK)	98	97	19 - 151	1	30	J	
m-Xylene & p-Xylene	98	99	14 - 151	2	30		
Methyl tert butyl ether	106	105	26 - 159	1	30	J	J
Naphthalene	91	84	10 - 199	6	30		
Methylene Chloride	104	101	10 - 148	1	30		
n-Butylbenzene	95	91	13 - 154	3	30		
N-Propylbenzene	102	105	41 - 135	5	30		
o-Xylene	101	101	18 - 151	2	30		
p-Isopropyltoluene	100	98	33 - 139	0	30		
sec-Butylbenzene	97	97	41 - 133	1	30		
Styrene	100	98	31 - 137	0	30		
tert-Butylbenzene	105	92	45 - 132	11	30		
Tetrachloroethene	97	94	19 - 153	2	30		
Tetrahydrofuran	83	89	70 - 130	9	30	J	J
Toluene	97	97	10 - 168	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45549

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	240-11623-7	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX89001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.21 g
Analysis Date:	06/02/2012 0724			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-7	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX89002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.01 g
Analysis Date:	06/02/2012 0745			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	99	95	40 - 126	2	30		
trans-1,3-Dichloropropene	62	65	10 - 136	8	30		
Trichloroethene	94	91	10 - 193	1	30		
Methylcyclohexane	94	87	11 - 156	6	30	J	J
Trichlorofluoromethane	87	87	10 - 157	2	30		
Chlorodibromomethane	49	51	10 - 128	7	30	J	
Vinyl chloride	100	100	15 - 123	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	97	39 - 128
4-Bromofluorobenzene (Surr)	95	95	26 - 141
Toluene-d8 (Surr)	88	93	33 - 134
Dibromofluoromethane (Surr)	88	89	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-46002/5	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6564.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1225	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1225				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.355	J	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	0.209	J	0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Allyl chloride	ND		0.35	2.0
4-Chlorotoluene	ND		0.18	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Bromodichloromethane	ND		0.15	1.0
Cyclohexane	ND		0.12	1.0
Dibromomethane	ND		0.28	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,2-Dibromoethane	ND		0.24	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-46002/5	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6564.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1225	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1225				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Hexachlorobutadiene	0.501	J	0.30	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
m-Xylene & p-Xylene	ND		0.24	2.0
Methyl tert butyl ether	ND		0.17	2.0
Naphthalene	ND		0.24	1.0
Methylene Chloride	ND		0.33	1.0
n-Butylbenzene	ND		0.12	1.0
N-Propylbenzene	ND		0.14	1.0
o-Xylene	ND		0.14	1.0
p-Isopropyltoluene	ND		0.12	1.0
sec-Butylbenzene	ND		0.13	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Trichlorofluoromethane	ND		0.21	1.0
Chlorodibromomethane	ND		0.18	1.0
Vinyl chloride	ND		0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	63 - 129
4-Bromofluorobenzene (Surr)	90	66 - 117
Toluene-d8 (Surr)	95	74 - 115
Dibromofluoromethane (Surr)	101	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-46002/4	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6563.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1202				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	11.4	114	72 - 116	
1,1,1-Trichloroethane	10.0	10.4	104	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.26	93	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.3	123	74 - 151	
1,1,2-Trichloroethane	10.0	11.3	113	80 - 112	*
1,1-Dichloroethane	10.0	10.2	102	82 - 115	
1,1-Dichloroethene	10.0	9.87	99	78 - 131	
1,1-Dichloropropene	10.0	10.6	106	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.78	98	54 - 126	
1,2,3-Trichloropropane	10.0	10.6	106	73 - 129	
1,2,4-Trichlorobenzene	10.0	8.94	89	48 - 135	
1,2,4-Trimethylbenzene	10.0	8.96	90	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	11.2	112	42 - 136	
1,2-Dichlorobenzene	10.0	9.47	95	81 - 110	
1,2-Dichloroethane	10.0	12.3	123	71 - 127	
1,2-Dichloropropane	10.0	10.7	107	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.03	90	72 - 118	
1,3-Dichlorobenzene	10.0	9.50	95	80 - 110	
1,3-Dichloropropane	10.0	10.2	102	79 - 116	
1,4-Dichlorobenzene	10.0	9.49	95	82 - 110	
2,2-Dichloropropane	10.0	11.1	111	50 - 129	
2-Chlorotoluene	10.0	9.13	91	76 - 116	
2-Hexanone	20.0	24.2	121	55 - 133	
4-Chlorotoluene	10.0	9.57	96	77 - 115	
Acetone	20.0	22.4	112	43 - 136	
Benzene	10.0	10.0	100	83 - 112	
Bromobenzene	10.0	9.65	97	76 - 115	
Bromochloromethane	10.0	10.3	103	77 - 120	
Bromoform	10.0	10.8	108	40 - 131	
Bromomethane	10.0	5.54	55	11 - 185	
Carbon disulfide	10.0	7.79	78	62 - 142	
Carbon tetrachloride	10.0	10.2	102	66 - 128	
Chlorobenzene	10.0	10.1	101	85 - 110	
Chloroethane	10.0	5.27	53	25 - 153	
Chloroform	10.0	10.0	100	79 - 117	
Chloromethane	10.0	8.76	88	44 - 126	
cis-1,2-Dichloroethene	10.0	9.33	93	80 - 113	
cis-1,3-Dichloropropene	10.0	9.28	93	61 - 115	
Bromodichloromethane	10.0	11.2	112	72 - 121	
Cyclohexane	10.0	10.1	101	54 - 121	
Dibromomethane	10.0	11.9	119	81 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-46002/4	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6563.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1202				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.02	90	19 - 129	
1,2-Dibromoethane	10.0	11.4	114	79 - 113	*
Ethyl ether	10.0	11.2	112	53 - 135	
Ethylbenzene	10.0	10.2	102	83 - 112	
Hexachlorobutadiene	10.0	9.39	94	36 - 134	
Isopropylbenzene	10.0	9.89	99	75 - 114	
Methyl acetate	10.0	12.8	128	58 - 131	
2-Butanone (MEK)	20.0	23.1	116	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	23.5	118	63 - 128	
m-Xylene & p-Xylene	20.0	20.3	102	83 - 113	
Methyl tert butyl ether	10.0	9.68	97	52 - 144	
Naphthalene	10.0	9.27	93	32 - 141	
Methylene Chloride	10.0	8.81	88	66 - 131	
n-Butylbenzene	10.0	8.80	88	66 - 125	
N-Propylbenzene	10.0	9.61	96	74 - 121	
o-Xylene	10.0	9.99	100	83 - 113	
p-Isopropyltoluene	10.0	9.41	94	74 - 120	
sec-Butylbenzene	10.0	8.63	86	70 - 117	
Styrene	10.0	10.6	106	79 - 114	
tert-Butylbenzene	10.0	9.24	92	71 - 115	
Tetrachloroethene	10.0	11.2	112	79 - 114	
Tetrahydrofuran	10.0	11.3	113	23 - 143	
Toluene	10.0	10.2	102	84 - 111	
trans-1,2-Dichloroethene	10.0	9.27	93	83 - 117	
trans-1,3-Dichloropropene	10.0	10.2	102	58 - 117	
Trichloroethene	10.0	11.4	114	76 - 117	
Methylcyclohexane	10.0	9.50	95	56 - 127	
Trichlorofluoromethane	10.0	10.6	106	49 - 157	
Chlorodibromomethane	10.0	10.4	104	64 - 119	
Vinyl chloride	10.0	7.87	79	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	63 - 129
4-Bromofluorobenzene (Surr)	103	66 - 117
Toluene-d8 (Surr)	103	74 - 115
Dibromofluoromethane (Surr)	103	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Reporting Limit Check - Batch: 240-46058 **Method: 8260B**
Preparation: N/A

Lab Sample ID:	MRL 240-46058/5	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88980.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/01/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.39	88		
1,1,1-Trichloroethane	5.00	4.94	99		
1,1,2,2-Tetrachloroethane	5.00	4.63	93		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	5.47	109		
1,1,2-Trichloroethane	5.00	4.64	93		
1,1-Dichloroethane	5.00	4.84	97		
1,1-Dichloroethene	5.00	4.92	98		
1,1-Dichloropropene	5.00	5.04	101		
1,2,3-Trichlorobenzene	5.00	4.36	87		
1,2,3-Trichloropropane	5.00	4.71	94		
1,2,4-Trichlorobenzene	5.00	4.40	88		
1,2,4-Trimethylbenzene	5.00	4.79	96		
1,2-Dibromo-3-Chloropropane	5.00	4.61	92		
1,2-Dichlorobenzene	5.00	4.75	95		
1,2-Dichloroethane	5.00	4.92	98		
1,2-Dichloropropane	5.00	5.09	102		
1,3,5-Trimethylbenzene	5.00	4.70	94		
1,3-Dichlorobenzene	5.00	4.74	95		
1,3-Dichloropropane	5.00	4.93	99		
1,4-Dichlorobenzene	5.00	4.78	96		
2,2-Dichloropropane	5.00	5.09	102		
2-Chlorotoluene	5.00	4.65	93		
2-Hexanone	10.0	8.85	89		J
4-Chlorotoluene	5.00	4.72	94		
Acetone	10.0	8.23	82		J
Benzene	5.00	4.62	92		
Bromobenzene	5.00	4.63	93		
Bromochloromethane	5.00	4.84	97		
Bromoform	5.00	4.59	92		
Bromomethane	5.00	5.93	119		
Carbon disulfide	5.00	4.76	95		
Carbon tetrachloride	5.00	4.90	98		
Chlorobenzene	5.00	4.83	97		
Chloroethane	5.00	5.95	119		
Chloroform	5.00	4.80	96		
Chloromethane	5.00	5.22	104		
cis-1,2-Dichloroethene	5.00	4.79	96		
cis-1,3-Dichloropropene	5.00	4.32	86		
Bromodichloromethane	5.00	4.58	92		
Cyclohexane	5.00	5.13	103		
Dibromomethane	5.00	4.74	95		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Reporting Limit Check - Batch: 240-46058 **Method: 8260B**
Preparation: N/A

Lab Sample ID:	MRL 240-46058/5	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88980.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/01/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	5.00	5.17	103		
1,2-Dibromoethane	5.00	4.55	91		
Ethylbenzene	5.00	4.98	100		
Hexachlorobutadiene	5.00	4.71	94		
Isopropylbenzene	5.00	4.77	95		
Methyl acetate	10.0	9.03	90		J
2-Butanone (MEK)	10.0	8.97	90		J
4-Methyl-2-pentanone (MIBK)	10.0	8.77	88		J
m-Xylene & p-Xylene	10.0	9.90	99		
Methyl tert butyl ether	5.00	4.66	93		J
Naphthalene	5.00	4.00	80		
Methylene Chloride	5.00	3.05	61		
n-Butylbenzene	5.00	4.94	99		
N-Propylbenzene	5.00	5.07	101		
o-Xylene	5.00	4.81	96		
p-Isopropyltoluene	5.00	4.73	95		
sec-Butylbenzene	5.00	4.80	96		
Styrene	5.00	4.67	93		
tert-Butylbenzene	5.00	5.15	103		
Tetrachloroethene	5.00	5.21	104		
Tetrahydrofuran	5.00	4.54	91		
Toluene	5.00	4.80	96		
trans-1,2-Dichloroethene	5.00	5.15	103		
trans-1,3-Dichloropropene	5.00	4.71	94		
Trichloroethene	5.00	4.77	95		
Methylcyclohexane	5.00	5.21	104		
Trichlorofluoromethane	5.00	5.38	108		
Chlorodibromomethane	5.00	4.50	90		
Vinyl chloride	5.00	5.84	117		

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Toluene-d8 (Surr)	92	33 - 134
Dibromofluoromethane (Surr)	90	30 - 122

Method Blank - Batch: 240-45337

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-45337/22-A	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/30/2012 1855	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		0.80	1.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
2-Methylnaphthalene	ND		0.10	0.20
4-Chloro-3-methylphenol	ND		0.80	2.0
4-Chloroaniline	ND		0.80	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
2,4-Dimethylphenol	ND		0.80	2.0
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
Atrazine	ND		0.34	1.0
2,4-Dinitrophenol	ND		2.4	5.0
Benzaldehyde	ND		0.39	1.0
2,4-Dinitrotoluene	ND		0.27	5.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.80	2.0
Butyl benzyl phthalate	ND		0.80	1.0
Caprolactam	ND		0.80	5.0
Carbazole	ND		0.28	1.0
2-Methylphenol	ND		0.80	1.0
Chrysene	ND		0.10	0.20
Dibenz(a,h)anthracene	ND		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
Dibenzofuran	ND		0.10	1.0
3-Nitroaniline	ND		0.28	2.0
Diethyl phthalate	ND		0.60	1.0
4-Nitroaniline	ND		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
Di-n-butyl phthalate	ND		0.67	1.0
2-Nitrophenol	ND		0.28	2.0
Di-n-octyl phthalate	ND		0.80	1.0
4-Nitrophenol	ND		2.4	5.0
Fluoranthene	ND		0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45337

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-45337/22-A	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/30/2012 1855	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20
Isophorone	ND		0.27	1.0
2,4,5-Trichlorophenol	ND		0.30	5.0
Naphthalene	ND		0.10	0.20
2,4,6-Trichlorophenol	ND		0.80	5.0
Nitrobenzene	ND		0.040	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Pentachlorophenol	ND		2.4	5.0
Phenol	ND		0.60	1.0
Phenanthrene	ND		0.10	0.20
Pyrene	ND		0.10	0.20
2,6-Dinitrotoluene	ND		0.80	5.0
3 & 4 Methylphenol	ND		0.75	2.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	57	28 - 110
2-Fluorophenol (Surr)	62	10 - 110
2,4,6-Tribromophenol (Surr)	62	22 - 120
Nitrobenzene-d5 (Surr)	55	27 - 111
Phenol-d5 (Surr)	66	10 - 110
Terphenyl-d14 (Surr)	87	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45337

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-45337/21-A	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/30/2012 1914	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	20.0	16.3	81	50 - 130	
2-Chloronaphthalene	20.0	13.2	66	39 - 110	
2-Chlorophenol	20.0	14.6	73	27 - 110	
4-Bromophenyl phenyl ether	20.0	14.7	73	51 - 114	
2-Methylnaphthalene	20.0	15.4	77	35 - 110	
4-Chloro-3-methylphenol	20.0	15.7	78	39 - 110	
4-Chloroaniline	20.0	13.2	66	10 - 110	
4-Chlorophenyl phenyl ether	20.0	14.2	71	50 - 115	
3,3'-Dichlorobenzidine	20.0	9.90	50	19 - 110	
2,4-Dichlorophenol	20.0	15.1	76	33 - 110	
Acenaphthene	20.0	15.5	78	40 - 110	
Acenaphthylene	20.0	15.4	77	43 - 110	
2,4-Dimethylphenol	20.0	12.7	64	12 - 110	
Acetophenone	20.0	15.4	77	50 - 130	
Anthracene	20.0	16.4	82	54 - 114	
4,6-Dinitro-2-methylphenol	20.0	15.1	75	28 - 112	
Atrazine	20.0	20.4	102	50 - 130	
2,4-Dinitrophenol	20.0	13.2	66	17 - 112	
Benzaldehyde	20.0	13.2	66	10 - 130	
2,4-Dinitrotoluene	20.0	15.3	77	52 - 123	
Benzo[a]anthracene	20.0	15.4	77	55 - 115	
Benzo[a]pyrene	20.0	13.2	66	43 - 116	
Benzo[b]fluoranthene	20.0	14.4	72	43 - 122	
Benzo[g,h,i]perylene	20.0	15.2	76	45 - 120	
Benzo[k]fluoranthene	20.0	15.8	79	43 - 124	
Bis(2-chloroethoxy)methane	20.0	13.7	68	39 - 110	
Bis(2-chloroethyl)ether	20.0	13.1	65	34 - 113	
Bis(2-ethylhexyl) phthalate	20.0	17.7	89	36 - 163	
Butyl benzyl phthalate	20.0	16.5	83	53 - 126	
Caprolactam	20.0	16.0	80	50 - 130	
Carbazole	20.0	16.9	84	53 - 120	
2-Methylphenol	20.0	14.6	73	30 - 110	
Chrysene	20.0	16.1	81	55 - 115	
Dibenz(a,h)anthracene	20.0	15.2	76	46 - 122	
2-Nitroaniline	20.0	15.7	78	43 - 130	
Dibenzofuran	20.0	15.7	78	46 - 111	
3-Nitroaniline	20.0	15.7	78	45 - 116	
Diethyl phthalate	20.0	16.8	84	33 - 134	
4-Nitroaniline	20.0	16.7	83	45 - 120	
Dimethyl phthalate	20.0	16.6	83	15 - 143	
Di-n-butyl phthalate	20.0	17.6	88	55 - 122	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45337

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-45337/21-A	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/30/2012 1914	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	20.0	15.6	78	29 - 110	
Di-n-octyl phthalate	20.0	14.7	73	44 - 128	
4-Nitrophenol	20.0	15.4	77	12 - 130	
Fluoranthene	20.0	17.3	86	54 - 122	
Fluorene	20.0	16.3	81	47 - 112	
Hexachlorobenzene	20.0	15.4	77	51 - 112	
2,2'-oxybis[1-chloropropane]	20.0	13.1	66	25 - 128	
Hexachlorobutadiene	20.0	11.9	60	13 - 110	
Hexachlorocyclopentadiene	20.0	7.16	36	10 - 110	J
Hexachloroethane	20.0	12.3	62	12 - 110	
Indeno[1,2,3-cd]pyrene	20.0	14.9	74	46 - 121	
Isophorone	20.0	15.5	78	44 - 128	
2,4,5-Trichlorophenol	20.0	15.8	79	39 - 110	
Naphthalene	20.0	15.1	76	31 - 110	
2,4,6-Trichlorophenol	20.0	15.3	77	35 - 110	
Nitrobenzene	20.0	13.5	68	37 - 115	
N-Nitrosodi-n-propylamine	20.0	15.4	77	37 - 121	
N-Nitrosodiphenylamine	20.0	15.7	79	53 - 113	
Pentachlorophenol	20.0	15.7	78	26 - 110	
Phenol	20.0	15.0	75	14 - 112	
Phenanthrene	20.0	16.4	82	52 - 114	
Pyrene	20.0	15.9	79	55 - 120	
2,6-Dinitrotoluene	20.0	15.2	76	52 - 119	
3 & 4 Methylphenol	40.0	29.4	74	32 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	28 - 110
2-Fluorophenol (Surr)	71	10 - 110
2,4,6-Tribromophenol (Surr)	80	22 - 120
Nitrobenzene-d5 (Surr)	66	27 - 111
Phenol-d5 (Surr)	76	10 - 110
Terphenyl-d14 (Surr)	85	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45337

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11624-AI-1-A MS	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1040 mL
Analysis Date:	05/30/2012 2219			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11624-AM-1-A MSD	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1020 mL
Analysis Date:	05/30/2012 2238			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	62	84	50 - 130	33	30		F
2-Chloronaphthalene	51	68	34 - 110	31	30		F
2-Chlorophenol	55	78	26 - 110	36	30		F
4-Bromophenyl phenyl ether	57	75	42 - 113	29	30		
2-Methylnaphthalene	57	78	35 - 110	33	30		F
4-Chloro-3-methylphenol	57	75	33 - 110	30	30		
4-Chloroaniline	48	65	10 - 110	32	30		F
4-Chlorophenyl phenyl ether	56	72	43 - 113	28	30		
3,3'-Dichlorobenzidine	37	46	10 - 110	23	30		
2,4-Dichlorophenol	55	76	30 - 110	34	30		F
Acenaphthene	61	81	36 - 110	29	30		
Acenaphthylene	61	81	39 - 110	30	30		
2,4-Dimethylphenol	47	62	11 - 110	30	30		
Acetophenone	59	83	50 - 130	36	30		F
Anthracene	66	81	46 - 110	23	30		
4,6-Dinitro-2-methylphenol	58	75	25 - 110	28	30		
Atrazine	85	105	50 - 130	23	30		
2,4-Dinitrophenol	45	60	11 - 119	32	30		F
Benzaldehyde	51	71	10 - 130	35	30		F
2,4-Dinitrotoluene	59	75	46 - 119	26	30		
Benzo[a]anthracene	60	73	52 - 110	22	30		
Benzo[a]pyrene	53	65	33 - 110	22	30		
Benzo[b]fluoranthene	54	68	33 - 114	24	30		
Benzo[g,h,i]perylene	59	73	34 - 116	23	30		
Benzo[k]fluoranthene	67	81	32 - 121	20	30		
Bis(2-chloroethoxy)methane	51	71	35 - 110	35	30		F
Bis(2-chloroethyl)ether	50	72	27 - 110	37	30		F
Bis(2-ethylhexyl) phthalate	63	79	40 - 140	22	30		
Butyl benzyl phthalate	67	84	51 - 121	24	30		
Caprolactam	62	81	50 - 130	29	30		
Carbazole	68	83	49 - 114	22	30		
2-Methylphenol	55	79	26 - 110	37	30		F

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45337

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11624-AI-1-A MS	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1040 mL
Analysis Date:	05/30/2012 2219			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11624-AM-1-A MSD	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1020 mL
Analysis Date:	05/30/2012 2238			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chrysene	61	80	52 - 111	30	30		
Dibenz(a,h)anthracene	61	76	35 - 118	25	30		
2-Nitroaniline	60	78	31 - 129	28	30		
Dibenzofuran	60	79	41 - 110	29	30		
3-Nitroaniline	60	76	23 - 112	26	30		
Diethyl phthalate	69	84	33 - 130	22	30		
4-Nitroaniline	63	79	26 - 115	25	30		
Dimethyl phthalate	65	82	36 - 124	25	30		
Di-n-butyl phthalate	73	91	50 - 117	23	30		
2-Nitrophenol	60	82	30 - 110	33	30		F
Di-n-octyl phthalate	62	78	36 - 124	24	30		
4-Nitrophenol	53	65	13 - 127	23	30		
Fluoranthene	69	85	53 - 111	22	30		
Fluorene	65	82	43 - 110	26	30		
Hexachlorobenzene	63	80	40 - 113	26	30		
2,2'-oxybis[1-chloropropane]	51	73	25 - 128	36	30		F
Hexachlorobutadiene	45	64	14 - 110	37	30		F
Hexachlorocyclopentadiene	24	37	10 - 110	46	30	J	J F
Hexachloroethane	47	66	10 - 110	36	30		F
Indeno[1,2,3-cd]pyrene	60	74	36 - 116	23	30		
Isophorone	61	82	34 - 125	33	30		F
2,4,5-Trichlorophenol	61	77	36 - 110	24	30		
Naphthalene	58	79	32 - 110	33	30		F
2,4,6-Trichlorophenol	58	79	34 - 110	33	30		F
Nitrobenzene	52	70	26 - 118	33	30		F
N-Nitrosodi-n-propylamine	60	83	25 - 119	35	30		F
N-Nitrosodiphenylamine	63	78	28 - 118	24	30		
Pentachlorophenol	61	76	23 - 110	23	30		
Phenol	56	79	16 - 110	36	30		F
Phenanthrene	64	81	47 - 110	25	30		
Pyrene	62	77	54 - 115	23	30		
2,6-Dinitrotoluene	59	79	48 - 115	30	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45337

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11624-AI-1-A MS	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1040 mL
Analysis Date:	05/30/2012 2219			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11624-AM-1-A MSD	Analysis Batch:	240-45689	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-45337	Lab File ID:	20530032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1020 mL
Analysis Date:	05/30/2012 2238			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1104			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	55	78	25 - 110	36	30		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	49	66	28 - 110
2-Fluorophenol (Surr)	52	73	10 - 110
2,4,6-Tribromophenol (Surr)	62	80	22 - 120
Nitrobenzene-d5 (Surr)	48	66	27 - 111
Phenol-d5 (Surr)	55	79	10 - 110
Terphenyl-d14 (Surr)	64	79	37 - 119

Method Blank - Batch: 240-45413 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-45413/23-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1237	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		0.80	1.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
2-Methylnaphthalene	ND		0.10	0.20
4-Chloro-3-methylphenol	ND		0.80	2.0
4-Chloroaniline	ND		0.80	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
2,4-Dimethylphenol	ND		0.80	2.0
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
Atrazine	ND		0.34	1.0
2,4-Dinitrophenol	ND		2.4	5.0
Benzaldehyde	ND		0.39	1.0
2,4-Dinitrotoluene	ND		0.27	5.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.80	2.0
Butyl benzyl phthalate	ND		0.80	1.0
Caprolactam	ND		0.80	5.0
Carbazole	ND		0.28	1.0
2-Methylphenol	ND		0.80	1.0
Chrysene	ND		0.10	0.20
Dibenz(a,h)anthracene	ND		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
Dibenzofuran	ND		0.10	1.0
3-Nitroaniline	ND		0.28	2.0
Diethyl phthalate	ND		0.60	1.0
4-Nitroaniline	ND		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
Di-n-butyl phthalate	ND		0.67	1.0
2-Nitrophenol	ND		0.28	2.0
Di-n-octyl phthalate	ND		0.80	1.0
4-Nitrophenol	ND		2.4	5.0
Fluoranthene	ND		0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45413 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-45413/23-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1237	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20
Isophorone	ND		0.27	1.0
2,4,5-Trichlorophenol	ND		0.30	5.0
Naphthalene	ND		0.10	0.20
2,4,6-Trichlorophenol	ND		0.80	5.0
Nitrobenzene	ND		0.040	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Pentachlorophenol	ND		2.4	5.0
Phenol	ND		0.60	1.0
Phenanthrene	ND		0.10	0.20
Pyrene	ND		0.10	0.20
2,6-Dinitrotoluene	ND		0.80	5.0
3 & 4 Methylphenol	ND		0.75	2.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	55	28 - 110
2-Fluorophenol (Surr)	55	10 - 110
2,4,6-Tribromophenol (Surr)	61	22 - 120
Nitrobenzene-d5 (Surr)	58	27 - 111
Phenol-d5 (Surr)	55	10 - 110
Terphenyl-d14 (Surr)	85	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45413

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-45413/24-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1256	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	20.0	14.0	70	50 - 130	
2-Chloronaphthalene	20.0	14.1	70	39 - 110	
2-Chlorophenol	20.0	13.4	67	27 - 110	
4-Bromophenyl phenyl ether	20.0	16.1	81	51 - 114	
2-Methylnaphthalene	20.0	13.1	66	35 - 110	
4-Chloro-3-methylphenol	20.0	15.0	75	39 - 110	
4-Chloroaniline	20.0	13.5	68	10 - 110	
4-Chlorophenyl phenyl ether	20.0	15.8	79	50 - 115	
3,3'-Dichlorobenzidine	20.0	11.0	55	19 - 110	
2,4-Dichlorophenol	20.0	14.9	75	33 - 110	
Acenaphthene	20.0	14.3	71	40 - 110	
Acenaphthylene	20.0	14.3	72	43 - 110	
2,4-Dimethylphenol	20.0	12.6	63	12 - 110	
Acetophenone	20.0	14.1	71	50 - 130	
Anthracene	20.0	15.7	79	54 - 114	
4,6-Dinitro-2-methylphenol	20.0	16.0	80	28 - 112	
Atrazine	20.0	21.6	108	50 - 130	
2,4-Dinitrophenol	20.0	14.2	71	17 - 112	
Benzaldehyde	20.0	14.1	70	10 - 130	
2,4-Dinitrotoluene	20.0	17.9	90	52 - 123	
Benzo[a]anthracene	20.0	16.1	80	55 - 115	
Benzo[a]pyrene	20.0	15.1	76	43 - 116	
Benzo[b]fluoranthene	20.0	16.6	83	43 - 122	
Benzo[g,h,i]perylene	20.0	18.0	90	45 - 120	
Benzo[k]fluoranthene	20.0	17.3	86	43 - 124	
Bis(2-chloroethoxy)methane	20.0	14.4	72	39 - 110	
Bis(2-chloroethyl)ether	20.0	14.5	73	34 - 113	
Bis(2-ethylhexyl) phthalate	20.0	18.1	90	36 - 163	
Butyl benzyl phthalate	20.0	17.5	88	53 - 126	
Caprolactam	20.0	15.4	77	50 - 130	
Carbazole	20.0	16.3	82	53 - 120	
2-Methylphenol	20.0	15.6	78	30 - 110	
Chrysene	20.0	16.2	81	55 - 115	
Dibenz(a,h)anthracene	20.0	18.2	91	46 - 122	
2-Nitroaniline	20.0	16.3	82	43 - 130	
Dibenzofuran	20.0	14.6	73	46 - 111	
3-Nitroaniline	20.0	16.7	84	45 - 116	
Diethyl phthalate	20.0	16.8	84	33 - 134	
4-Nitroaniline	20.0	17.2	86	45 - 120	
Dimethyl phthalate	20.0	16.5	83	15 - 143	
Di-n-butyl phthalate	20.0	17.4	87	55 - 122	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45413

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-45413/24-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1256	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	20.0	13.8	69	29 - 110	
Di-n-octyl phthalate	20.0	18.2	91	44 - 128	
4-Nitrophenol	20.0	17.5	88	12 - 130	
Fluoranthene	20.0	16.2	81	54 - 122	
Fluorene	20.0	15.1	76	47 - 112	
Hexachlorobenzene	20.0	16.0	80	51 - 112	
2,2'-oxybis[1-chloropropane]	20.0	13.8	69	25 - 128	
Hexachlorobutadiene	20.0	11.8	59	13 - 110	
Hexachlorocyclopentadiene	20.0	10.3	52	10 - 110	
Hexachloroethane	20.0	11.1	56	12 - 110	
Indeno[1,2,3-cd]pyrene	20.0	17.8	89	46 - 121	
Isophorone	20.0	14.7	74	44 - 128	
2,4,5-Trichlorophenol	20.0	15.4	77	39 - 110	
Naphthalene	20.0	13.4	67	31 - 110	
2,4,6-Trichlorophenol	20.0	15.5	78	35 - 110	
Nitrobenzene	20.0	14.6	73	37 - 115	
N-Nitrosodi-n-propylamine	20.0	14.8	74	37 - 121	
N-Nitrosodiphenylamine	20.0	15.8	79	53 - 113	
Pentachlorophenol	20.0	15.8	79	26 - 110	
Phenol	20.0	14.2	71	14 - 112	
Phenanthrene	20.0	15.9	80	52 - 114	
Pyrene	20.0	16.3	82	55 - 120	
2,6-Dinitrotoluene	20.0	17.7	88	52 - 119	
3 & 4 Methylphenol	40.0	29.6	74	32 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	69	28 - 110
2-Fluorophenol (Surr)	65	10 - 110
2,4,6-Tribromophenol (Surr)	81	22 - 120
Nitrobenzene-d5 (Surr)	70	27 - 111
Phenol-d5 (Surr)	67	10 - 110
Terphenyl-d14 (Surr)	91	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45413

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	920 mL
Analysis Date:	05/31/2012 2056			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	05/31/2012 2115			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	62	65	36 - 110	4	30		
Acenaphthylene	58	54	39 - 110	9	30		
Acetophenone	60	68	50 - 130	10	30		
Anthracene	56	61	46 - 110	6	30		
Atrazine	95	98	50 - 130	1	30		
Benzaldehyde	61	67	10 - 130	7	30		
Benzo[a]anthracene	30	36	52 - 110	16	30	F	F
Benzo[b]fluoranthene	20	24	33 - 114	17	30	F	F
Benzo[k]fluoranthene	22	28	32 - 121	19	30	F	F
Benzo[g,h,i]perylene	14	19	34 - 116	32	30	F	F
Benzo[a]pyrene	17	21	33 - 110	18	30	F	F
Butyl benzyl phthalate	64	67	51 - 121	2	30		
1,1'-Biphenyl	60	66	50 - 130	7	30		
Bis(2-chloroethoxy)methane	61	67	35 - 110	7	30		
Bis(2-chloroethyl)ether	62	66	27 - 110	4	30		
Bis(2-ethylhexyl) phthalate	-12	-20	40 - 140	37	30	F	F
4-Bromophenyl phenyl ether	67	71	42 - 113	5	30		
Caprolactam	73	71	50 - 130	5	30		
Carbazole	73	76	49 - 114	2	30		
4-Chloroaniline	42	53	10 - 110	21	30		
4-Chloro-3-methylphenol	72	76	33 - 110	4	30		
2-Chloronaphthalene	60	66	34 - 110	6	30		
2-Chlorophenol	60	66	26 - 110	7	30		
4-Chlorophenyl phenyl ether	67	70	43 - 113	4	30		
Chrysene	34	42	52 - 111	20	30	F	F
2-Methylnaphthalene	55	61	35 - 110	8	30		
3 & 4 Methylphenol	66	72	25 - 110	7	30		
Dibenz(a,h)anthracene	18	23	35 - 118	22	30	F	F
Dibenzofuran	63	68	41 - 110	6	30		
3,3'-Dichlorobenzidine	0	16	10 - 110	NC	30	F	J
2,4-Dichlorophenol	66	71	30 - 110	5	30		
Diethyl phthalate	76	76	33 - 130	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45413

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	920 mL
Analysis Date:	05/31/2012 2056			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	05/31/2012 2115			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-Dimethylphenol	63	68	11 - 110	6	30		
Dimethyl phthalate	74	76	36 - 124	1	30		
4,6-Dinitro-2-methylphenol	71	51	25 - 110	36	30		F
2,4-Dinitrophenol	63	41	11 - 119	44	30		F
2,4-Dinitrotoluene	82	77	46 - 119	8	30		
Di-n-butyl phthalate	72	74	50 - 117	0	30		
Di-n-octyl phthalate	12	14	36 - 124	18	30	F	F
Fluoranthene	46	54	53 - 111	13	30	F	
Fluorene	64	69	43 - 110	5	30		
Hexachlorobenzene	55	58	40 - 113	4	30		
Hexachlorobutadiene	51	55	14 - 110	6	30		
Hexachlorocyclopentadiene	50	56	10 - 110	8	30	J	
Hexachloroethane	52	56	10 - 110	5	30		
Indeno[1,2,3-cd]pyrene	15	0	36 - 116	NC	30	F	F
Isophorone	61	69	34 - 125	9	30		
2-Methylphenol	66	73	26 - 110	8	30		
Naphthalene	55	60	32 - 110	6	30		
2-Nitroaniline	75	82	31 - 129	7	30		
3-Nitroaniline	52	68	23 - 112	25	30		
4-Nitroaniline	59	82	26 - 115	31	30		F
Nitrobenzene	62	66	26 - 118	5	30		
2-Nitrophenol	60	60	30 - 110	1	30		
4-Nitrophenol	80	76	13 - 127	8	30		
N-Nitrosodiphenylamine	69	63	28 - 118	11	30		
N-Nitrosodi-n-propylamine	63	72	25 - 119	12	30		
2,2'-oxybis[1-chloropropane]	59	64	25 - 128	7	30		
Pentachlorophenol	71	77	23 - 110	6	30		
Phenanthrene	61	68	47 - 110	9	30		
Phenol	61	70	16 - 110	11	30		
Pyrene	45	51	54 - 115	11	30	F	F
2,4,5-Trichlorophenol	76	76	36 - 110	2	30		
2,4,6-Trichlorophenol	72	73	34 - 110	0	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45413

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	920 mL
Analysis Date:	05/31/2012 2056			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45413	Lab File ID:	20531032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	05/31/2012 2115			Final Weight/Volume:	2 mL
Prep Date:	05/26/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,6-Dinitrotoluene	80	78	48 - 115	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	57	63	28 - 110
2-Fluorophenol (Surr)	58	65	10 - 110
2,4,6-Tribromophenol (Surr)	74	75	22 - 120
Nitrobenzene-d5 (Surr)	59	63	27 - 111
Phenol-d5 (Surr)	61	69	10 - 110
Terphenyl-d14 (Surr)	46	46	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45822 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-45822/22-A	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/05/2012 1423	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
4-Bromophenyl phenyl ether	ND		13	330
2-Methylnaphthalene	ND		3.3	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
3,3'-Dichlorobenzidine	ND		18	1600
2,4-Dichlorophenol	ND		20	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
2,4-Dimethylphenol	ND		20	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
4,6-Dinitro-2-methylphenol	ND		80	1600
Atrazine	ND		9.1	330
2,4-Dinitrophenol	ND		80	1600
Benzaldehyde	ND		12	330
2,4-Dinitrotoluene	ND		27	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
2-Methylphenol	ND		80	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
2-Nitroaniline	ND		9.1	1600
Dibenzofuran	ND		3.3	330
3-Nitroaniline	ND		16	1600
Diethyl phthalate	ND		16	330
4-Nitroaniline	ND		26	1600
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
2-Nitrophenol	ND		27	330
Di-n-octyl phthalate	ND		27	330
4-Nitrophenol	ND		80	1600
Fluoranthene	ND		3.3	330

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45822 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-45822/22-A	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/05/2012 1423	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
2,4,5-Trichlorophenol	ND		25	330
Naphthalene	ND		3.3	330
2,4,6-Trichlorophenol	ND		80	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
2,6-Dinitrotoluene	ND		21	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	67	34 - 110
2-Fluorophenol (Surr)	82	26 - 110
2,4,6-Tribromophenol (Surr)	72	10 - 118
Nitrobenzene-d5 (Surr)	70	24 - 112
Phenol-d5 (Surr)	84	28 - 110
Terphenyl-d14 (Surr)	101	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45822

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-45822/23-A	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20604014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/04/2012 1548	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	447	67	50 - 130	
2-Chloronaphthalene	667	397	59	46 - 110	
2-Chlorophenol	667	503	75	39 - 110	
4-Bromophenyl phenyl ether	667	416	62	53 - 112	
2-Methylnaphthalene	667	439	66	46 - 110	
4-Chloro-3-methylphenol	667	487	73	42 - 110	
4-Chloroaniline	667	348	52	25 - 110	
4-Chlorophenyl phenyl ether	667	421	63	53 - 110	
3,3'-Dichlorobenzidine	667	349	52	31 - 110	J
2,4-Dichlorophenol	667	459	69	40 - 110	
Acenaphthene	667	451	68	46 - 110	
Acenaphthylene	667	463	69	47 - 110	
2,4-Dimethylphenol	667	369	55	28 - 110	
Acetophenone	667	511	77	50 - 130	
Anthracene	667	498	75	56 - 111	
4,6-Dinitro-2-methylphenol	667	344	52	21 - 110	J
Atrazine	667	657	98	50 - 130	
2,4-Dinitrophenol	667	174	26	10 - 110	J
Benzaldehyde	667	431	65	10 - 130	
2,4-Dinitrotoluene	667	491	74	55 - 116	
Benzo[a]anthracene	667	507	76	58 - 111	
Benzo[a]pyrene	667	453	68	44 - 115	
Benzo[b]fluoranthene	667	447	67	43 - 124	
Benzo[g,h,i]perylene	667	516	77	44 - 120	
Benzo[k]fluoranthene	667	545	82	38 - 122	
Bis(2-chloroethoxy)methane	667	409	61	42 - 110	
Bis(2-chloroethyl)ether	667	430	64	41 - 110	
Bis(2-ethylhexyl) phthalate	667	525	79	56 - 123	
Butyl benzyl phthalate	667	533	80	57 - 121	
Caprolactam	667	573	86	50 - 130	
Carbazole	667	517	78	56 - 115	
2-Methylphenol	667	479	72	36 - 110	
Chrysene	667	507	76	56 - 111	
Dibenz(a,h)anthracene	667	517	78	45 - 122	
2-Nitroaniline	667	520	78	47 - 124	J
Dibenzofuran	667	488	73	50 - 110	
3-Nitroaniline	667	465	70	44 - 110	J
Diethyl phthalate	667	563	84	55 - 114	
4-Nitroaniline	667	501	75	50 - 110	J
Dimethyl phthalate	667	525	79	54 - 112	
Di-n-butyl phthalate	667	548	82	57 - 119	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45822

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-45822/23-A	Analysis Batch:	240-46117	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20604014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/04/2012 1548	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	667	421	63	35 - 110	
Di-n-octyl phthalate	667	519	78	45 - 123	
4-Nitrophenol	667	511	77	24 - 117	J
Fluoranthene	667	525	79	55 - 118	
Fluorene	667	496	74	51 - 110	
Hexachlorobenzene	667	508	76	51 - 110	
2,2'-oxybis[1-chloropropane]	667	437	65	36 - 116	
Hexachlorobutadiene	667	400	60	39 - 110	
Hexachlorocyclopentadiene	667	311	47	10 - 110	J
Hexachloroethane	667	449	67	38 - 110	
Indeno[1,2,3-cd]pyrene	667	511	77	45 - 121	
Isophorone	667	453	68	46 - 117	
2,4,5-Trichlorophenol	667	468	70	42 - 110	
Naphthalene	667	459	69	42 - 110	
2,4,6-Trichlorophenol	667	463	69	37 - 110	
Nitrobenzene	667	415	62	40 - 110	
N-Nitrosodi-n-propylamine	667	483	72	40 - 114	
N-Nitrosodiphenylamine	667	473	71	54 - 112	
Pentachlorophenol	667	386	58	10 - 110	
Phenol	667	494	74	39 - 110	
Phenanthrene	667	500	75	54 - 110	
Pyrene	667	487	73	58 - 113	
2,6-Dinitrotoluene	667	491	74	54 - 115	
3 & 4 Methylphenol	1330	973	73	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	56	34 - 110
2-Fluorophenol (Surr)	72	26 - 110
2,4,6-Tribromophenol (Surr)	75	10 - 118
Nitrobenzene-d5 (Surr)	57	24 - 112
Phenol-d5 (Surr)	73	28 - 110
Terphenyl-d14 (Surr)	81	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45822

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11631-C-1-E MS	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	06/05/2012 1716			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11631-C-1-F MSD	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	71	82	50 - 130	14	30		
2-Chloronaphthalene	62	71	40 - 110	13	30		
2-Chlorophenol	70	85	32 - 110	19	30		
4-Bromophenyl phenyl ether	75	80	44 - 120	7	30		
2-Methylnaphthalene	68	78	10 - 200	14	30		
4-Chloro-3-methylphenol	80	82	32 - 117	2	30		
4-Chloroaniline	54	49	11 - 110	10	30		J
4-Chlorophenyl phenyl ether	71	74	47 - 116	4	30		
3,3'-Dichlorobenzidine	58	49	10 - 110	17	30	J	J
2,4-Dichlorophenol	67	79	33 - 110	15	30		
Acenaphthene	71	79	10 - 200	11	30		
Acenaphthylene	75	84	10 - 200	12	30		
2,4-Dimethylphenol	64	68	19 - 114	5	30		
Acetophenone	75	90	50 - 130	18	30		
Anthracene	88	89	10 - 200	1	30		
4,6-Dinitro-2-methylphenol	59	72	10 - 110	19	30	J	J
Atrazine	119	120	50 - 130	1	30		
2,4-Dinitrophenol	17	26	10 - 110	44	30	J	J F
Benzaldehyde	62	75	10 - 130	18	30		
2,4-Dinitrotoluene	84	81	42 - 118	4	30		
Benzo[a]anthracene	92	90	10 - 200	2	30		
Benzo[a]pyrene	78	79	10 - 200	1	30		
Benzo[b]fluoranthene	85	83	10 - 200	2	30		
Benzo[g,h,i]perylene	93	93	10 - 200	0	30		
Benzo[k]fluoranthene	91	95	10 - 200	4	30		
Bis(2-chloroethoxy)methane	63	71	36 - 110	12	30		
Bis(2-chloroethyl)ether	64	76	32 - 118	18	30		
Bis(2-ethylhexyl) phthalate	97	96	10 - 200	2	30		
Butyl benzyl phthalate	97	94	43 - 138	3	30		
Caprolactam	92	89	50 - 130	3	30		
Carbazole	92	91	10 - 162	2	30		
2-Methylphenol	81	93	19 - 124	14	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45822

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11631-C-1-E MS	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	06/05/2012 1716			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11631-C-1-F MSD	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chrysene	92	89	10 - 200	3	30		
Dibenz(a,h)anthracene	95	95	10 - 200	0	30		
2-Nitroaniline	89	93	31 - 141	4	30	J	J
Dibenzofuran	78	84	10 - 200	8	30		
3-Nitroaniline	77	74	24 - 110	5	30	J	J
Diethyl phthalate	92	94	48 - 118	1	30		
4-Nitroaniline	82	76	23 - 124	8	30	J	J
Dimethyl phthalate	86	91	47 - 116	5	30		
Di-n-butyl phthalate	99	98	31 - 145	1	30		
2-Nitrophenol	67	74	17 - 110	10	30		
Di-n-octyl phthalate	97	96	10 - 182	1	30		
4-Nitrophenol	55	66	10 - 125	18	30	J	J
Fluoranthene	92	92	10 - 200	0	30		
Fluorene	80	85	10 - 187	6	30		
Hexachlorobenzene	88	93	37 - 122	4	30		
2,2'-oxybis[1-chloropropane]	64	77	25 - 124	18	30		
Hexachlorobutadiene	57	69	30 - 110	18	30		
Hexachlorocyclopentadiene	36	35	10 - 110	3	30	J	J
Hexachloroethane	65	78	13 - 110	19	30		
Indeno[1,2,3-cd]pyrene	94	92	10 - 200	1	30		
Isophorone	71	80	32 - 129	12	30		
2,4,5-Trichlorophenol	78	83	32 - 112	6	30		
Naphthalene	70	79	10 - 200	13	30		
2,4,6-Trichlorophenol	66	76	22 - 110	14	30		
Nitrobenzene	63	70	33 - 111	10	30		
N-Nitrosodi-n-propylamine	72	87	30 - 121	19	30		
N-Nitrosodiphenylamine	86	90	10 - 169	4	30		
Pentachlorophenol	0	25	10 - 182	NC	30	F	J
Phenol	72	85	10 - 144	16	30		
Phenanthrene	87	90	10 - 200	3	30		
Pyrene	85	83	10 - 200	3	30		
2,6-Dinitrotoluene	78	82	28 - 137	6	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45822

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11631-C-1-E MS	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	06/05/2012 1716			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11631-C-1-F MSD	Analysis Batch:	240-46255	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-45822	Lab File ID:	20605022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	2 mL
Prep Date:	05/31/2012 0852			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	73	84	27 - 116	15	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	61	68	34 - 110
2-Fluorophenol (Surr)	68	83	26 - 110
2,4,6-Tribromophenol (Surr)	66	81	10 - 118
Nitrobenzene-d5 (Surr)	60	66	24 - 112
Phenol-d5 (Surr)	73	87	28 - 110
Terphenyl-d14 (Surr)	91	92	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-46062 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-46062/17-A	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/05/2012 0856	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		0.80	1.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
2-Methylnaphthalene	ND		0.10	0.20
4-Chloro-3-methylphenol	ND		0.80	2.0
4-Chloroaniline	ND		0.80	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
2,4-Dimethylphenol	ND		0.80	2.0
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
Atrazine	ND		0.34	1.0
2,4-Dinitrophenol	ND		2.4	5.0
Benzaldehyde	ND		0.39	1.0
2,4-Dinitrotoluene	ND		0.27	5.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.80	2.0
Butyl benzyl phthalate	ND		0.80	1.0
Caprolactam	ND		0.80	5.0
Carbazole	ND		0.28	1.0
2-Methylphenol	ND		0.80	1.0
Chrysene	ND		0.10	0.20
Dibenz(a,h)anthracene	ND		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
Dibenzofuran	ND		0.10	1.0
3-Nitroaniline	ND		0.28	2.0
Diethyl phthalate	ND		0.60	1.0
4-Nitroaniline	ND		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
Di-n-butyl phthalate	ND		0.67	1.0
2-Nitrophenol	ND		0.28	2.0
Di-n-octyl phthalate	ND		0.80	1.0
4-Nitrophenol	ND		2.4	5.0
Fluoranthene	ND		0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-46062

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-46062/17-A	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/05/2012 0856	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20
Isophorone	ND		0.27	1.0
2,4,5-Trichlorophenol	ND		0.30	5.0
Naphthalene	ND		0.10	0.20
2,4,6-Trichlorophenol	ND		0.80	5.0
Nitrobenzene	ND		0.040	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Pentachlorophenol	ND		2.4	5.0
Phenol	ND		0.60	1.0
Phenanthrene	ND		0.10	0.20
Pyrene	ND		0.10	0.20
2,6-Dinitrotoluene	ND		0.80	5.0
3 & 4 Methylphenol	ND		0.75	2.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	47	28 - 110
2-Fluorophenol (Surr)	57	10 - 110
2,4,6-Tribromophenol (Surr)	44	22 - 120
Nitrobenzene-d5 (Surr)	54	27 - 111
Phenol-d5 (Surr)	59	10 - 110
Terphenyl-d14 (Surr)	63	37 - 119

Lab Control Sample - Batch: 240-46062

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-46062/18-A	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/05/2012 0914	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	20.0	16.3	81	50 - 130	
2-Chloronaphthalene	20.0	13.4	67	39 - 110	
2-Chlorophenol	20.0	15.8	79	27 - 110	
4-Bromophenyl phenyl ether	20.0	12.3	62	51 - 114	
2-Methylnaphthalene	20.0	16.0	80	35 - 110	
4-Chloro-3-methylphenol	20.0	16.5	83	39 - 110	
4-Chloroaniline	20.0	14.7	73	10 - 110	
4-Chlorophenyl phenyl ether	20.0	13.2	66	50 - 115	
3,3'-Dichlorobenzidine	20.0	8.54	43	19 - 110	
2,4-Dichlorophenol	20.0	16.2	81	33 - 110	
Acenaphthene	20.0	15.0	75	40 - 110	
Acenaphthylene	20.0	15.5	77	43 - 110	
2,4-Dimethylphenol	20.0	14.6	73	12 - 110	
Acetophenone	20.0	16.9	85	50 - 130	
Anthracene	20.0	15.4	77	54 - 114	
4,6-Dinitro-2-methylphenol	20.0	13.6	68	28 - 112	
Atrazine	20.0	19.9	100	50 - 130	
2,4-Dinitrophenol	20.0	13.0	65	17 - 112	
Benzaldehyde	20.0	15.6	78	10 - 130	
2,4-Dinitrotoluene	20.0	14.5	73	52 - 123	
Benzo[a]anthracene	20.0	15.2	76	55 - 115	
Benzo[a]pyrene	20.0	12.4	62	43 - 116	
Benzo[b]fluoranthene	20.0	14.5	72	43 - 122	
Benzo[g,h,i]perylene	20.0	14.6	73	45 - 120	
Benzo[k]fluoranthene	20.0	14.2	71	43 - 124	
Bis(2-chloroethoxy)methane	20.0	14.9	74	39 - 110	
Bis(2-chloroethyl)ether	20.0	14.9	75	34 - 113	
Bis(2-ethylhexyl) phthalate	20.0	20.8	104	36 - 163	
Butyl benzyl phthalate	20.0	19.7	98	53 - 126	
Caprolactam	20.0	17.4	87	50 - 130	
Carbazole	20.0	15.3	77	53 - 120	
2-Methylphenol	20.0	15.4	77	30 - 110	
Chrysene	20.0	16.0	80	55 - 115	
Dibenz(a,h)anthracene	20.0	14.1	70	46 - 122	
2-Nitroaniline	20.0	17.4	87	43 - 130	
Dibenzofuran	20.0	15.3	76	46 - 111	
3-Nitroaniline	20.0	14.8	74	45 - 116	
Diethyl phthalate	20.0	16.0	80	33 - 134	
4-Nitroaniline	20.0	16.4	82	45 - 120	
Dimethyl phthalate	20.0	15.9	80	15 - 143	
Di-n-butyl phthalate	20.0	17.5	88	55 - 122	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-46062

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-46062/18-A	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/05/2012 0914	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	20.0	16.6	83	29 - 110	
Di-n-octyl phthalate	20.0	16.8	84	44 - 128	
4-Nitrophenol	20.0	13.6	68	12 - 130	
Fluoranthene	20.0	15.9	80	54 - 122	
Fluorene	20.0	15.7	79	47 - 112	
Hexachlorobenzene	20.0	13.1	66	51 - 112	
2,2'-oxybis[1-chloropropane]	20.0	19.1	95	25 - 128	
Hexachlorobutadiene	20.0	13.1	65	13 - 110	
Hexachlorocyclopentadiene	20.0	7.32	37	10 - 110	J
Hexachloroethane	20.0	14.4	72	12 - 110	
Indeno[1,2,3-cd]pyrene	20.0	14.3	72	46 - 121	
Isophorone	20.0	16.7	84	44 - 128	
2,4,5-Trichlorophenol	20.0	15.6	78	39 - 110	
Naphthalene	20.0	16.7	84	31 - 110	
2,4,6-Trichlorophenol	20.0	15.1	75	35 - 110	
Nitrobenzene	20.0	15.0	75	37 - 115	
N-Nitrosodi-n-propylamine	20.0	17.0	85	37 - 121	
N-Nitrosodiphenylamine	20.0	13.9	69	53 - 113	
Pentachlorophenol	20.0	8.44	42	26 - 110	
Phenol	20.0	17.0	85	14 - 112	
Phenanthrene	20.0	15.6	78	52 - 114	
Pyrene	20.0	15.7	79	55 - 120	
2,6-Dinitrotoluene	20.0	15.0	75	52 - 119	
3 & 4 Methylphenol	40.0	33.4	84	32 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	28 - 110
2-Fluorophenol (Surr)	81	10 - 110
2,4,6-Tribromophenol (Surr)	71	22 - 120
Nitrobenzene-d5 (Surr)	74	27 - 111
Phenol-d5 (Surr)	85	10 - 110
Terphenyl-d14 (Surr)	80	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	42	34		28 - 110
2-Fluorophenol (Surr)	55	45		10 - 110
2,4,6-Tribromophenol (Surr)	54	38		22 - 120
Nitrobenzene-d5 (Surr)	51	41		27 - 111
Phenol-d5 (Surr)	57	47		10 - 110
Terphenyl-d14 (Surr)	37	35	X	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-46062

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11623-2RE	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	06/05/2012 1804	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2RE	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	06/05/2012 1822	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	51	40	36 - 110	24	30	H	H
Acenaphthylene	48	39	39 - 110	19	30	H	H
Acetophenone	58	47	50 - 130	20	30	H	H F
Anthracene	50	38	46 - 110	26	30	H	H F
Atrazine	72	52	50 - 130	30	30	H	H
Benzaldehyde	54	43	10 - 130	21	30	H	H
Benzo[a]anthracene	36	34	52 - 110	5	30	H F	H F
Benzo[b]fluoranthene	26	29	33 - 114	9	30	H F	H F
Benzo[k]fluoranthene	24	29	32 - 121	21	30	H F	H F
Benzo[g,h,i]perylene	17	22	34 - 116	25	30	H F	H F
Benzo[a]pyrene	17	22	33 - 110	23	30	H F	H F
Butyl benzyl phthalate	51	41	51 - 121	21	30	H	H F
1,1'-Biphenyl	53	42	50 - 130	21	30	H	H F
Bis(2-chloroethoxy)methane	51	41	35 - 110	22	30	H	H
Bis(2-chloroethyl)ether	56	44	27 - 110	22	30	H	H
Bis(2-ethylhexyl) phthalate	15	18	40 - 140	14	30	H F	H F
4-Bromophenyl phenyl ether	44	34	42 - 113	24	30	H	H F
Caprolactam	64	45	50 - 130	33	30	H	H F
Carbazole	54	39	49 - 114	31	30	H	H F
4-Chloroaniline	43	34	10 - 110	24	30	H	H
4-Chloro-3-methylphenol	61	47	33 - 110	25	30	H	H
2-Chloronaphthalene	44	35	34 - 110	22	30	H	H
2-Chlorophenol	54	43	26 - 110	21	30	H	H
4-Chlorophenyl phenyl ether	47	36	43 - 113	25	30	H	H F
Chrysene	38	37	52 - 111	4	30	H F	H F
2-Methylnaphthalene	53	43	35 - 110	19	30	H	H
3 & 4 Methylphenol	58	46	25 - 110	21	30	H	H
Dibenz(a,h)anthracene	20	25	35 - 118	24	30	H F	H F
Dibenzofuran	53	41	41 - 110	24	30	H	H
3,3'-Dichlorobenzidine	13	16	10 - 110	22	30	J H	J H
2,4-Dichlorophenol	56	45	30 - 110	20	30	H	H
Diethyl phthalate	59	43	33 - 130	31	30	H	H F

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-46062

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11623-2RE	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	06/05/2012 1804	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2RE	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	06/05/2012 1822	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-Dimethylphenol	53	44	11 - 110	18	30	H	H
Dimethyl phthalate	58	43	36 - 124	28	30	H	H
4,6-Dinitro-2-methylphenol	21	20	25 - 110	3	30	J H F	J H F
2,4-Dinitrophenol	0	0	11 - 119	NC	30	H F	H F
2,4-Dinitrotoluene	52	38	46 - 119	30	30	H	H F
Di-n-butyl phthalate	58	44	50 - 117	27	30	H	H F
Di-n-octyl phthalate	13	15	36 - 124	14	30	H F	H F
Fluoranthene	52	39	53 - 111	28	30	H F	H F
Fluorene	53	41	43 - 110	26	30	H	H F
Hexachlorobenzene	42	34	40 - 113	22	30	H	H F
Hexachlorobutadiene	43	37	14 - 110	16	30	H	H
Hexachlorocyclopentadiene	14	14	10 - 110	4	30	J H	J H
Hexachloroethane	44	39	10 - 110	10	30	H	H
Indeno[1,2,3-cd]pyrene	17	23	36 - 116	28	30	H F	H F
Isophorone	62	50	34 - 125	21	30	H	H
2-Methylphenol	53	43	26 - 110	20	30	H	H
Naphthalene	56	45	32 - 110	20	30	H	H
2-Nitroaniline	64	49	31 - 129	26	30	H	H
3-Nitroaniline	46	34	23 - 112	27	30	H	H
4-Nitroaniline	50	35	26 - 115	35	30	H	H F
Nitrobenzene	53	42	26 - 118	21	30	H	H
2-Nitrophenol	54	45	30 - 110	19	30	H	H
4-Nitrophenol	44	33	13 - 127	30	30	H	H
N-Nitrosodiphenylamine	45	35	28 - 118	23	30	H	H
N-Nitrosodi-n-propylamine	61	50	25 - 119	20	30	H	H
2,2'-oxybis[1-chloropropane]	68	55	25 - 128	20	30	H	H
Pentachlorophenol	30	25	23 - 110	17	30	H	J H
Phenanthrene	54	40	47 - 110	29	30	H	H F
Phenol	58	48	16 - 110	18	30	H	H
Pyrene	47	38	54 - 115	20	30	H F	H F
2,4,5-Trichlorophenol	57	44	36 - 110	25	30	H	H
2,4,6-Trichlorophenol	53	42	34 - 110	24	30	H	H

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-46062

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11623-2RE	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	06/05/2012 1804	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2RE	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-46062	Lab File ID:	0605036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	06/05/2012 1822	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	06/02/2012 0919			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,6-Dinitrotoluene	53	41	48 - 115	26	30	H	H F

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45370

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 240-45370/5-A	Analysis Batch:	240-45487	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-45370	Lab File ID:	P4000008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/29/2012 1223	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1244			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	98	35 - 137
DCB Decachlorobiphenyl	91	10 - 140

Lab Control Sample - Batch: 240-45370

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 240-45370/6-A	Analysis Batch:	240-45487	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-45370	Lab File ID:	P4000009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/29/2012 1239	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1244			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.56	102	56 - 130	
Aroclor-1260	2.50	2.62	105	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	98	35 - 137
DCB Decachlorobiphenyl	91	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45370

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45487	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-45370	Lab File ID:	P4000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	05/29/2012 1151			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1244			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45487	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-45370	Lab File ID:	P4000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	910 mL
Analysis Date:	05/29/2012 1207			Final Weight/Volume:	2 mL
Prep Date:	05/25/2012 1244			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	46	57	58 - 126	24	30	F	F
Aroclor-1260	28	28	14 - 141	1	30		

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	38		56	35 - 137
DCB Decachlorobiphenyl	0	X	13	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45836 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-45836/24-A	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/02/2012 1609	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	67	14 - 163

Lab Control Sample - Batch: 240-45836 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-45836/23-A	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/02/2012 1928	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	294	88	62 - 120	
Aroclor-1260	333	315	95	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	101	29 - 151
DCB Decachlorobiphenyl	87	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45836

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-11631-D-1-F MS	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.08 g
Analysis Date:	06/02/2012 1857			Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-11631-D-1-G MSD	Analysis Batch:	240-46054	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-45836	Lab File ID:	P1000031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.01 g
Analysis Date:	06/02/2012 1913			Final Weight/Volume:	10 mL
Prep Date:	05/31/2012 0941			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	85	83	22 - 157	2	30		
Aroclor-1260	89	87	13 - 161	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	81	76	29 - 151
DCB Decachlorobiphenyl	78	77	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45372 **Method: WI-DRO**
Preparation: 3510C

Lab Sample ID:	MB 240-45372/7-A	Analysis Batch:	240-45482	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-45372	Lab File ID:	P5B52905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/29/2012 1037	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0368	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-45372 **Method: WI-DRO**
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-45372/8-A	Analysis Batch:	240-45800	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-45372	Lab File ID:	P5B53105.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1016	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-45372/9-A	Analysis Batch:	240-45482	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-45372	Lab File ID:	P5B52913.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/29/2012 1444	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	92	79	75 - 115	15	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45372

Method: WI-DRO
Preparation: 3510C

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45800	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-45372	Lab File ID:	P5B53106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	940 mL
Analysis Date:	05/31/2012 1047			Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45482	Instrument ID:	A2HP5R
Client Matrix:	Water	Prep Batch:	240-45372	Lab File ID:	P5B52912.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	05/29/2012 1412			Final Weight/Volume:	1 mL
Prep Date:	05/25/2012 1248			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
WI Diesel Range Organics (C10-C28)	61	77	60 - 130	18	25		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45889

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-45889/13-A	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/04/2012 1138	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-45889

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-45889/14-A	Analysis Batch:	240-46253	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60505.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/05/2012 1009	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-45889/15-A	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60419.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/04/2012 1855	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	87	86	70 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45326

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-45326/1-A	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/31/2012 0812	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Barium	0.0803	J	0.071	20
Cadmium	ND		0.036	0.20
Beryllium	ND		0.043	0.50
Chromium	ND		0.20	0.50
Calcium	23.6	J	16	500
Cobalt	ND		0.16	5.0
Copper	ND		0.74	2.5
Iron	5.37	J	4.9	10
Potassium	18.9	J	6.2	500
Silver	ND		0.10	0.50
Magnesium	ND		5.1	500
Manganese	0.103	J	0.074	1.5
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Zinc	1.52	J	1.0	2.0
Antimony	ND		0.39	1.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Vanadium	ND		0.12	5.0
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45326

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-45326/2-A	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/31/2012 0818	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	207	104	80 - 120	
Barium	200	222	111	80 - 120	
Cadmium	5.00	5.11	102	80 - 120	
Beryllium	5.00	5.27	105	80 - 120	
Chromium	20.0	21.0	105	80 - 120	
Calcium	5000	5450	109	80 - 120	
Cobalt	50.0	51.9	104	80 - 120	
Copper	25.0	26.0	104	80 - 120	
Iron	100	116	116	80 - 120	
Potassium	5000	5010	100	80 - 120	
Silver	5.00	5.14	103	80 - 120	
Magnesium	5000	5260	105	80 - 120	
Manganese	50.0	52.7	105	80 - 120	
Sodium	5000	5170	103	80 - 120	
Nickel	50.0	49.2	98	80 - 120	
Zinc	50.0	53.2	106	80 - 120	
Antimony	50.0	52.6	105	80 - 120	
Arsenic	200	199	99	80 - 120	
Lead	50.0	51.0	102	80 - 120	
Selenium	200	197	99	80 - 120	
Vanadium	50.0	52.4	105	80 - 120	
Thallium	200	206	103	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45326

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-11623-4	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	05/30/2012 2007			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-4	Analysis Batch:	240-45827	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45326	Lab File ID:	I50530A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	05/30/2012 2013			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1048				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	104	108	75 - 125	3	20		
Cadmium	94	95	75 - 125	1	20		
Chromium	97	147	75 - 125	25	20		F
Silver	99	101	75 - 125	3	20		
Arsenic	94	95	75 - 125	2	20		
Lead	96	98	75 - 125	2	20		
Selenium	92	93	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45605

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-45605/1-A	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1721	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		97	200
Barium	ND		0.67	200
Cadmium	ND		0.66	5.0
Beryllium	ND		0.46	5.0
Chromium	ND		2.2	10
Calcium	185	J	130	5000
Cobalt	ND		1.7	7.0
Copper	ND		4.5	25
Iron	ND		81	100
Potassium	156	J	72	5000
Silver	ND		2.2	10
Magnesium	ND		34	5000
Manganese	1.28	J	0.41	15
Sodium	ND		590	5000
Nickel	ND		3.2	40
Antimony	ND		1.8	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0
Vanadium	ND		0.64	7.0
Thallium	ND		4.7	10

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Lab Control Sample - Batch: 240-45605

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-45605/2-A	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1727	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	2040	102	80 - 120	
Barium	2000	2060	103	80 - 120	
Cadmium	50.0	49.9	100	80 - 120	
Beryllium	50.0	50.8	102	80 - 120	
Chromium	200	199	100	80 - 120	
Calcium	50000	51700	103	80 - 120	
Cobalt	500	495	99	80 - 120	
Copper	250	246	98	80 - 120	
Iron	1000	989	99	80 - 120	
Potassium	50000	53300	107	80 - 120	
Silver	50.0	50.9	102	80 - 120	
Magnesium	50000	51200	102	80 - 120	
Manganese	500	512	102	80 - 120	
Sodium	50000	51400	103	80 - 120	
Nickel	500	506	101	80 - 120	
Antimony	500	503	101	80 - 120	
Arsenic	2000	1930	96	80 - 120	
Lead	500	487	97	80 - 120	
Selenium	2000	2010	101	80 - 120	
Vanadium	500	488	98	80 - 120	
Thallium	2000	1960	98	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45605

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1744			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1750			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	106	107	75 - 125	0	20		
Cadmium	100	101	75 - 125	1	20		
Chromium	101	101	75 - 125	1	20		
Silver	107	107	75 - 125	0	20		
Arsenic	100	101	75 - 125	1	20		
Lead	99	99	75 - 125	1	20		
Selenium	103	104	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45485

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-45404/1-C	Analysis Batch:	240-45734	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-45485	Lab File ID:	053012B-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/30/2012 1635	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1350				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-45485

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-45485/2-A	Analysis Batch:	240-45734	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-45485	Lab File ID:	053012B-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/30/2012 1637	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1350				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.44	89	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45485

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	240-11623-2	Analysis Batch:	240-45734	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-45485	Lab File ID:	053012B-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/30/2012 1643			Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1350				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-2	Analysis Batch:	240-45734	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-45485	Lab File ID:	053012B-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	05/30/2012 1650			Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1350				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	88	69 - 134	7	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Method Blank - Batch: 240-45344

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-45344/1-A	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/30/2012 1119	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-45344

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-45344/2-A	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/30/2012 1121	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.812	97	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45344

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-11623-4	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	05/30/2012 1128			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-4	Analysis Batch:	240-45754	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45344	Lab File ID:	053012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	05/30/2012 1130			Final Weight/Volume:	100 mL
Prep Date:	05/25/2012 1410				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	98	11 - 192	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11623-1

Duplicate - Batch: 240-45380

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-11609-A-1 DU	Analysis Batch:	240-45380	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/25/2012 1308	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	100	0.05	20	
Percent Moisture	0.51	0.45	11	20	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-11664-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
6/11/2012 12:48 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
06/11/2012

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-11664-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 05/25/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6 and 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3), ASB215(5-6.5(20120524) (240-11664-5), TB-001(20120525) (240-11664-6) and MEOH-001(20120525) (240-11664-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 05/29/2012 and analyzed on 06/02/2012.

Dichlorodifluoromethane was detected in method blank MB 240-45549/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Vinyl chloride failed the recovery criteria high for LCS 240-45549/2-A. Refer to the QC report for details.

Method 8260B: The laboratory control sample (LCS) for batch 45549 exceeded control limits for the following analyte: Vinyl Chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 45549.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample ASB212(20120524) (240-11664-4) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/01/2012.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Hexachlorobutadiene were detected in method blank MB 240-46002/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

1,1,2-Trichloroethane and 1,2-Dibromoethane failed the recovery criteria high for LCS 240-46002/4. Refer to the QC report for details.

Method 8260B: The laboratory control sample (LCS) for batch 46002 exceeded control limits for the following analytes:
1,1,2-Trichloroethane and Ethylene Dibromide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: There was an MS/MSD analyzed in batch 46002 but could not be reported because the associated sample needed reanalyzed in a different batch.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3) and ASB215(5-6.5(20120524) (240-11664-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/01/2012 and analyzed on 06/05/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Several analytes failed the recovery criteria low for the MS/MSD of sample 240-11672-2 in batch 240-46239. 2,4,5-Trichlorophenol, Bis(2-chloroethyl)ether, Caprolactam and Hexachlorocyclopentadiene exceeded the rpd limit.

Refer to the QC report for details.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample ASB212(20120524) (240-11664-4) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/29/2012 and analyzed on 06/05/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Caprolactam was detected in method blank MB 240-45551/12-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MS/MSD of sample 240-11641-1 in batch 240-45860.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO
Sample ASB212(20120524) (240-11664-4) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 05/31/2012 and analyzed on 06/01/2012.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-45858/2-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

WI Diesel Range Organics (C10-C28) exceeded the rpd limit for LCSD 240-45858/4-A. Refer to the QC report for details.

No other difficulties were encountered during the WI-DRO analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3) and ASB215(5-6.5(20120524) (240-11664-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/01/2012 and analyzed on 06/04/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-11794-139 MS), (240-11794-139 MSD), ASB212_5-7(20120524) (240-11664-3), ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB215(5-6.5(20120524) (240-11664-5), S-2.1-55(COMP) (240-11794-139). Lot # S6830

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB212(20120524) (240-11664-4) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 05/30/2012 and analyzed on 05/31/2012.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for ASB212(20120524) (240-11664-4). Refer to the QC report for details.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45863, 8082.

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB212(20120524) (240-11664-4). Lot # S65830

Method 8082: Surrogate recovery for the following sample was outside control limits: ASB212(20120524) (240-11664-4). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3) and ASB215(5-6.5(20120524) (240-11664-5) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 05/31/2012 and analyzed on 06/04/2012.

Sample ASB213_0-2(20120524) (240-11664-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the WI-DRO analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3) and ASB215(5-6.5(20120524) (240-11664-5) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/31/2012 and analyzed on 06/01/2012.

Several analytes were detected in method blank MB 240-45760/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Antimony and Iron failed the recovery criteria low for the MS of sample ASB213_0-2(20120524)MS (240-11664-1) in batch 240-46110. Aluminum and Manganese failed the recovery criteria high.

Antimony and Iron failed the recovery criteria low for the MSD of sample ASB213_0-2(20120524)MSD (240-11664-1) in batch 240-46110. Aluminum, Calcium, Magnesium and Manganese failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Sample ASB212(20120524) (240-11664-4) was analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 05/30/2012 and analyzed on 05/31/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample ASB212(20120524) (240-11664-4) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 06/05/2012.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3) and ASB215(5-6.5(20120524) (240-11664-5) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 05/30/2012 and analyzed on 06/05/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB213_0-2(20120524) (240-11664-1), ASB214_0-3(20120524) (240-11664-2), ASB212_5-7(20120524) (240-11664-3) and ASB215(5-6.5(20120524) (240-11664-5) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/29/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11664-1	**ASB213_0-2(20120524)**					
1,2,4-Trimethylbenzene		7.4	J	270	ug/Kg	8260B
Dichlorodifluoromethane		26	J B	270	ug/Kg	8260B
Methyl acetate		84	J	530	ug/Kg	8260B
Naphthalene		68	J	270	ug/Kg	8260B
Tetrachloroethene		120	J	270	ug/Kg	8260B
2-Methylnaphthalene		15	J	350	ug/Kg	8270C
Acenaphthene		80	J	350	ug/Kg	8270C
Acenaphthylene		9.9	J	350	ug/Kg	8270C
Anthracene		130	J	350	ug/Kg	8270C
Benzo[a]anthracene		530		350	ug/Kg	8270C
Benzo[a]pyrene		430		350	ug/Kg	8270C
Benzo[b]fluoranthene		650		350	ug/Kg	8270C
Benzo[g,h,i]perylene		290	J	350	ug/Kg	8270C
Benzo[k]fluoranthene		260	J	350	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		36	J	350	ug/Kg	8270C
Butyl benzyl phthalate		25	J	350	ug/Kg	8270C
Carbazole		68	J	350	ug/Kg	8270C
Chrysene		510		350	ug/Kg	8270C
Dibenz(a,h)anthracene		82	J	350	ug/Kg	8270C
Dibenzofuran		49	J	350	ug/Kg	8270C
Di-n-butyl phthalate		24	J	350	ug/Kg	8270C
Fluoranthene		1100		350	ug/Kg	8270C
Fluorene		53	J	350	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		240	J	350	ug/Kg	8270C
Naphthalene		27	J	350	ug/Kg	8270C
Phenanthrene		800		350	ug/Kg	8270C
Pyrene		930		350	ug/Kg	8270C
Aroclor-1254		18	J	35	ug/Kg	8082
WI Diesel Range Organics (C10-C28)		140		78	mg/Kg	WI-DRO
Barium		33	B	23	mg/Kg	6010B
Chromium		8.1		0.57	mg/Kg	6010B
Arsenic		1.8		1.1	mg/Kg	6010B
Lead		6.2		0.34	mg/Kg	6010B
Mercury		0.027	J	0.11	mg/Kg	7471A
Percent Solids		94		0.10	%	Moisture
Percent Moisture		5.7		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11664-2	**ASB214_0-3(20120524)**					
Dichlorodifluoromethane		19	J B	260	ug/Kg	8260B
Methyl acetate		150	J	530	ug/Kg	8260B
Naphthalene		8.6	J	260	ug/Kg	8260B
2-Methylnaphthalene		9.2	J	350	ug/Kg	8270C
Acenaphthene		30	J	350	ug/Kg	8270C
Anthracene		110	J	350	ug/Kg	8270C
Benzo[a]anthracene		300	J	350	ug/Kg	8270C
Benzo[a]pyrene		210	J	350	ug/Kg	8270C
Benzo[b]fluoranthene		330	J	350	ug/Kg	8270C
Benzo[g,h,i]perylene		130	J	350	ug/Kg	8270C
Benzo[k]fluoranthene		140	J	350	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		33	J	350	ug/Kg	8270C
Carbazole		46	J	350	ug/Kg	8270C
Chrysene		290	J	350	ug/Kg	8270C
Dibenzofuran		31	J	350	ug/Kg	8270C
Fluoranthene		600		350	ug/Kg	8270C
Fluorene		34	J	350	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		110	J	350	ug/Kg	8270C
Naphthalene		11	J	350	ug/Kg	8270C
Phenanthrene		490		350	ug/Kg	8270C
Pyrene		550		350	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		28		12	mg/Kg	WI-DRO
Barium		46	B	22	mg/Kg	6010B
Cadmium		0.043	J	0.22	mg/Kg	6010B
Chromium		10		0.56	mg/Kg	6010B
Arsenic		2.9		1.1	mg/Kg	6010B
Lead		4.5		0.33	mg/Kg	6010B
Mercury		0.026	J	0.094	mg/Kg	7471A
Percent Solids		95		0.10	%	Moisture
Percent Moisture		4.6		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11664-3	**ASB212_5-7(20120524)**					
Methyl acetate		48	J	570	ug/Kg	8260B
Tetrachloroethene		23	J	280	ug/Kg	8260B
Benzo[a]anthracene		5.0	J	400	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		31	J	400	ug/Kg	8270C
Fluoranthene		6.1	J	400	ug/Kg	8270C
Pyrene		6.4	J	400	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.4	J	14	mg/Kg	WI-DRO
Barium		45	B	23	mg/Kg	6010B
Chromium		11		0.58	mg/Kg	6010B
Arsenic		3.2		1.2	mg/Kg	6010B
Lead		5.7		0.35	mg/Kg	6010B
Mercury		0.029	J	0.12	mg/Kg	7471A
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-11664-4	**ASB212(20120524)**					
Carbon disulfide		0.36	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.31	J	1.0	ug/L	8260B
Cyclohexane		0.13	J	1.0	ug/L	8260B
Trichloroethene		0.76	J	1.0	ug/L	8260B
Aroclor-1260		0.063	J	0.21	ug/L	8082
WI Diesel Range Organics (C10-C28)		0.29	B *	0.10	mg/L	WI-DRO
Total Recoverable						
Barium		530		200	ug/L	6010B
Chromium		5.3	J	10	ug/L	6010B
Arsenic		9.8	J	10	ug/L	6010B
Lead		5.7		3.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-11664-5	**ASB215(5-6.5(20120524)**					
Dichlorodifluoromethane		31	J B	280	ug/Kg	8260B
Methyl acetate		180	J	550	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		32	J	380	ug/Kg	8270C
Pyrene		4.4	J	380	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		5.4	J	18	mg/Kg	WI-DRO
Aluminum		6700		22	mg/Kg	6010B
Barium		81	B	22	mg/Kg	6010B
Beryllium		0.32	J	0.54	mg/Kg	6010B
Calcium		9500	B	540	mg/Kg	6010B
Cobalt		8.3		5.4	mg/Kg	6010B
Chromium		32		0.54	mg/Kg	6010B
Copper		14		2.7	mg/Kg	6010B
Iron		15000		11	mg/Kg	6010B
Potassium		760	B	540	mg/Kg	6010B
Magnesium		3800	B	540	mg/Kg	6010B
Manganese		800	B	1.6	mg/Kg	6010B
Nickel		16		4.3	mg/Kg	6010B
Vanadium		19		5.4	mg/Kg	6010B
Zinc		21		2.2	mg/Kg	6010B
Arsenic		3.1		1.1	mg/Kg	6010B
Lead		5.3		0.32	mg/Kg	6010B
Selenium		0.54		0.54	mg/Kg	6010B
Mercury		0.033	J	0.11	mg/Kg	7471A
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-11664-6TB	**TB-001(20120525)**					
Dichlorodifluoromethane		18	J B	250	ug/Kg	8260B
Methyl acetate		41	J	500	ug/Kg	8260B
240-11664-7TB	**MEOH-001(20120525)**					
Dichlorodifluoromethane		24	J B	250	ug/Kg	8260B
Methyl acetate		40	J	500	ug/Kg	8260B

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction	TAL NC		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction	TAL NC		SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)	TAL NC		WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals	TAL NC		SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury	TAL NC		SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL NC		SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)	TAL NC		SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL NC		SW846 3005A
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury	TAL NC		SW846 7470A

Lab References:

TAL NC = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method	Analyst	Analyst ID
SW846 8260B	Lata, Todd	TL
SW846 8260B	Williams, Larry	LW
SW846 8270C	Gruber, John	JG
SW846 8270C	Hula, Tom	TH
SW846 8082	Hass, Lori	LH
SW846 8082	Kuster, Rhonda	RK
WI-DRO WI-DRO	Geis, Sharon	SG
SW846 6010B	Musselman, Natalie J	NJM
SW846 7470A	Sutherland, Aaron	AS
SW846 7471A	Sutherland, Aaron	AS
EPA Moisture	Kuhle, Julie	JK

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-11664-1	ASB213_0-2(20120524)	Solid	05/24/2012 0950	05/25/2012 0920
240-11664-2	ASB214_0-3(20120524)	Solid	05/24/2012 1050	05/25/2012 0920
240-11664-3	ASB212_5-7(20120524)	Solid	05/24/2012 1330	05/25/2012 0920
240-11664-4	ASB212(20120524)	Water	05/24/2012 1345	05/25/2012 0920
240-11664-5	ASB215(5-6.5(20120524)	Solid	05/24/2012 1445	05/25/2012 0920
240-11664-6TB	TB-001(20120525)	Solid	05/24/2012 0000	05/25/2012 0920
240-11664-7TB	MEOH-001(20120525)	Solid	05/24/2012 0000	05/25/2012 0920

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89004.D
Dilution:	1.0			Initial Weight/Volume:	9.967 g
Analysis Date:	06/02/2012 0827			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.7	270
1,1,1-Trichloroethane		ND		22	270
1,1,2,2-Tetrachloroethane		ND		9.5	270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		42	270
1,1,2-Trichloroethane		ND		13	270
1,1-Dichloroethane		ND		18	270
1,1-Dichloroethene		ND		19	270
1,1-Dichloropropene		ND		11	270
1,2,3-Trichlorobenzene		ND		11	270
1,2,3-Trichloropropane		ND		22	270
1,2,4-Trichlorobenzene		ND		7.8	270
1,2,4-Trimethylbenzene		7.4	J	5.3	270
1,2-Dibromo-3-Chloropropane		ND		53	530
1,2-Dibromoethane		ND		11	270
1,2-Dichlorobenzene		ND		9.2	270
1,2-Dichloroethane		ND		11	270
1,2-Dichloropropane		ND		8.7	270
1,3,5-Trimethylbenzene		ND		6.2	270
1,3-Dichlorobenzene		ND		5.1	270
1,3-Dichloropropane		ND		23	270
1,4-Dichlorobenzene		ND		8.5	270
2,2-Dichloropropane		ND		24	270
2-Butanone (MEK)		ND		46	1100
2-Chlorotoluene		ND		9.6	270
2-Hexanone		ND		21	1100
Allyl chloride		ND		56	530
4-Chlorotoluene		ND		11	270
4-Methyl-2-pentanone (MIBK)		ND		51	1100
Acetone		ND		180	1100
Benzene		ND		13	270
Bromobenzene		ND		14	270
Bromochloromethane		ND		14	270
Bromodichloromethane		ND		11	270
Bromoform		ND		20	270
Bromomethane		ND		31	270
Carbon disulfide		ND		13	270
Carbon tetrachloride		ND		6.8	270
Chlorobenzene		ND		6.8	270
Chloroethane		ND		65	270
Chloroform		ND		9.4	270
Chloromethane		ND		15	270
cis-1,2-Dichloroethene		ND		7.3	270
cis-1,3-Dichloropropene		ND		8.4	270
Cyclohexane		ND		43	530
Chlorodibromomethane		ND		13	270
Dibromomethane		ND		15	270

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89004.D
Dilution:	1.0			Initial Weight/Volume:	9.967 g
Analysis Date:	06/02/2012 0827			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		26	J B	17	270
Dichlorofluoromethane		ND		27	530
Ethyl ether		ND		16	530
Ethylbenzene		ND		5.7	270
Hexachlorobutadiene		ND		15	270
Isopropylbenzene		ND		6.9	270
Methyl acetate		84	J	27	530
Methyl tert butyl ether		ND		7.6	1100
Methylcyclohexane		ND		13	530
Methylene Chloride		ND		82	270
m-Xylene & p-Xylene		ND		6.6	530
Naphthalene		68	J	7.1	270
n-Butylbenzene		ND		8.5	270
N-Propylbenzene		ND		15	270
o-Xylene		ND		9.0	270
p-Isopropyltoluene		ND		5.1	270
sec-Butylbenzene		ND		5.0	270
Styrene		ND		6.0	270
tert-Butylbenzene		ND		6.9	270
Tetrachloroethene		120	J	13	270
Tetrahydrofuran		ND		52	1100
Toluene		ND		18	270
trans-1,2-Dichloroethene		ND		9.8	270
trans-1,3-Dichloropropene		ND		21	270
Trichloroethene		ND		10	270
Trichlorofluoromethane		ND		17	270
Vinyl chloride		ND	*	19	270

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		39 - 128
4-Bromofluorobenzene (Surr)	104		26 - 141
Dibromofluoromethane (Surr)	92		30 - 122
Toluene-d8 (Surr)	101		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89005.D
Dilution:	1.0			Initial Weight/Volume:	9.962 g
Analysis Date:	06/02/2012 0848			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.6	260
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.4	260
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		41	260
1,1,2-Trichloroethane		ND		13	260
1,1-Dichloroethane		ND		18	260
1,1-Dichloroethene		ND		19	260
1,1-Dichloropropene		ND		11	260
1,2,3-Trichlorobenzene		ND		11	260
1,2,3-Trichloropropane		ND		22	260
1,2,4-Trichlorobenzene		ND		7.7	260
1,2,4-Trimethylbenzene		ND		5.3	260
1,2-Dibromo-3-Chloropropane		ND		53	530
1,2-Dibromoethane		ND		11	260
1,2-Dichlorobenzene		ND		9.0	260
1,2-Dichloroethane		ND		11	260
1,2-Dichloropropane		ND		8.6	260
1,3,5-Trimethylbenzene		ND		6.1	260
1,3-Dichlorobenzene		ND		5.1	260
1,3-Dichloropropane		ND		23	260
1,4-Dichlorobenzene		ND		8.4	260
2,2-Dichloropropane		ND		24	260
2-Butanone (MEK)		ND		45	1100
2-Chlorotoluene		ND		9.5	260
2-Hexanone		ND		21	1100
Allyl chloride		ND		56	530
4-Chlorotoluene		ND		10	260
4-Methyl-2-pentanone (MIBK)		ND		51	1100
Acetone		ND		180	1100
Benzene		ND		13	260
Bromobenzene		ND		14	260
Bromochloromethane		ND		14	260
Bromodichloromethane		ND		10	260
Bromoform		ND		20	260
Bromomethane		ND		31	260
Carbon disulfide		ND		13	260
Carbon tetrachloride		ND		6.7	260
Chlorobenzene		ND		6.7	260
Chloroethane		ND		64	260
Chloroform		ND		9.3	260
Chloromethane		ND		15	260
cis-1,2-Dichloroethene		ND		7.3	260
cis-1,3-Dichloropropene		ND		8.3	260
Cyclohexane		ND		42	530
Chlorodibromomethane		ND		13	260
Dibromomethane		ND		15	260

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89005.D
Dilution:	1.0			Initial Weight/Volume:	9.962 g
Analysis Date:	06/02/2012 0848			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		19	J B	17	260
Dichlorofluoromethane		ND		26	530
Ethyl ether		ND		16	530
Ethylbenzene		ND		5.7	260
Hexachlorobutadiene		ND		15	260
Isopropylbenzene		ND		6.8	260
Methyl acetate		150	J	26	530
Methyl tert butyl ether		ND		7.5	1100
Methylcyclohexane		ND		13	530
Methylene Chloride		ND		81	260
m-Xylene & p-Xylene		ND		6.5	530
Naphthalene		8.6	J	7.0	260
n-Butylbenzene		ND		8.4	260
N-Propylbenzene		ND		15	260
o-Xylene		ND		8.9	260
p-Isopropyltoluene		ND		5.1	260
sec-Butylbenzene		ND		4.9	260
Styrene		ND		5.9	260
tert-Butylbenzene		ND		6.8	260
Tetrachloroethene		ND		13	260
Tetrahydrofuran		ND		52	1100
Toluene		ND		18	260
trans-1,2-Dichloroethene		ND		9.7	260
trans-1,3-Dichloropropene		ND		21	260
Trichloroethene		ND		10	260
Trichlorofluoromethane		ND		17	260
Vinyl chloride		ND	*	19	260

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		39 - 128
4-Bromofluorobenzene (Surr)	101		26 - 141
Dibromofluoromethane (Surr)	78		30 - 122
Toluene-d8 (Surr)	98		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89006.D
Dilution:	1.0			Initial Weight/Volume:	10.722 g
Analysis Date:	06/02/2012 0909			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		14	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.3	280
1,2,4-Trimethylbenzene		ND		5.7	280
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.7	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.3	280
1,3,5-Trimethylbenzene		ND		6.6	280
1,3-Dichlorobenzene		ND		5.4	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.1	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		23	1100
Allyl chloride		ND		60	570
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		54	1100
Acetone		ND		190	1100
Benzene		ND		14	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		22	280
Bromomethane		ND		33	280
Carbon disulfide		ND		14	280
Carbon tetrachloride		ND		7.3	280
Chlorobenzene		ND		7.3	280
Chloroethane		ND		69	280
Chloroform		ND		10	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.8	280
cis-1,3-Dichloropropene		ND		9.0	280
Cyclohexane		ND		45	570
Chlorodibromomethane		ND		14	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89006.D
Dilution:	1.0			Initial Weight/Volume:	10.722 g
Analysis Date:	06/02/2012 0909			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	570
Ethyl ether		ND		17	570
Ethylbenzene		ND		6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.4	280
Methyl acetate		48	J	28	570
Methyl tert butyl ether		ND		8.0	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		87	280
m-Xylene & p-Xylene		ND		7.0	570
Naphthalene		ND		7.6	280
n-Butylbenzene		ND		9.1	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.6	280
p-Isopropyltoluene		ND		5.4	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.3	280
tert-Butylbenzene		ND		7.4	280
Tetrachloroethene		23	J	14	280
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		23	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND	*	20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		39 - 128
4-Bromofluorobenzene (Surr)	87		26 - 141
Dibromofluoromethane (Surr)	77		30 - 122
Toluene-d8 (Surr)	85		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6583.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 2000			Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 2000				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND	*	0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.36	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.31	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	0.13	J	0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM6583.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 2000			Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 2000				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND	*	0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	0.76	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		63 - 129
4-Bromofluorobenzene (Surr)	83		66 - 117
Toluene-d8 (Surr)	85		74 - 115
Dibromofluoromethane (Surr)	96		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89007.D
Dilution:	1.0			Initial Weight/Volume:	10.371 g
Analysis Date:	06/02/2012 0931			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		23	280
1,1,2,2-Tetrachloroethane		ND		9.8	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		43	280
1,1,2-Trichloroethane		ND		13	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		23	280
1,2,4-Trichlorobenzene		ND		8.1	280
1,2,4-Trimethylbenzene		ND		5.5	280
1,2-Dibromo-3-Chloropropane		ND		55	550
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.5	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.1	280
1,3,5-Trimethylbenzene		ND		6.4	280
1,3-Dichlorobenzene		ND		5.3	280
1,3-Dichloropropane		ND		24	280
1,4-Dichlorobenzene		ND		8.8	280
2,2-Dichloropropane		ND		25	280
2-Butanone (MEK)		ND		47	1100
2-Chlorotoluene		ND		9.9	280
2-Hexanone		ND		22	1100
Allyl chloride		ND		59	550
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		53	1100
Acetone		ND		190	1100
Benzene		ND		13	280
Bromobenzene		ND		14	280
Bromochloromethane		ND		14	280
Bromodichloromethane		ND		11	280
Bromoform		ND		21	280
Bromomethane		ND		32	280
Carbon disulfide		ND		13	280
Carbon tetrachloride		ND		7.1	280
Chlorobenzene		ND		7.1	280
Chloroethane		ND		67	280
Chloroform		ND		9.7	280
Chloromethane		ND		15	280
cis-1,2-Dichloroethene		ND		7.6	280
cis-1,3-Dichloropropene		ND		8.7	280
Cyclohexane		ND		44	550
Chlorodibromomethane		ND		13	280
Dibromomethane		ND		15	280

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89007.D
Dilution:	1.0			Initial Weight/Volume:	10.371 g
Analysis Date:	06/02/2012 0931			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		31	J B	18	280
Dichlorofluoromethane		ND		28	550
Ethyl ether		ND		17	550
Ethylbenzene		ND		6.0	280
Hexachlorobutadiene		ND		15	280
Isopropylbenzene		ND		7.2	280
Methyl acetate		180	J	28	550
Methyl tert butyl ether		ND		7.8	1100
Methylcyclohexane		ND		13	550
Methylene Chloride		ND		85	280
m-Xylene & p-Xylene		ND		6.8	550
Naphthalene		ND		7.4	280
n-Butylbenzene		ND		8.8	280
N-Propylbenzene		ND		15	280
o-Xylene		ND		9.4	280
p-Isopropyltoluene		ND		5.3	280
sec-Butylbenzene		ND		5.2	280
Styrene		ND		6.2	280
tert-Butylbenzene		ND		7.2	280
Tetrachloroethene		ND		13	280
Tetrahydrofuran		ND		54	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		22	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND	*	20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		39 - 128
4-Bromofluorobenzene (Surr)	92		26 - 141
Dibromofluoromethane (Surr)	82		30 - 122
Toluene-d8 (Surr)	88		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **TB-001(20120525)**

Lab Sample ID: 240-11664-6TB Date Sampled: 05/24/2012 0000
Client Matrix: Solid Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89008.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0952			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **TB-001(20120525)**

Lab Sample ID: 240-11664-6TB Date Sampled: 05/24/2012 0000
Client Matrix: Solid Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89008.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0952			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		18	J B	16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		41	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND	*	18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		39 - 128
4-Bromofluorobenzene (Surr)	96		26 - 141
Dibromofluoromethane (Surr)	85		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **MEOH-001(20120525)**

Lab Sample ID: 240-11664-7TB Date Sampled: 05/24/2012 0000
Client Matrix: Solid Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89009.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 1013			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **MEOH-001(20120525)**

Lab Sample ID: 240-11664-7TB Date Sampled: 05/24/2012 0000
Client Matrix: Solid Date Received: 05/25/2012 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-45549	Lab File ID:	UX89009.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 1013			Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1150				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		24	J B	16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		40	J	25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		ND		17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND	*	18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		39 - 128
4-Bromofluorobenzene (Surr)	97		26 - 141
Dibromofluoromethane (Surr)	84		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605018.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	06/05/2012 1304			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		29	350
2,2'-oxybis[1-chloropropane]		ND		10	350
2,4,5-Trichlorophenol		ND		26	350
2,4,6-Trichlorophenol		ND		85	350
2,4-Dichlorophenol		ND		21	350
2,4-Dimethylphenol		ND		21	350
2,4-Dinitrophenol		ND		85	1700
2,4-Dinitrotoluene		ND		29	350
2,6-Dinitrotoluene		ND		22	350
2-Chloronaphthalene		ND		3.5	350
2-Chlorophenol		ND		29	350
2-Methylnaphthalene		15	J	3.5	350
2-Methylphenol		ND		85	350
2-Nitroaniline		ND		9.6	1700
2-Nitrophenol		ND		29	350
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		85	1700
4-Bromophenyl phenyl ether		ND		14	350
4-Chloro-3-methylphenol		ND		22	350
4-Chloroaniline		ND		18	350
4-Chlorophenyl phenyl ether		ND		14	350
4-Nitroaniline		ND		28	1700
4-Nitrophenol		ND		85	1700
Acenaphthene		80	J	3.5	350
Acenaphthylene		9.9	J	3.5	350
Acetophenone		ND		9.7	350
Anthracene		130	J	3.5	350
Atrazine		ND		9.6	350
Benzaldehyde		ND		13	350
Benzo[a]anthracene		530		3.5	350
Benzo[a]pyrene		430		3.5	350
Benzo[b]fluoranthene		650		3.5	350
Benzo[g,h,i]perylene		290	J	3.5	350
Benzo[k]fluoranthene		260	J	3.5	350
Bis(2-chloroethoxy)methane		ND		23	350
Bis(2-chloroethyl)ether		ND		2.1	350
Bis(2-ethylhexyl) phthalate		36	J	20	350
Butyl benzyl phthalate		25	J	11	350
Caprolactam		ND		39	350
Carbazole		68	J	29	350
Chrysene		510		1.2	350
Dibenz(a,h)anthracene		82	J	3.5	350
Dibenzofuran		49	J	3.5	350
Diethyl phthalate		ND		17	350
Dimethyl phthalate		ND		18	350

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605018.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	06/05/2012 1304			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		24	J	16	350
Di-n-octyl phthalate		ND		29	350
Fluoranthene		1100		3.5	350
Fluorene		53	J	3.5	350
Hexachlorobenzene		ND		2.2	350
Hexachlorobutadiene		ND		29	350
Hexachlorocyclopentadiene		ND		29	1700
Hexachloroethane		ND		9.5	350
Indeno[1,2,3-cd]pyrene		240	J	3.5	350
Isophorone		ND		14	350
Naphthalene		27	J	3.5	350
Nitrobenzene		ND		2.3	350
N-Nitrosodi-n-propylamine		ND		29	350
N-Nitrosodiphenylamine		ND		22	350
Pentachlorophenol		ND		85	350
Phenol		ND		29	350
Phenanthrene		800		3.5	350
Pyrene		930		3.5	350
3 & 4 Methylphenol		ND		21	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		34 - 110
2-Fluorophenol (Surr)	58		26 - 110
2,4,6-Tribromophenol (Surr)	18		10 - 118
Nitrobenzene-d5 (Surr)	49		24 - 112
Phenol-d5 (Surr)	51		28 - 110
Terphenyl-d14 (Surr)	55		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605019.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	06/05/2012 1321			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		28	350
2,2'-oxybis[1-chloropropane]		ND		9.9	350
2,4,5-Trichlorophenol		ND		26	350
2,4,6-Trichlorophenol		ND		84	350
2,4-Dichlorophenol		ND		21	350
2,4-Dimethylphenol		ND		21	350
2,4-Dinitrophenol		ND		84	1700
2,4-Dinitrotoluene		ND		28	350
2,6-Dinitrotoluene		ND		22	350
2-Chloronaphthalene		ND		3.5	350
2-Chlorophenol		ND		28	350
2-Methylnaphthalene		9.2	J	3.5	350
2-Methylphenol		ND		84	350
2-Nitroaniline		ND		9.5	1700
2-Nitrophenol		ND		28	350
3,3'-Dichlorobenzidine		ND		19	1700
3-Nitroaniline		ND		17	1700
4,6-Dinitro-2-methylphenol		ND		84	1700
4-Bromophenyl phenyl ether		ND		14	350
4-Chloro-3-methylphenol		ND		22	350
4-Chloroaniline		ND		18	350
4-Chlorophenyl phenyl ether		ND		14	350
4-Nitroaniline		ND		27	1700
4-Nitrophenol		ND		84	1700
Acenaphthene		30	J	3.5	350
Acenaphthylene		ND		3.5	350
Acetophenone		ND		9.6	350
Anthracene		110	J	3.5	350
Atrazine		ND		9.5	350
Benzaldehyde		ND		13	350
Benzo[a]anthracene		300	J	3.5	350
Benzo[a]pyrene		210	J	3.5	350
Benzo[b]fluoranthene		330	J	3.5	350
Benzo[g,h,i]perylene		130	J	3.5	350
Benzo[k]fluoranthene		140	J	3.5	350
Bis(2-chloroethoxy)methane		ND		23	350
Bis(2-chloroethyl)ether		ND		2.1	350
Bis(2-ethylhexyl) phthalate		33	J	20	350
Butyl benzyl phthalate		ND		10	350
Caprolactam		ND		39	350
Carbazole		46	J	28	350
Chrysene		290	J	1.2	350
Dibenz(a,h)anthracene		ND		3.5	350
Dibenzofuran		31	J	3.5	350
Diethyl phthalate		ND		17	350
Dimethyl phthalate		ND		18	350

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605019.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	06/05/2012 1321			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		16	350
Di-n-octyl phthalate		ND		28	350
Fluoranthene		600		3.5	350
Fluorene		34	J	3.5	350
Hexachlorobenzene		ND		2.2	350
Hexachlorobutadiene		ND		28	350
Hexachlorocyclopentadiene		ND		28	1700
Hexachloroethane		ND		9.4	350
Indeno[1,2,3-cd]pyrene		110	J	3.5	350
Isophorone		ND		14	350
Naphthalene		11	J	3.5	350
Nitrobenzene		ND		2.3	350
N-Nitrosodi-n-propylamine		ND		28	350
N-Nitrosodiphenylamine		ND		22	350
Pentachlorophenol		ND		84	350
Phenol		ND		28	350
Phenanthrene		490		3.5	350
Pyrene		550		3.5	350
3 & 4 Methylphenol		ND		21	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	41		34 - 110
2-Fluorophenol (Surr)	51		26 - 110
2,4,6-Tribromophenol (Surr)	17		10 - 118
Nitrobenzene-d5 (Surr)	42		24 - 112
Phenol-d5 (Surr)	46		28 - 110
Terphenyl-d14 (Surr)	51		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605020.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	06/05/2012 1339			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		33	400
2,2'-oxybis[1-chloropropane]		ND		12	400
2,4,5-Trichlorophenol		ND		30	400
2,4,6-Trichlorophenol		ND		97	400
2,4-Dichlorophenol		ND		24	400
2,4-Dimethylphenol		ND		24	400
2,4-Dinitrophenol		ND		97	1900
2,4-Dinitrotoluene		ND		33	400
2,6-Dinitrotoluene		ND		25	400
2-Chloronaphthalene		ND		4.0	400
2-Chlorophenol		ND		33	400
2-Methylnaphthalene		ND		4.0	400
2-Methylphenol		ND		97	400
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		33	400
3,3'-Dichlorobenzidine		ND		22	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		97	1900
4-Bromophenyl phenyl ether		ND		16	400
4-Chloro-3-methylphenol		ND		25	400
4-Chloroaniline		ND		21	400
4-Chlorophenyl phenyl ether		ND		16	400
4-Nitroaniline		ND		32	1900
4-Nitrophenol		ND		97	1900
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Acetophenone		ND		11	400
Anthracene		ND		4.0	400
Atrazine		ND		11	400
Benzaldehyde		ND		15	400
Benzo[a]anthracene		5.0	J	4.0	400
Benzo[a]pyrene		ND		4.0	400
Benzo[b]fluoranthene		ND		4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Bis(2-chloroethoxy)methane		ND		27	400
Bis(2-chloroethyl)ether		ND		2.4	400
Bis(2-ethylhexyl) phthalate		31	J	23	400
Butyl benzyl phthalate		ND		12	400
Caprolactam		ND		45	400
Carbazole		ND		33	400
Chrysene		ND		1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Dibenzofuran		ND		4.0	400
Diethyl phthalate		ND		19	400
Dimethyl phthalate		ND		21	400

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605020.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Analysis Date:	06/05/2012 1339			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	400
Di-n-octyl phthalate		ND		33	400
Fluoranthene		6.1	J	4.0	400
Fluorene		ND		4.0	400
Hexachlorobenzene		ND		2.5	400
Hexachlorobutadiene		ND		33	400
Hexachlorocyclopentadiene		ND		33	1900
Hexachloroethane		ND		11	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Isophorone		ND		16	400
Naphthalene		ND		4.0	400
Nitrobenzene		ND		2.7	400
N-Nitrosodi-n-propylamine		ND		33	400
N-Nitrosodiphenylamine		ND		25	400
Pentachlorophenol		ND		97	400
Phenol		ND		33	400
Phenanthrene		ND		4.0	400
Pyrene		6.4	J	4.0	400
3 & 4 Methylphenol		ND		24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	36		34 - 110
2-Fluorophenol (Surr)	43		26 - 110
2,4,6-Tribromophenol (Surr)	17		10 - 118
Nitrobenzene-d5 (Surr)	35		24 - 112
Phenol-d5 (Surr)	36		28 - 110
Terphenyl-d14 (Surr)	51		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46272	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-45551	Lab File ID:	20605026.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	06/05/2012 1800			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.11	0.21
Acenaphthylene	ND		0.11	0.21
Acetophenone	ND		0.36	1.1
Anthracene	ND		0.11	0.21
Atrazine	ND		0.36	1.1
Benzaldehyde	ND		0.41	1.1
Benzo[a]anthracene	ND		0.11	0.21
Benzo[b]fluoranthene	ND		0.11	0.21
Benzo[k]fluoranthene	ND		0.11	0.21
Benzo[g,h,i]perylene	ND		0.11	0.21
Benzo[a]pyrene	ND		0.11	0.21
Butyl benzyl phthalate	ND		0.84	1.1
1,1'-Biphenyl	ND		0.84	1.1
Bis(2-chloroethoxy)methane	ND		0.34	1.1
Bis(2-chloroethyl)ether	ND		0.11	1.1
Bis(2-ethylhexyl) phthalate	ND		0.84	2.1
4-Bromophenyl phenyl ether	ND		0.84	2.1
Caprolactam	ND		0.84	5.3
Carbazole	ND		0.29	1.1
4-Chloroaniline	ND		0.84	2.1
4-Chloro-3-methylphenol	ND		0.84	2.1
2-Chloronaphthalene	ND		0.11	1.1
2-Chlorophenol	ND		0.31	1.1
4-Chlorophenyl phenyl ether	ND		0.32	2.1
Chrysene	ND		0.11	0.21
2-Methylnaphthalene	ND		0.11	0.21
3 & 4 Methylphenol	ND		0.79	2.1
Dibenz(a,h)anthracene	ND		0.11	0.21
Dibenzofuran	ND		0.11	1.1
3,3'-Dichlorobenzidine	ND		0.39	5.3
2,4-Dichlorophenol	ND		0.84	2.1
Diethyl phthalate	ND		0.63	1.1
2,4-Dimethylphenol	ND		0.84	2.1
Dimethyl phthalate	ND		0.31	1.1
4,6-Dinitro-2-methylphenol	ND		2.5	5.3
2,4-Dinitrophenol	ND		2.5	5.3
2,4-Dinitrotoluene	ND		0.28	5.3
Di-n-butyl phthalate	ND		0.71	1.1
Di-n-octyl phthalate	ND		0.84	1.1
Fluoranthene	ND		0.11	0.21
Fluorene	ND		0.11	0.21
Hexachlorobenzene	ND		0.11	0.21
Hexachlorobutadiene	ND		0.28	1.1
Hexachlorocyclopentadiene	ND		0.84	11
Hexachloroethane	ND		0.84	1.1
Indeno[1,2,3-cd]pyrene	ND		0.11	0.21

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46272	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-45551	Lab File ID:	20605026.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	06/05/2012 1800			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.28	1.1
2-Methylphenol	ND		0.84	1.1
Naphthalene	ND		0.11	0.21
2-Nitroaniline	ND		0.84	2.1
3-Nitroaniline	ND		0.29	2.1
4-Nitroaniline	ND		0.84	2.1
Nitrobenzene	ND		0.042	1.1
2-Nitrophenol	ND		0.29	2.1
4-Nitrophenol	ND		2.5	5.3
N-Nitrosodiphenylamine	ND		0.33	1.1
N-Nitrosodi-n-propylamine	ND		0.84	1.1
2,2'-oxybis[1-chloropropane]	ND		0.42	1.1
Pentachlorophenol	ND		2.5	5.3
Phenanthrene	ND		0.11	0.21
Phenol	ND		0.63	1.1
Pyrene	ND		0.11	0.21
2,4,5-Trichlorophenol	ND		0.32	5.3
2,4,6-Trichlorophenol	ND		0.84	5.3
2,6-Dinitrotoluene	ND		0.84	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		28 - 110
2-Fluorophenol (Surr)	67		10 - 110
2,4,6-Tribromophenol (Surr)	77		22 - 120
Nitrobenzene-d5 (Surr)	69		27 - 111
Phenol-d5 (Surr)	71		10 - 110
Terphenyl-d14 (Surr)	39		37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605021.D
Dilution:	1.0			Initial Weight/Volume:	29.96 g
Analysis Date:	06/05/2012 1357			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		31	380
2,2'-oxybis[1-chloropropane]		ND		11	380
2,4,5-Trichlorophenol		ND		29	380
2,4,6-Trichlorophenol		ND		92	380
2,4-Dichlorophenol		ND		23	380
2,4-Dimethylphenol		ND		23	380
2,4-Dinitrophenol		ND		92	1800
2,4-Dinitrotoluene		ND		31	380
2,6-Dinitrotoluene		ND		24	380
2-Chloronaphthalene		ND		3.8	380
2-Chlorophenol		ND		31	380
2-Methylnaphthalene		ND		3.8	380
2-Methylphenol		ND		92	380
2-Nitroaniline		ND		10	1800
2-Nitrophenol		ND		31	380
3,3'-Dichlorobenzidine		ND		21	1800
3-Nitroaniline		ND		18	1800
4,6-Dinitro-2-methylphenol		ND		92	1800
4-Bromophenyl phenyl ether		ND		15	380
4-Chloro-3-methylphenol		ND		24	380
4-Chloroaniline		ND		19	380
4-Chlorophenyl phenyl ether		ND		15	380
4-Nitroaniline		ND		30	1800
4-Nitrophenol		ND		92	1800
Acenaphthene		ND		3.8	380
Acenaphthylene		ND		3.8	380
Acetophenone		ND		11	380
Anthracene		ND		3.8	380
Atrazine		ND		10	380
Benzaldehyde		ND		14	380
Benzo[a]anthracene		ND		3.8	380
Benzo[a]pyrene		ND		3.8	380
Benzo[b]fluoranthene		ND		3.8	380
Benzo[g,h,i]perylene		ND		3.8	380
Benzo[k]fluoranthene		ND		3.8	380
Bis(2-chloroethoxy)methane		ND		25	380
Bis(2-chloroethyl)ether		ND		2.3	380
Bis(2-ethylhexyl) phthalate		32	J	22	380
Butyl benzyl phthalate		ND		11	380
Caprolactam		ND		42	380
Carbazole		ND		31	380
Chrysene		ND		1.3	380
Dibenz(a,h)anthracene		ND		3.8	380
Dibenzofuran		ND		3.8	380
Diethyl phthalate		ND		18	380
Dimethyl phthalate		ND		19	380

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Prep Method:	3540C	Prep Batch:	240-45972	Lab File ID:	0605021.D
Dilution:	1.0			Initial Weight/Volume:	29.96 g
Analysis Date:	06/05/2012 1357			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	380
Di-n-octyl phthalate		ND		31	380
Fluoranthene		ND		3.8	380
Fluorene		ND		3.8	380
Hexachlorobenzene		ND		2.4	380
Hexachlorobutadiene		ND		31	380
Hexachlorocyclopentadiene		ND		31	1800
Hexachloroethane		ND		10	380
Indeno[1,2,3-cd]pyrene		ND		3.8	380
Isophorone		ND		15	380
Naphthalene		ND		3.8	380
Nitrobenzene		ND		2.5	380
N-Nitrosodi-n-propylamine		ND		31	380
N-Nitrosodiphenylamine		ND		24	380
Pentachlorophenol		ND		92	380
Phenol		ND		31	380
Phenanthrene		ND		3.8	380
Pyrene		4.4	J	3.8	380
3 & 4 Methylphenol		ND		23	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	34		34 - 110
2-Fluorophenol (Surr)	42		26 - 110
2,4,6-Tribromophenol (Surr)	22		10 - 118
Nitrobenzene-d5 (Surr)	35		24 - 112
Phenol-d5 (Surr)	36		28 - 110
Terphenyl-d14 (Surr)	52		41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-45975	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2012 1424			Injection Volume:	1 mL
Prep Date:	06/01/2012 0850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		22	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		18	J	18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		29 - 151
DCB Decachlorobiphenyl	82		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-45975	Initial Weight/Volume:	29.95 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2012 1440			Injection Volume:	1 mL
Prep Date:	06/01/2012 0850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		22	35
Aroclor-1221		ND		17	35
Aroclor-1232		ND		15	35
Aroclor-1242		ND		14	35
Aroclor-1248		ND		18	35
Aroclor-1254		ND		18	35
Aroclor-1260		ND		18	35

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		29 - 151
DCB Decachlorobiphenyl	37		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-45975	Initial Weight/Volume:	29.96 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2012 1455			Injection Volume:	1 mL
Prep Date:	06/01/2012 0850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		21	40
Aroclor-1254		ND		21	40
Aroclor-1260		ND		21	40

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		29 - 151
DCB Decachlorobiphenyl	82		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-45802	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-45685	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/31/2012 0911			Injection Volume:	1 mL
Prep Date:	05/30/2012 1045			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.046	0.21
Aroclor-1221	ND		0.047	0.21
Aroclor-1232	ND		0.077	0.21
Aroclor-1242	ND		0.063	0.21
Aroclor-1248	ND		0.064	0.21
Aroclor-1254	ND		0.034	0.21
Aroclor-1260	0.063	J	0.040	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	35		35 - 137
DCB Decachlorobiphenyl	6	X	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-45975	Initial Weight/Volume:	30.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2012 1511			Injection Volume:	1 mL
Prep Date:	06/01/2012 0850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		19	38
Aroclor-1254		ND		19	38
Aroclor-1260		ND		19	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		29 - 151
DCB Decachlorobiphenyl	82		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60415.D
Dilution:	5.0			Initial Weight/Volume:	16.38 g
Analysis Date:	06/04/2012 1650			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		140		9.7	78

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60416.D
Dilution:	1.0			Initial Weight/Volume:	20.44 g
Analysis Date:	06/04/2012 1722			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		28		1.5	12

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60417.D
Dilution:	1.0			Initial Weight/Volume:	20.13 g
Analysis Date:	06/04/2012 1753			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.4	J	1.8	14

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-45954	Instrument ID:	A2HP6R
Prep Method:	3510C	Prep Batch:	240-45858	Lab File ID:	P6B60107.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	06/01/2012 1052			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1045			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.29	B *	0.017	0.10

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Prep Method:	WI DRO PREP	Prep Batch:	240-45889	Lab File ID:	P6B60418.D
Dilution:	1.0			Initial Weight/Volume:	15.19 g
Analysis Date:	06/04/2012 1824			Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		5.4	J	2.3	18

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950
Client Matrix: Solid % Moisture: 5.7 Date Received: 05/25/2012 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-46110	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0			Initial Weight/Volume:	0.93 g
Analysis Date:	06/01/2012 1822			Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		33	B	0.081	23
Cadmium		ND		0.041	0.23
Chromium		8.1		0.23	0.57
Silver		ND		0.11	0.57
Arsenic		1.8		0.34	1.1
Lead		6.2		0.22	0.34
Selenium		ND		0.51	0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-46348	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	06/05/2012 1352			Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1413				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.027	J	0.016	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050
Client Matrix: Solid % Moisture: 4.6 Date Received: 05/25/2012 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-46110	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0			Initial Weight/Volume:	0.94 g
Analysis Date:	06/01/2012 1839			Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		46	B	0.079	22
Cadmium		0.043	J	0.040	0.22
Chromium		10		0.22	0.56
Silver		ND		0.11	0.56
Arsenic		2.9		0.33	1.1
Lead		4.5		0.21	0.33
Selenium		ND		0.50	0.56

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-46348	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	06/05/2012 1357			Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1413				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.026	J	0.014	0.094

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330
Client Matrix: Solid % Moisture: 17.7 Date Received: 05/25/2012 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-46110	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	06/01/2012 1844			Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		45	B	0.082	23
Cadmium		ND		0.042	0.23
Chromium		11		0.23	0.58
Silver		ND		0.12	0.58
Arsenic		3.2		0.35	1.2
Lead		5.7		0.22	0.35
Selenium		ND		0.52	0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-46348	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	06/05/2012 1358			Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1424				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.029	J	0.019	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB212(20120524)**

Lab Sample ID: 240-11664-4 Date Sampled: 05/24/2012 1345
Client Matrix: Water Date Received: 05/25/2012 0920

6010B Metals (ICP)-Total Recoverable

Analysis Method:	6010B	Analysis Batch:	240-45974	Instrument ID:	I5
Prep Method:	3005A	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1943			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	530		0.67	200
Cadmium	ND		0.66	5.0
Chromium	5.3	J	2.2	10
Silver	ND		2.2	10
Arsenic	9.8	J	3.2	10
Lead	5.7		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-46407	Instrument ID:	H4
Prep Method:	7470A	Prep Batch:	240-46291	Lab File ID:	060512A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	06/05/2012 1735			Final Weight/Volume:	100 mL
Prep Date:	06/05/2012 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445
Client Matrix: Solid % Moisture: 12.7 Date Received: 05/25/2012 0920

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-46110	Instrument ID:	I5
Prep Method:	3050B	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	06/01/2012 1901			Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6700		10	22
Antimony		ND		0.42	1.1
Barium		81	B	0.077	22
Beryllium		0.32	J	0.046	0.54
Calcium		9500	B	17	540
Cadmium		ND		0.039	0.22
Cobalt		8.3		0.17	5.4
Chromium		32		0.22	0.54
Copper		14		0.80	2.7
Iron		15000		5.3	11
Potassium		760	B	6.7	540
Magnesium		3800	B	5.5	540
Manganese		800	B	0.080	1.6
Silver		ND		0.11	0.54
Sodium		ND		71	540
Nickel		16		0.29	4.3
Vanadium		19		0.13	5.4
Zinc		21		1.1	2.2
Arsenic		3.1		0.32	1.1
Lead		5.3		0.21	0.32
Selenium		0.54		0.49	0.54
Thallium		ND		0.59	1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-46348	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	06/05/2012 1400			Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1424				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.033	J	0.017	0.11

General Chemistry

Client Sample ID: **ASB213_0-2(20120524)**

Lab Sample ID: 240-11664-1 Date Sampled: 05/24/2012 0950

Client Matrix: Solid Date Received: 05/25/2012 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N
Percent Moisture	5.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB214_0-3(20120524)**

Lab Sample ID: 240-11664-2 Date Sampled: 05/24/2012 1050

Client Matrix: Solid Date Received: 05/25/2012 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N
Percent Moisture	4.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB212_5-7(20120524)**

Lab Sample ID: 240-11664-3 Date Sampled: 05/24/2012 1330

Client Matrix: Solid Date Received: 05/25/2012 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB215(5-6.5(20120524)**

Lab Sample ID: 240-11664-5 Date Sampled: 05/24/2012 1445

Client Matrix: Solid Date Received: 05/25/2012 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-45586	Analysis Date: 05/29/2012 1520						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-45549					
LCS 240-45549/2-A	Lab Control Sample	T	Solid	5035	
MB 240-45549/1-A	Method Blank	T	Solid	5035	
240-11664-1	ASB213_0-2(20120524)	T	Solid	5035	
240-11664-2	ASB214_0-3(20120524)	T	Solid	5035	
240-11664-3	ASB212_5-7(20120524)	T	Solid	5035	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	5035	
240-11664-6TB	TB-001(20120525)	T	Solid	5035	
240-11664-7TB	MEOH-001(20120525)	T	Solid	5035	
Analysis Batch:240-46002					
LCS 240-46002/4	Lab Control Sample	T	Water	8260B	
MB 240-46002/5	Method Blank	T	Water	8260B	
240-11664-4	ASB212(20120524)	T	Water	8260B	
Analysis Batch:240-46058					
LCS 240-45549/2-A	Lab Control Sample	T	Solid	8260B	240-45549
MB 240-45549/1-A	Method Blank	T	Solid	8260B	240-45549
240-11664-1	ASB213_0-2(20120524)	T	Solid	8260B	240-45549
240-11664-2	ASB214_0-3(20120524)	T	Solid	8260B	240-45549
240-11664-3	ASB212_5-7(20120524)	T	Solid	8260B	240-45549
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	8260B	240-45549
240-11664-6TB	TB-001(20120525)	T	Solid	8260B	240-45549
240-11664-7TB	MEOH-001(20120525)	T	Solid	8260B	240-45549

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-45551					
LCS 240-45551/13-A	Lab Control Sample	T	Water	3520C	
MB 240-45551/12-A	Method Blank	T	Water	3520C	
240-11641-J-1-A MS	Matrix Spike	T	Water	3520C	
240-11641-M-1-A MSD	Matrix Spike Duplicate	T	Water	3520C	
240-11664-4	ASB212(20120524)	T	Water	3520C	
Analysis Batch:240-45860					
LCS 240-45551/13-A	Lab Control Sample	T	Water	8270C	240-45551
MB 240-45551/12-A	Method Blank	T	Water	8270C	240-45551
240-11641-J-1-A MS	Matrix Spike	T	Water	8270C	240-45551
240-11641-M-1-A MSD	Matrix Spike Duplicate	T	Water	8270C	240-45551
Prep Batch: 240-45972					
LCS 240-45972/14-A	Lab Control Sample	T	Solid	3540C	
MB 240-45972/13-A	Method Blank	T	Solid	3540C	
240-11664-1	ASB213_0-2(20120524)	T	Solid	3540C	
240-11664-2	ASB214_0-3(20120524)	T	Solid	3540C	
240-11664-3	ASB212_5-7(20120524)	T	Solid	3540C	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	3540C	
240-11672-E-2-E MS	Matrix Spike	T	Solid	3540C	
240-11672-E-2-F MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-46239					
MB 240-45972/13-A	Method Blank	T	Solid	8270C	240-45972
240-11664-1	ASB213_0-2(20120524)	T	Solid	8270C	240-45972
240-11664-2	ASB214_0-3(20120524)	T	Solid	8270C	240-45972
240-11664-3	ASB212_5-7(20120524)	T	Solid	8270C	240-45972
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	8270C	240-45972
240-11672-E-2-E MS	Matrix Spike	T	Solid	8270C	240-45972
240-11672-E-2-F MSD	Matrix Spike Duplicate	T	Solid	8270C	240-45972
Analysis Batch:240-46272					
240-11664-4	ASB212(20120524)	T	Water	8270C	240-45551
Analysis Batch:240-46409					
LCS 240-45972/14-A	Lab Control Sample	T	Solid	8270C	240-45972

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-45685					
LCS 240-45685/9-A	Lab Control Sample	T	Water	3510C	
MB 240-45685/8-A	Method Blank	T	Water	3510C	
240-11664-4	ASB212(20120524)	T	Water	3510C	
Analysis Batch:240-45756					
LCS 240-45685/9-A	Lab Control Sample	T	Water	8082	240-45685
MB 240-45685/8-A	Method Blank	T	Water	8082	240-45685
Analysis Batch:240-45802					
240-11664-4	ASB212(20120524)	T	Water	8082	240-45685
Prep Batch: 240-45858					
LCS 240-45858/3-A	Lab Control Sample	T	Water	3510C	
LCSD 240-45858/4-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-45858/2-A	Method Blank	T	Water	3510C	
240-11664-4	ASB212(20120524)	T	Water	3510C	
Prep Batch: 240-45889					
LCS 240-45889/14-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-45889/15-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-45889/13-A	Method Blank	T	Solid	WI DRO PREP	
240-11664-1	ASB213_0-2(20120524)	T	Solid	WI DRO PREP	
240-11664-2	ASB214_0-3(20120524)	T	Solid	WI DRO PREP	
240-11664-3	ASB212_5-7(20120524)	T	Solid	WI DRO PREP	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	WI DRO PREP	
Analysis Batch:240-45954					
LCS 240-45858/3-A	Lab Control Sample	T	Water	WI-DRO	240-45858
LCSD 240-45858/4-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-45858
MB 240-45858/2-A	Method Blank	T	Water	WI-DRO	240-45858
240-11664-4	ASB212(20120524)	T	Water	WI-DRO	240-45858
Prep Batch: 240-45975					
LCS 240-45975/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-45975/23-A	Method Blank	T	Solid	3540C	
240-11664-1	ASB213_0-2(20120524)	T	Solid	3540C	
240-11664-2	ASB214_0-3(20120524)	T	Solid	3540C	
240-11664-3	ASB212_5-7(20120524)	T	Solid	3540C	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	3540C	
240-11794-A-139-B MS	Matrix Spike	T	Solid	3540C	
240-11794-A-139-C MSD	Matrix Spike Duplicate	T	Solid	3540C	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-46094					
LCS 240-45975/24-A	Lab Control Sample	T	Solid	8082	240-45975
MB 240-45975/23-A	Method Blank	T	Solid	8082	240-45975
240-11664-1	ASB213_0-2(20120524)	T	Solid	8082	240-45975
240-11664-2	ASB214_0-3(20120524)	T	Solid	8082	240-45975
240-11664-3	ASB212_5-7(20120524)	T	Solid	8082	240-45975
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	8082	240-45975
240-11794-A-139-B MS	Matrix Spike	T	Solid	8082	240-45975
240-11794-A-139-C MSD	Matrix Spike Duplicate	T	Solid	8082	240-45975
Analysis Batch:240-46146					
LCSD 240-45889/15-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-45889
MB 240-45889/13-A	Method Blank	T	Solid	WI-DRO	240-45889
240-11664-1	ASB213_0-2(20120524)	T	Solid	WI-DRO	240-45889
240-11664-2	ASB214_0-3(20120524)	T	Solid	WI-DRO	240-45889
240-11664-3	ASB212_5-7(20120524)	T	Solid	WI-DRO	240-45889
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	WI-DRO	240-45889
Analysis Batch:240-46253					
LCS 240-45889/14-A	Lab Control Sample	T	Solid	WI-DRO	240-45889

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-45605					
LCS 240-45605/2-A	Lab Control Sample	R	Water	3005A	
MB 240-45605/1-A	Method Blank	R	Water	3005A	
240-11623-J-2-B MS	Matrix Spike	R	Water	3005A	
240-11623-J-2-C MSD	Matrix Spike Duplicate	R	Water	3005A	
240-11664-4	ASB212(20120524)	R	Water	3005A	
Prep Batch: 240-45737					
LCS 240-45737/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-45737/1-A	Method Blank	T	Solid	7471A	
240-11664-1	ASB213_0-2(20120524)	T	Solid	7471A	
240-11664-1MS	Matrix Spike	T	Solid	7471A	
240-11664-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-11664-2	ASB214_0-3(20120524)	T	Solid	7471A	
240-11664-3	ASB212_5-7(20120524)	T	Solid	7471A	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	7471A	
Prep Batch: 240-45760					
LCS 240-45760/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-45760/1-A	Method Blank	T	Solid	3050B	
240-11664-1	ASB213_0-2(20120524)	T	Solid	3050B	
240-11664-1MS	Matrix Spike	T	Solid	3050B	
240-11664-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-11664-2	ASB214_0-3(20120524)	T	Solid	3050B	
240-11664-3	ASB212_5-7(20120524)	T	Solid	3050B	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	3050B	
Analysis Batch:240-45974					
LCS 240-45605/2-A	Lab Control Sample	R	Water	6010B	240-45605
MB 240-45605/1-A	Method Blank	R	Water	6010B	240-45605
240-11623-J-2-B MS	Matrix Spike	R	Water	6010B	240-45605
240-11623-J-2-C MSD	Matrix Spike Duplicate	R	Water	6010B	240-45605
240-11664-4	ASB212(20120524)	R	Water	6010B	240-45605
Analysis Batch:240-46110					
LCS 240-45760/2-A	Lab Control Sample	T	Solid	6010B	240-45760
MB 240-45760/1-A	Method Blank	T	Solid	6010B	240-45760
240-11664-1	ASB213_0-2(20120524)	T	Solid	6010B	240-45760
240-11664-1MS	Matrix Spike	T	Solid	6010B	240-45760
240-11664-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-45760
240-11664-2	ASB214_0-3(20120524)	T	Solid	6010B	240-45760
240-11664-3	ASB212_5-7(20120524)	T	Solid	6010B	240-45760
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	6010B	240-45760

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-46291					
LCS 240-46291/2-A	Lab Control Sample	T	Water	7470A	
MB 240-46278/1-D	Method Blank	T	Water	7470A	
240-11664-D-4-C MSMS	Matrix Spike	T	Water	7470A	
240-11664-4	ASB212(20120524)	T	Water	7470A	
240-11664-4MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:240-46348					
LCS 240-45737/2-A	Lab Control Sample	T	Solid	7471A	240-45737
MB 240-45737/1-A	Method Blank	T	Solid	7471A	240-45737
240-11664-1	ASB213_0-2(20120524)	T	Solid	7471A	240-45737
240-11664-1MS	Matrix Spike	T	Solid	7471A	240-45737
240-11664-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-45737
240-11664-2	ASB214_0-3(20120524)	T	Solid	7471A	240-45737
240-11664-3	ASB212_5-7(20120524)	T	Solid	7471A	240-45737
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	7471A	240-45737
Analysis Batch:240-46407					
LCS 240-46291/2-A	Lab Control Sample	T	Water	7470A	240-46291
MB 240-46278/1-D	Method Blank	T	Water	7470A	240-46291
240-11664-D-4-C MSMS	Matrix Spike	T	Water	7470A	240-46291
240-11664-4	ASB212(20120524)	T	Water	7470A	240-46291
240-11664-4MSD	Matrix Spike Duplicate	T	Water	7470A	240-46291

Report Basis
R = Total Recoverable
T = Total

General Chemistry

Analysis Batch:240-45586					
240-11664-1	ASB213_0-2(20120524)	T	Solid	Moisture	
240-11664-2	ASB214_0-3(20120524)	T	Solid	Moisture	
240-11664-3	ASB212_5-7(20120524)	T	Solid	Moisture	
240-11664-5	ASB215(5-6.5(20120524)	T	Solid	Moisture	
240-11664-5DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-11664-1	ASB213_0-2(20120524)	101	104	92	101
240-11664-2	ASB214_0-3(20120524)	102	101	78	98
240-11664-3	ASB212_5-7(20120524)	84	87	77	85
240-11664-5	ASB215(5-6.5(20120524)	93	92	82	88
240-11664-6	TB-001(20120525)	98	96	85	93
240-11664-7	MEOH-001(20120525)	99	97	84	93

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 240-45549/1-A		107	102	94	95
LCS 240-45549/2-A		104	100	92	97
MRL 240-46058/5		87	94	92	90

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-11664-4	ASB212(20120524)	110	83	85	96
MB 240-46002/5		121	90	95	101
LCS 240-46002/4		119	103	103	103

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-11664-1	ASB213_0-2(20120524)	47	58	18	49	51	55
240-11664-2	ASB214_0-3(20120524)	41	51	17	42	46	51
240-11664-3	ASB212_5-7(20120524)	36	43	17	35	36	51
240-11664-5	ASB215(5-6.5(20120524)	34	42	22	35	36	52
MB 240-45972/13-A		40	56	23	46	52	56
LCS 240-45972/14-A		74	97	61	73	95	95
240-11672-E-2-E MS		42	50	19	43	51	54
240-11672-E-2-F MSD		48	61	15	54	59	57

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	34-110
2FP = 2-Fluorophenol (Surr)	26-110
TBP = 2,4,6-Tribromophenol (Surr)	10-118
NBZ = Nitrobenzene-d5 (Surr)	24-112
PHL = Phenol-d5 (Surr)	28-110
TPH = Terphenyl-d14 (Surr)	41-119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-11664-4	ASB212(20120524)	66	67	77	69	71	39
MB 240-45551/12-A		70	72	76	75	73	92
LCS 240-45551/13-A		62	61	74	65	62	85
240-11641-J-1-A MS		65	65	75	65	68	75
240-11641-M-1-A MSD		65	65	75	65	70	78

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	28-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	27-111
PHL = Phenol-d5 (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	37-119

Client: ARCADIS U.S., Inc.

Job Number: 240-11664-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-11664-1	ASB213_0-2(20120524)	74	82
240-11664-2	ASB214_0-3(20120524)	69	37
240-11664-3	ASB212_5-7(20120524)	74	82
240-11664-5	ASB215(5-6.5(20120524)	78	82
MB 240-45975/23-A		88	92
LCS 240-45975/24-A		73	87
240-11794-A-139-B MS		73	86
240-11794-A-139-C MSD		71	82

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: ARCADIS U.S., Inc.

Job Number: 240-11664-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-11664-4	ASB212(20120524)	35	6X
MB 240-45685/8-A		79	77
LCS 240-45685/9-A		79	83

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-45549/1-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Bromodichloromethane	ND		9.9	250
Cyclohexane	ND		40	500
Dibromomethane	ND		14	250
Dichlorodifluoromethane	18.9	J	16	250
1,2-Dibromoethane	ND		10	250
Dichlorofluoromethane	ND		25	500

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-45549/1-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
2-Butanone (MEK)	ND		43	1000
4-Methyl-2-pentanone (MIBK)	ND		48	1000
m-Xylene & p-Xylene	ND		6.2	500
Methyl tert butyl ether	ND		7.1	1000
Naphthalene	ND		6.7	250
Methylene Chloride	ND		77	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Methylcyclohexane	ND		12	500
Trichlorofluoromethane	ND		16	250
Chlorodibromomethane	ND		12	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	39 - 128
4-Bromofluorobenzene (Surr)	102	26 - 141
Toluene-d8 (Surr)	94	33 - 134
Dibromofluoromethane (Surr)	95	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-45549

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-45549/2-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88993.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	347	69	27 - 121	
1,1,1-Trichloroethane	500	446	89	38 - 122	
1,1,2,2-Tetrachloroethane	500	485	97	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	520	104	48 - 151	
1,1,2-Trichloroethane	500	530	106	74 - 114	
1,1-Dichloroethane	500	545	109	63 - 117	
1,1-Dichloroethene	500	520	104	44 - 143	
1,1-Dichloropropene	500	535	107	60 - 123	
1,2,3-Trichlorobenzene	500	437	87	43 - 129	
1,2,3-Trichloropropane	500	540	108	74 - 124	
1,2,4-Trichlorobenzene	500	421	84	41 - 135	
1,2,4-Trimethylbenzene	500	510	102	62 - 133	
1,2-Dibromo-3-Chloropropane	500	271	54	10 - 129	J
1,2-Dichlorobenzene	500	484	97	68 - 118	
1,2-Dichloroethane	500	540	108	68 - 119	
1,2-Dichloropropane	500	545	109	73 - 113	
1,3,5-Trimethylbenzene	500	493	99	60 - 130	
1,3-Dichlorobenzene	500	490	98	66 - 121	
1,3-Dichloropropane	500	505	101	74 - 119	
1,4-Dichlorobenzene	500	471	94	65 - 119	
2,2-Dichloropropane	500	373	75	25 - 123	
2-Chlorotoluene	500	497	99	68 - 122	
2-Hexanone	1000	990	99	43 - 130	J
4-Chlorotoluene	500	505	101	68 - 122	
Acetone	1000	1040	104	16 - 156	
Benzene	500	520	104	70 - 117	
Bromobenzene	500	525	105	72 - 120	
Bromochloromethane	500	505	101	56 - 128	
Bromoform	500	333	67	10 - 117	
Bromomethane	500	238	48	10 - 114	J
Carbon disulfide	500	367	73	10 - 132	
Carbon tetrachloride	500	332	66	29 - 118	
Chlorobenzene	500	500	100	71 - 116	
Chloroethane	500	349	70	10 - 120	
Chloroform	500	510	102	63 - 116	
Chloromethane	500	510	102	25 - 110	
cis-1,2-Dichloroethene	500	510	102	60 - 125	
cis-1,3-Dichloropropene	500	355	71	25 - 120	
Bromodichloromethane	500	407	81	28 - 123	
Cyclohexane	500	495	99	40 - 120	J
Dibromomethane	500	540	108	68 - 118	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-45549 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	LCS 240-45549/2-A	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-45549	Lab File ID:	UX88993.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	06/02/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/29/2012 1131				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	500	408	82	10 - 110	
1,2-Dibromoethane	500	435	87	47 - 123	
Ethyl ether	500	590	118	70 - 130	
Ethylbenzene	500	520	104	66 - 119	
Hexachlorobutadiene	500	430	86	34 - 135	
Isopropylbenzene	500	494	99	61 - 123	
Methyl acetate	500	680	136	44 - 173	
2-Butanone (MEK)	1000	1040	104	10 - 199	
4-Methyl-2-pentanone (MIBK)	1000	1050	105	49 - 121	
m-Xylene & p-Xylene	1000	1000	100	67 - 118	
Methyl tert butyl ether	500	540	108	34 - 157	J
Naphthalene	500	419	84	37 - 126	
Methylene Chloride	500	505	101	27 - 172	
n-Butylbenzene	500	491	98	51 - 137	
N-Propylbenzene	500	515	103	64 - 130	
o-Xylene	500	515	103	68 - 120	
p-Isopropyltoluene	500	510	102	56 - 136	
sec-Butylbenzene	500	481	96	58 - 131	
Styrene	500	500	100	60 - 120	
tert-Butylbenzene	500	460	92	58 - 128	
Tetrachloroethene	500	494	99	58 - 131	
Tetrahydrofuran	500	478	96	70 - 130	J
Toluene	500	492	98	66 - 123	
trans-1,2-Dichloroethene	500	505	101	58 - 121	
trans-1,3-Dichloropropene	500	366	73	22 - 122	
Trichloroethene	500	498	100	59 - 124	
Methylcyclohexane	500	486	97	41 - 133	J
Trichlorofluoromethane	500	515	103	17 - 145	
Chlorodibromomethane	500	327	65	22 - 113	
Vinyl chloride	500	605	121	33 - 110	*

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	39 - 128
4-Bromofluorobenzene (Surr)	100	26 - 141
Toluene-d8 (Surr)	92	33 - 134
Dibromofluoromethane (Surr)	97	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-46002/5	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6564.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1225	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1225				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	0.355	J	0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	0.209	J	0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Allyl chloride	ND		0.35	2.0
4-Chlorotoluene	ND		0.18	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Bromodichloromethane	ND		0.15	1.0
Cyclohexane	ND		0.12	1.0
Dibromomethane	ND		0.28	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,2-Dibromoethane	ND		0.24	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-46002/5	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6564.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1225	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1225				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
Hexachlorobutadiene	0.501	J	0.30	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
m-Xylene & p-Xylene	ND		0.24	2.0
Methyl tert butyl ether	ND		0.17	5.0
Naphthalene	ND		0.24	1.0
Methylene Chloride	ND		0.33	1.0
n-Butylbenzene	ND		0.12	1.0
N-Propylbenzene	ND		0.14	1.0
o-Xylene	ND		0.14	1.0
p-Isopropyltoluene	ND		0.12	1.0
sec-Butylbenzene	ND		0.13	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Trichlorofluoromethane	ND		0.21	1.0
Chlorodibromomethane	ND		0.18	1.0
Vinyl chloride	ND		0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	63 - 129
4-Bromofluorobenzene (Surr)	90	66 - 117
Toluene-d8 (Surr)	95	74 - 115
Dibromofluoromethane (Surr)	101	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-46002/4	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6563.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1202				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	11.4	114	72 - 116	
1,1,1-Trichloroethane	10.0	10.4	104	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.26	93	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.3	123	74 - 151	
1,1,2-Trichloroethane	10.0	11.3	113	80 - 112	*
1,1-Dichloroethane	10.0	10.2	102	82 - 115	
1,1-Dichloroethene	10.0	9.87	99	78 - 131	
1,1-Dichloropropene	10.0	10.6	106	83 - 114	
1,2,3-Trichlorobenzene	10.0	9.78	98	54 - 126	
1,2,3-Trichloropropane	10.0	10.6	106	73 - 129	
1,2,4-Trichlorobenzene	10.0	8.94	89	48 - 135	
1,2,4-Trimethylbenzene	10.0	8.96	90	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	11.2	112	42 - 136	
1,2-Dichlorobenzene	10.0	9.47	95	81 - 110	
1,2-Dichloroethane	10.0	12.3	123	71 - 127	
1,2-Dichloropropane	10.0	10.7	107	81 - 115	
1,3,5-Trimethylbenzene	10.0	9.03	90	72 - 118	
1,3-Dichlorobenzene	10.0	9.50	95	80 - 110	
1,3-Dichloropropane	10.0	10.2	102	79 - 116	
1,4-Dichlorobenzene	10.0	9.49	95	82 - 110	
2,2-Dichloropropane	10.0	11.1	111	50 - 129	
2-Chlorotoluene	10.0	9.13	91	76 - 116	
2-Hexanone	20.0	24.2	121	55 - 133	
4-Chlorotoluene	10.0	9.57	96	77 - 115	
Acetone	20.0	22.4	112	43 - 136	
Benzene	10.0	10.0	100	83 - 112	
Bromobenzene	10.0	9.65	97	76 - 115	
Bromochloromethane	10.0	10.3	103	77 - 120	
Bromoform	10.0	10.8	108	40 - 131	
Bromomethane	10.0	5.54	55	11 - 185	
Carbon disulfide	10.0	7.79	78	62 - 142	
Carbon tetrachloride	10.0	10.2	102	66 - 128	
Chlorobenzene	10.0	10.1	101	85 - 110	
Chloroethane	10.0	5.27	53	25 - 153	
Chloroform	10.0	10.0	100	79 - 117	
Chloromethane	10.0	8.76	88	44 - 126	
cis-1,2-Dichloroethene	10.0	9.33	93	80 - 113	
cis-1,3-Dichloropropene	10.0	9.28	93	61 - 115	
Bromodichloromethane	10.0	11.2	112	72 - 121	
Cyclohexane	10.0	10.1	101	54 - 121	
Dibromomethane	10.0	11.9	119	81 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-46002

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-46002/4	Analysis Batch:	240-46002	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6563.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/01/2012 1202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	06/01/2012 1202				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.02	90	19 - 129	
1,2-Dibromoethane	10.0	11.4	114	79 - 113	*
Ethyl ether	10.0	11.2	112	53 - 135	
Ethylbenzene	10.0	10.2	102	83 - 112	
Hexachlorobutadiene	10.0	9.39	94	36 - 134	
Isopropylbenzene	10.0	9.89	99	75 - 114	
Methyl acetate	10.0	12.8	128	58 - 131	
2-Butanone (MEK)	20.0	23.1	116	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	23.5	118	63 - 128	
m-Xylene & p-Xylene	20.0	20.3	102	83 - 113	
Methyl tert butyl ether	10.0	9.68	97	52 - 144	
Naphthalene	10.0	9.27	93	32 - 141	
Methylene Chloride	10.0	8.81	88	66 - 131	
n-Butylbenzene	10.0	8.80	88	66 - 125	
N-Propylbenzene	10.0	9.61	96	74 - 121	
o-Xylene	10.0	9.99	100	83 - 113	
p-Isopropyltoluene	10.0	9.41	94	74 - 120	
sec-Butylbenzene	10.0	8.63	86	70 - 117	
Styrene	10.0	10.6	106	79 - 114	
tert-Butylbenzene	10.0	9.24	92	71 - 115	
Tetrachloroethene	10.0	11.2	112	79 - 114	
Tetrahydrofuran	10.0	11.3	113	23 - 143	
Toluene	10.0	10.2	102	84 - 111	
trans-1,2-Dichloroethene	10.0	9.27	93	83 - 117	
trans-1,3-Dichloropropene	10.0	10.2	102	58 - 117	
Trichloroethene	10.0	11.4	114	76 - 117	
Methylcyclohexane	10.0	9.50	95	56 - 127	
Trichlorofluoromethane	10.0	10.6	106	49 - 157	
Chlorodibromomethane	10.0	10.4	104	64 - 119	
Vinyl chloride	10.0	7.87	79	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	63 - 129
4-Bromofluorobenzene (Surr)	103	66 - 117
Toluene-d8 (Surr)	103	74 - 115
Dibromofluoromethane (Surr)	103	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Reporting Limit Check - Batch: 240-46058 **Method: 8260B**
Preparation: N/A

Lab Sample ID:	MRL 240-46058/5	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88980.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/01/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.39	88		
1,1,1-Trichloroethane	5.00	4.94	99		
1,1,2,2-Tetrachloroethane	5.00	4.63	93		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	5.47	109		
1,1,2-Trichloroethane	5.00	4.64	93		
1,1-Dichloroethane	5.00	4.84	97		
1,1-Dichloroethene	5.00	4.92	98		
1,1-Dichloropropene	5.00	5.04	101		
1,2,3-Trichlorobenzene	5.00	4.36	87		
1,2,3-Trichloropropane	5.00	4.71	94		
1,2,4-Trichlorobenzene	5.00	4.40	88		
1,2,4-Trimethylbenzene	5.00	4.79	96		
1,2-Dibromo-3-Chloropropane	5.00	4.61	92		
1,2-Dichlorobenzene	5.00	4.75	95		
1,2-Dichloroethane	5.00	4.92	98		
1,2-Dichloropropane	5.00	5.09	102		
1,3,5-Trimethylbenzene	5.00	4.70	94		
1,3-Dichlorobenzene	5.00	4.74	95		
1,3-Dichloropropane	5.00	4.93	99		
1,4-Dichlorobenzene	5.00	4.78	96		
2,2-Dichloropropane	5.00	5.09	102		
2-Chlorotoluene	5.00	4.65	93		
2-Hexanone	10.0	8.85	89		J
4-Chlorotoluene	5.00	4.72	94		
Acetone	10.0	8.23	82		J
Benzene	5.00	4.62	92		
Bromobenzene	5.00	4.63	93		
Bromochloromethane	5.00	4.84	97		
Bromoform	5.00	4.59	92		
Bromomethane	5.00	5.93	119		
Carbon disulfide	5.00	4.76	95		
Carbon tetrachloride	5.00	4.90	98		
Chlorobenzene	5.00	4.83	97		
Chloroethane	5.00	5.95	119		
Chloroform	5.00	4.80	96		
Chloromethane	5.00	5.22	104		
cis-1,2-Dichloroethene	5.00	4.79	96		
cis-1,3-Dichloropropene	5.00	4.32	86		
Bromodichloromethane	5.00	4.58	92		
Cyclohexane	5.00	5.13	103		
Dibromomethane	5.00	4.74	95		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Reporting Limit Check - Batch: 240-46058 **Method: 8260B**
Preparation: N/A

Lab Sample ID:	MRL 240-46058/5	Analysis Batch:	240-46058	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88980.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/01/2012 2354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	5.00	5.17	103		
1,2-Dibromoethane	5.00	4.55	91		
Ethylbenzene	5.00	4.98	100		
Hexachlorobutadiene	5.00	4.71	94		
Isopropylbenzene	5.00	4.77	95		
Methyl acetate	10.0	9.03	90		J
2-Butanone (MEK)	10.0	8.97	90		J
4-Methyl-2-pentanone (MIBK)	10.0	8.77	88		J
m-Xylene & p-Xylene	10.0	9.90	99		
Methyl tert butyl ether	5.00	4.66	93		J
Naphthalene	5.00	4.00	80		
Methylene Chloride	5.00	3.05	61		
n-Butylbenzene	5.00	4.94	99		
N-Propylbenzene	5.00	5.07	101		
o-Xylene	5.00	4.81	96		
p-Isopropyltoluene	5.00	4.73	95		
sec-Butylbenzene	5.00	4.80	96		
Styrene	5.00	4.67	93		
tert-Butylbenzene	5.00	5.15	103		
Tetrachloroethene	5.00	5.21	104		
Tetrahydrofuran	5.00	4.54	91		
Toluene	5.00	4.80	96		
trans-1,2-Dichloroethene	5.00	5.15	103		
trans-1,3-Dichloropropene	5.00	4.71	94		
Trichloroethene	5.00	4.77	95		
Methylcyclohexane	5.00	5.21	104		
Trichlorofluoromethane	5.00	5.38	108		
Chlorodibromomethane	5.00	4.50	90		
Vinyl chloride	5.00	5.84	117		

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	39 - 128
4-Bromofluorobenzene (Surr)	94	26 - 141
Toluene-d8 (Surr)	92	33 - 134
Dibromofluoromethane (Surr)	90	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45551

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-45551/12-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1316	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		0.80	1.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
2-Methylnaphthalene	ND		0.10	0.20
4-Chloro-3-methylphenol	ND		0.80	2.0
4-Chloroaniline	ND		0.80	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
2,4-Dimethylphenol	ND		0.80	2.0
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
Atrazine	ND		0.34	1.0
2,4-Dinitrophenol	ND		2.4	5.0
Benzaldehyde	ND		0.39	1.0
2,4-Dinitrotoluene	ND		0.27	5.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.80	2.0
Butyl benzyl phthalate	ND		0.80	1.0
Caprolactam	1.39	J	0.80	5.0
Carbazole	ND		0.28	1.0
2-Methylphenol	ND		0.80	1.0
Chrysene	ND		0.10	0.20
Dibenz(a,h)anthracene	ND		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
Dibenzofuran	ND		0.10	1.0
3-Nitroaniline	ND		0.28	2.0
Diethyl phthalate	ND		0.60	1.0
4-Nitroaniline	ND		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
Di-n-butyl phthalate	ND		0.67	1.0
2-Nitrophenol	ND		0.28	2.0
Di-n-octyl phthalate	ND		0.80	1.0
4-Nitrophenol	ND		2.4	5.0
Fluoranthene	ND		0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45551

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 240-45551/12-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1316	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20
Isophorone	ND		0.27	1.0
2,4,5-Trichlorophenol	ND		0.30	5.0
Naphthalene	ND		0.10	0.20
2,4,6-Trichlorophenol	ND		0.80	5.0
Nitrobenzene	ND		0.040	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Pentachlorophenol	ND		2.4	5.0
Phenol	ND		0.60	1.0
Phenanthrene	ND		0.10	0.20
Pyrene	ND		0.10	0.20
2,6-Dinitrotoluene	ND		0.80	5.0
3 & 4 Methylphenol	ND		0.75	2.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	70	28 - 110
2-Fluorophenol (Surr)	72	10 - 110
2,4,6-Tribromophenol (Surr)	76	22 - 120
Nitrobenzene-d5 (Surr)	75	27 - 111
Phenol-d5 (Surr)	73	10 - 110
Terphenyl-d14 (Surr)	92	37 - 119

Lab Control Sample - Batch: 240-45551

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-45551/13-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1335	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	20.0	12.6	63	50 - 130	
2-Chloronaphthalene	20.0	12.9	64	39 - 110	
2-Chlorophenol	20.0	12.3	62	27 - 110	
4-Bromophenyl phenyl ether	20.0	15.0	75	51 - 114	
2-Methylnaphthalene	20.0	12.2	61	35 - 110	
4-Chloro-3-methylphenol	20.0	14.2	71	39 - 110	
4-Chloroaniline	20.0	12.1	61	10 - 110	
4-Chlorophenyl phenyl ether	20.0	14.4	72	50 - 115	
3,3'-Dichlorobenzidine	20.0	8.16	41	19 - 110	
2,4-Dichlorophenol	20.0	13.8	69	33 - 110	
Acenaphthene	20.0	13.2	66	40 - 110	
Acenaphthylene	20.0	13.2	66	43 - 110	
2,4-Dimethylphenol	20.0	11.0	55	12 - 110	
Acetophenone	20.0	12.8	64	50 - 130	
Anthracene	20.0	14.6	73	54 - 114	
4,6-Dinitro-2-methylphenol	20.0	14.9	75	28 - 112	
Atrazine	20.0	19.4	97	50 - 130	
2,4-Dinitrophenol	20.0	13.5	68	17 - 112	
Benzaldehyde	20.0	13.0	65	10 - 130	
2,4-Dinitrotoluene	20.0	16.6	83	52 - 123	
Benzo[a]anthracene	20.0	15.1	75	55 - 115	
Benzo[a]pyrene	20.0	13.9	70	43 - 116	
Benzo[b]fluoranthene	20.0	15.6	78	43 - 122	
Benzo[g,h,i]perylene	20.0	16.4	82	45 - 120	
Benzo[k]fluoranthene	20.0	15.6	78	43 - 124	
Bis(2-chloroethoxy)methane	20.0	12.8	64	39 - 110	
Bis(2-chloroethyl)ether	20.0	13.5	68	34 - 113	
Bis(2-ethylhexyl) phthalate	20.0	16.6	83	36 - 163	
Butyl benzyl phthalate	20.0	16.4	82	53 - 126	
Caprolactam	20.0	14.7	73	50 - 130	
Carbazole	20.0	15.3	77	53 - 120	
2-Methylphenol	20.0	11.4	57	30 - 110	
Chrysene	20.0	15.4	77	55 - 115	
Dibenz(a,h)anthracene	20.0	16.6	83	46 - 122	
2-Nitroaniline	20.0	15.2	76	43 - 130	
Dibenzofuran	20.0	13.5	67	46 - 111	
3-Nitroaniline	20.0	15.0	75	45 - 116	
Diethyl phthalate	20.0	15.7	78	33 - 134	
4-Nitroaniline	20.0	16.3	81	45 - 120	
Dimethyl phthalate	20.0	15.1	76	15 - 143	
Di-n-butyl phthalate	20.0	16.0	80	55 - 122	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-45551

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-45551/13-A	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1335	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	20.0	12.5	63	29 - 110	
Di-n-octyl phthalate	20.0	16.2	81	44 - 128	
4-Nitrophenol	20.0	16.3	81	12 - 130	
Fluoranthene	20.0	14.9	75	54 - 122	
Fluorene	20.0	14.1	70	47 - 112	
Hexachlorobenzene	20.0	14.9	74	51 - 112	
2,2'-oxybis[1-chloropropane]	20.0	12.5	62	25 - 128	
Hexachlorobutadiene	20.0	11.8	59	13 - 110	
Hexachlorocyclopentadiene	20.0	7.94	40	10 - 110	J
Hexachloroethane	20.0	11.5	57	12 - 110	
Indeno[1,2,3-cd]pyrene	20.0	16.5	83	46 - 121	
Isophorone	20.0	13.3	67	44 - 128	
2,4,5-Trichlorophenol	20.0	13.7	69	39 - 110	
Naphthalene	20.0	12.0	60	31 - 110	
2,4,6-Trichlorophenol	20.0	14.0	70	35 - 110	
Nitrobenzene	20.0	13.3	67	37 - 115	
N-Nitrosodi-n-propylamine	20.0	13.3	67	37 - 121	
N-Nitrosodiphenylamine	20.0	14.6	73	53 - 113	
Pentachlorophenol	20.0	15.4	77	26 - 110	
Phenol	20.0	13.1	66	14 - 112	
Phenanthrene	20.0	14.8	74	52 - 114	
Pyrene	20.0	15.1	76	55 - 120	
2,6-Dinitrotoluene	20.0	16.4	82	52 - 119	
3 & 4 Methylphenol	40.0	27.2	68	32 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	62	28 - 110
2-Fluorophenol (Surr)	61	10 - 110
2,4,6-Tribromophenol (Surr)	74	22 - 120
Nitrobenzene-d5 (Surr)	65	27 - 111
Phenol-d5 (Surr)	62	10 - 110
Terphenyl-d14 (Surr)	85	37 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45551

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11641-J-1-A MS	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	05/31/2012 2232			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11641-M-1-A MSD	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531037.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	05/31/2012 2251			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	67	67	50 - 130	0	30		
2-Chloronaphthalene	68	68	34 - 110	0	30		
2-Chlorophenol	66	67	26 - 110	2	30		
4-Bromophenyl phenyl ether	76	77	42 - 113	1	30		
2-Methylnaphthalene	63	64	35 - 110	0	30		
4-Chloro-3-methylphenol	74	74	33 - 110	0	30		
4-Chloroaniline	47	43	10 - 110	9	30		
4-Chlorophenyl phenyl ether	73	74	43 - 113	1	30		
3,3'-Dichlorobenzidine	0	0	10 - 110	NC	30	F	F
2,4-Dichlorophenol	72	73	30 - 110	1	30		
Acenaphthene	67	67	36 - 110	0	30		
Acenaphthylene	67	66	39 - 110	1	30		
2,4-Dimethylphenol	64	64	11 - 110	1	30		
Acetophenone	66	67	50 - 130	2	30		
Anthracene	71	69	46 - 110	2	30		
4,6-Dinitro-2-methylphenol	76	75	25 - 110	1	30		
Atrazine	81	80	50 - 130	1	30		
2,4-Dinitrophenol	65	65	11 - 119	1	30		
Benzaldehyde	62	62	10 - 130	1	30		
2,4-Dinitrotoluene	83	83	46 - 119	0	30		
Benzo[a]anthracene	71	73	52 - 110	3	30		
Benzo[a]pyrene	53	58	33 - 110	9	30		
Benzo[b]fluoranthene	69	71	33 - 114	4	30		
Benzo[g,h,i]perylene	69	75	34 - 116	9	30		
Benzo[k]fluoranthene	69	74	32 - 121	7	30		
Bis(2-chloroethoxy)methane	66	68	35 - 110	3	30		
Bis(2-chloroethyl)ether	70	69	27 - 110	1	30		
Bis(2-ethylhexyl) phthalate	66	72	40 - 140	9	30		
Butyl benzyl phthalate	82	83	51 - 121	2	30		
Caprolactam	67	68	50 - 130	1	30		
Carbazole	74	75	49 - 114	1	30		
2-Methylphenol	69	69	26 - 110	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45551

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11641-J-1-A MS	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	05/31/2012 2232			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11641-M-1-A MSD	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531037.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	05/31/2012 2251			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chrysene	73	74	52 - 111	2	30		
Dibenz(a,h)anthracene	70	76	35 - 118	8	30		
2-Nitroaniline	78	79	31 - 129	1	30		
Dibenzofuran	70	69	41 - 110	0	30		
3-Nitroaniline	54	53	23 - 112	3	30		
Diethyl phthalate	78	79	33 - 130	1	30		
4-Nitroaniline	62	57	26 - 115	10	30		
Dimethyl phthalate	76	76	36 - 124	0	30		
Di-n-butyl phthalate	79	81	50 - 117	2	30		
2-Nitrophenol	65	66	30 - 110	1	30		
Di-n-octyl phthalate	65	73	36 - 124	10	30		
4-Nitrophenol	79	80	13 - 127	2	30		
Fluoranthene	74	75	53 - 111	1	30		
Fluorene	71	70	43 - 110	2	30		
Hexachlorobenzene	73	76	40 - 113	3	30		
2,2'-oxybis[1-chloropropane]	62	63	25 - 128	2	30		
Hexachlorobutadiene	62	63	14 - 110	2	30		
Hexachlorocyclopentadiene	45	42	10 - 110	7	30	J	J
Hexachloroethane	60	59	10 - 110	1	30		
Indeno[1,2,3-cd]pyrene	68	75	36 - 116	9	30		
Isophorone	69	70	34 - 125	2	30		
2,4,5-Trichlorophenol	79	78	36 - 110	1	30		
Naphthalene	62	64	32 - 110	2	30		
2,4,6-Trichlorophenol	76	77	34 - 110	0	30		
Nitrobenzene	67	68	26 - 118	1	30		
N-Nitrosodi-n-propylamine	69	71	25 - 119	3	30		
N-Nitrosodiphenylamine	57	60	28 - 118	5	30		
Pentachlorophenol	83	84	23 - 110	1	30		
Phenol	68	71	16 - 110	4	30		
Phenanthrene	73	73	47 - 110	0	30		
Pyrene	73	74	54 - 115	0	30		
2,6-Dinitrotoluene	85	83	48 - 115	3	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45551

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-11641-J-1-A MS	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531036.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	05/31/2012 2232			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11641-M-1-A MSD	Analysis Batch:	240-45860	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-45551	Lab File ID:	20531037.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	05/31/2012 2251			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1203			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	71	72	25 - 110	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	65	28 - 110
2-Fluorophenol (Surr)	65	65	10 - 110
2,4,6-Tribromophenol (Surr)	75	75	22 - 120
Nitrobenzene-d5 (Surr)	65	65	27 - 111
Phenol-d5 (Surr)	68	70	10 - 110
Terphenyl-d14 (Surr)	75	78	37 - 119

Method Blank - Batch: 240-45972 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-45972/13-A	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/05/2012 0932	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
4-Bromophenyl phenyl ether	ND		13	330
2-Methylnaphthalene	ND		3.3	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
3,3'-Dichlorobenzidine	ND		18	1600
2,4-Dichlorophenol	ND		20	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
2,4-Dimethylphenol	ND		20	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
4,6-Dinitro-2-methylphenol	ND		80	1600
Atrazine	ND		9.1	330
2,4-Dinitrophenol	ND		80	1600
Benzaldehyde	ND		12	330
2,4-Dinitrotoluene	ND		27	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
2-Methylphenol	ND		80	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
2-Nitroaniline	ND		9.1	1600
Dibenzofuran	ND		3.3	330
3-Nitroaniline	ND		16	1600
Diethyl phthalate	ND		16	330
4-Nitroaniline	ND		26	1600
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
2-Nitrophenol	ND		27	330
Di-n-octyl phthalate	ND		27	330
4-Nitrophenol	ND		80	1600
Fluoranthene	ND		3.3	330

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45972 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-45972/13-A	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/05/2012 0932	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
2,4,5-Trichlorophenol	ND		25	330
Naphthalene	ND		3.3	330
2,4,6-Trichlorophenol	ND		80	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
2,6-Dinitrotoluene	ND		21	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	40	34 - 110
2-Fluorophenol (Surr)	56	26 - 110
2,4,6-Tribromophenol (Surr)	23	10 - 118
Nitrobenzene-d5 (Surr)	46	24 - 112
Phenol-d5 (Surr)	52	28 - 110
Terphenyl-d14 (Surr)	56	41 - 119

Lab Control Sample - Batch: 240-45972

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-45972/14-A	Analysis Batch:	240-46409	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	20606008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/06/2012 1115	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	655	98	50 - 130	
2-Chloronaphthalene	667	534	80	46 - 110	
2-Chlorophenol	667	628	94	39 - 110	
4-Bromophenyl phenyl ether	667	579	87	53 - 112	
2-Methylnaphthalene	667	611	92	46 - 110	
4-Chloro-3-methylphenol	667	597	89	42 - 110	
4-Chloroaniline	667	507	76	25 - 110	
4-Chlorophenyl phenyl ether	667	543	81	53 - 110	
3,3'-Dichlorobenzidine	667	431	65	31 - 110	J
2,4-Dichlorophenol	667	590	88	40 - 110	
Acenaphthene	667	623	93	46 - 110	
Acenaphthylene	667	609	91	47 - 110	
2,4-Dimethylphenol	667	519	78	28 - 110	
Acetophenone	667	637	96	50 - 130	
Anthracene	667	664	100	56 - 111	
4,6-Dinitro-2-methylphenol	667	444	67	21 - 110	J
Atrazine	667	820	123	50 - 130	
2,4-Dinitrophenol	667	234	35	10 - 110	J
Benzaldehyde	667	503	75	10 - 130	
2,4-Dinitrotoluene	667	583	87	55 - 116	
Benzo[a]anthracene	667	606	91	58 - 111	
Benzo[a]pyrene	667	577	86	44 - 115	
Benzo[b]fluoranthene	667	623	93	43 - 124	
Benzo[g,h,i]perylene	667	617	93	44 - 120	
Benzo[k]fluoranthene	667	655	98	38 - 122	
Bis(2-chloroethoxy)methane	667	536	80	42 - 110	
Bis(2-chloroethyl)ether	667	606	91	41 - 110	
Bis(2-ethylhexyl) phthalate	667	693	104	56 - 123	
Butyl benzyl phthalate	667	667	100	57 - 121	
Caprolactam	667	643	96	50 - 130	
Carbazole	667	687	103	56 - 115	
2-Methylphenol	667	615	92	36 - 110	
Chrysene	667	626	94	56 - 111	
Dibenz(a,h)anthracene	667	629	94	45 - 122	
2-Nitroaniline	667	587	88	47 - 124	J
Dibenzofuran	667	593	89	50 - 110	
3-Nitroaniline	667	564	85	44 - 110	J
Diethyl phthalate	667	667	100	55 - 114	
4-Nitroaniline	667	611	92	50 - 110	J
Dimethyl phthalate	667	639	96	54 - 112	
Di-n-butyl phthalate	667	740	111	57 - 119	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-45972

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-45972/14-A	Analysis Batch:	240-46409	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	20606008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/06/2012 1115	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	667	623	93	35 - 110	
Di-n-octyl phthalate	667	667	100	45 - 123	
4-Nitrophenol	667	547	82	24 - 117	J
Fluoranthene	667	700	105	55 - 118	
Fluorene	667	637	95	51 - 110	
Hexachlorobenzene	667	610	91	51 - 110	
2,2'-oxybis[1-chloropropane]	667	528	79	36 - 116	
Hexachlorobutadiene	667	512	77	39 - 110	
Hexachlorocyclopentadiene	667	455	68	10 - 110	J
Hexachloroethane	667	562	84	38 - 110	
Indeno[1,2,3-cd]pyrene	667	625	94	45 - 121	
Isophorone	667	591	89	46 - 117	
2,4,5-Trichlorophenol	667	573	86	42 - 110	
Naphthalene	667	604	91	42 - 110	
2,4,6-Trichlorophenol	667	489	73	37 - 110	
Nitrobenzene	667	511	77	40 - 110	
N-Nitrosodi-n-propylamine	667	603	90	40 - 114	
N-Nitrosodiphenylamine	667	663	99	54 - 112	
Pentachlorophenol	667	408	61	10 - 110	
Phenol	667	635	95	39 - 110	
Phenanthrene	667	657	99	54 - 110	
Pyrene	667	619	93	58 - 113	
2,6-Dinitrotoluene	667	587	88	54 - 115	
3 & 4 Methylphenol	1330	1230	93	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	34 - 110
2-Fluorophenol (Surr)	97	26 - 110
2,4,6-Tribromophenol (Surr)	61	10 - 118
Nitrobenzene-d5 (Surr)	73	24 - 112
Phenol-d5 (Surr)	95	28 - 110
Terphenyl-d14 (Surr)	95	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45972

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11672-E-2-E MS	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.07 g
Analysis Date:	06/05/2012 1228			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11672-E-2-F MSD	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	06/05/2012 1246			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	53	62	50 - 130	15	30		
2-Chloronaphthalene	45	53	40 - 110	16	30	J	
2-Chlorophenol	48	57	32 - 110	17	30	J	
4-Bromophenyl phenyl ether	45	48	44 - 120	5	30	J	J
2-Methylnaphthalene	50	59	10 - 200	16	30		
4-Chloro-3-methylphenol	57	57	32 - 117	0	30		
4-Chloroaniline	41	41	11 - 110	1	30	J	J
4-Chlorophenyl phenyl ether	48	51	47 - 116	7	30	J	
3,3'-Dichlorobenzidine	33	31	10 - 110	4	30	J	J
2,4-Dichlorophenol	45	40	33 - 110	10	30	J	J
Acenaphthene	52	58	10 - 200	11	30		
Acenaphthylene	53	60	10 - 200	12	30		
2,4-Dimethylphenol	51	55	19 - 114	8	30		
Acetophenone	50	63	50 - 130	23	30		
Anthracene	56	56	10 - 200	0	30		
4,6-Dinitro-2-methylphenol	0	0	10 - 110	NC	30	F	F
Atrazine	69	68	50 - 130	2	30		
2,4-Dinitrophenol	0	0	10 - 110	NC	30	F	F
Benzaldehyde	43	54	10 - 130	23	30	J	
2,4-Dinitrotoluene	49	52	42 - 118	6	30	J	
Benzo[a]anthracene	55	59	10 - 200	6	30		
Benzo[a]pyrene	48	48	10 - 200	1	30	J	J
Benzo[b]fluoranthene	55	55	10 - 200	0	30		
Benzo[g,h,i]perylene	53	55	10 - 200	3	30		
Benzo[k]fluoranthene	52	54	10 - 200	4	30		
Bis(2-chloroethoxy)methane	45	54	36 - 110	19	30	J	
Bis(2-chloroethyl)ether	46	63	32 - 118	31	30	J	F
Bis(2-ethylhexyl) phthalate	63	66	10 - 200	5	30		
Butyl benzyl phthalate	60	64	43 - 138	6	30		
Caprolactam	21	9	50 - 130	78	30	J F	J F
Carbazole	55	56	10 - 162	2	30		
2-Methylphenol	51	59	19 - 124	14	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45972

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11672-E-2-E MS	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.07 g
Analysis Date:	06/05/2012 1228			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11672-E-2-F MSD	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	06/05/2012 1246			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chrysene	57	60	10 - 200	5	30		
Dibenz(a,h)anthracene	53	53	10 - 200	1	30		
2-Nitroaniline	67	70	31 - 141	4	30	J	J
Dibenzofuran	53	59	10 - 200	10	30		
3-Nitroaniline	51	53	24 - 110	4	30	J	J
Diethyl phthalate	58	61	48 - 118	6	30		
4-Nitroaniline	55	56	23 - 124	2	30	J	J
Dimethyl phthalate	57	61	47 - 116	7	30		
Di-n-butyl phthalate	62	64	31 - 145	3	30		
2-Nitrophenol	41	50	17 - 110	20	30	J	
Di-n-octyl phthalate	62	62	10 - 182	1	30		
4-Nitrophenol	0	0	10 - 125	NC	30	F	F
Fluoranthene	57	58	10 - 200	1	30		
Fluorene	54	58	10 - 187	7	30		
Hexachlorobenzene	47	49	37 - 122	3	30	J	J
2,2'-oxybis[1-chloropropane]	58	72	25 - 124	22	30		
Hexachlorobutadiene	40	51	30 - 110	24	30	J	
Hexachlorocyclopentadiene	10	13	10 - 110	32	30	J	J F
Hexachloroethane	41	56	13 - 110	30	30	J	
Indeno[1,2,3-cd]pyrene	53	54	10 - 200	2	30		
Isophorone	51	61	32 - 129	18	30		
2,4,5-Trichlorophenol	34	14	32 - 112	86	30	J	J F
Naphthalene	51	64	10 - 200	22	30		
2,4,6-Trichlorophenol	26	21	22 - 110	22	30	J	J F
Nitrobenzene	45	55	33 - 111	20	30	J	
N-Nitrosodi-n-propylamine	52	63	30 - 121	19	30		
N-Nitrosodiphenylamine	50	53	10 - 169	6	30		
Pentachlorophenol	0	0	10 - 182	NC	30	F	F
Phenol	52	60	10 - 144	14	30		
Phenanthrene	56	56	10 - 200	0	30		
Pyrene	56	60	10 - 200	6	30		
2,6-Dinitrotoluene	53	56	28 - 137	6	30		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45972

Method: 8270C
Preparation: 3540C

MS Lab Sample ID:	240-11672-E-2-E MS	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.07 g
Analysis Date:	06/05/2012 1228			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-11672-E-2-F MSD	Analysis Batch:	240-46239	Instrument ID:	A4AG2
Client Matrix:	Solid	Prep Batch:	240-45972	Lab File ID:	0605017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	06/05/2012 1246			Final Weight/Volume:	2 mL
Prep Date:	06/01/2012 0842			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	52	58	27 - 116	11	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	42	48	34 - 110
2-Fluorophenol (Surr)	50	61	26 - 110
2,4,6-Tribromophenol (Surr)	19	15	10 - 118
Nitrobenzene-d5 (Surr)	43	54	24 - 112
Phenol-d5 (Surr)	51	59	28 - 110
Terphenyl-d14 (Surr)	54	57	41 - 119

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45685

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 240-45685/8-A	Analysis Batch:	240-45756	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-45685	Lab File ID:	P1200026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/30/2012 2231	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/30/2012 1045			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	35 - 137
DCB Decachlorobiphenyl	77	10 - 140

Lab Control Sample - Batch: 240-45685

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 240-45685/9-A	Analysis Batch:	240-45756	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-45685	Lab File ID:	P1200027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/30/2012 2246	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/30/2012 1045			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.22	89	56 - 130	
Aroclor-1260	2.50	2.28	91	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	35 - 137
DCB Decachlorobiphenyl	83	10 - 140

Method Blank - Batch: 240-45975 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-45975/23-A	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-45975	Lab File ID:	P4000020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/04/2012 1218	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/01/2012 0850			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	88	29 - 151
DCB Decachlorobiphenyl	92	14 - 163

Lab Control Sample - Batch: 240-45975 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-45975/24-A	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-45975	Lab File ID:	P4000032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/04/2012 1527	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/01/2012 0850			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	258	77	62 - 120	
Aroclor-1260	333	275	82	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	29 - 151
DCB Decachlorobiphenyl	87	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45975

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-11794-A-139-B MS	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-45975	Lab File ID:	P4000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.05 g
Analysis Date:	06/04/2012 1352			Final Weight/Volume:	10 mL
Prep Date:	06/01/2012 0850			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-11794-A-139-C MSD	Analysis Batch:	240-46094	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-45975	Lab File ID:	P4000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.07 g
Analysis Date:	06/04/2012 1408			Final Weight/Volume:	10 mL
Prep Date:	06/01/2012 0850			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	75	76	22 - 157	1	30		
Aroclor-1260	77	79	13 - 161	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	73	71	29 - 151
DCB Decachlorobiphenyl	86	82	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45858 **Method: WI-DRO**
Preparation: 3510C

Lab Sample ID:	MB 240-45858/2-A	Analysis Batch:	240-45954	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-45858	Lab File ID:	P6B60105.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/01/2012 0949	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	0.0438	J	0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-45858 **Method: WI-DRO**
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-45858/3-A	Analysis Batch:	240-45954	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-45858	Lab File ID:	P6B60106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/01/2012 1020	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1045			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-45858/4-A	Analysis Batch:	240-45954	Instrument ID:	A2HP6R
Client Matrix:	Water	Prep Batch:	240-45858	Lab File ID:	P6B60108.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/01/2012 1123	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1045			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	75	94	75 - 115	21	20		*

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45889

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-45889/13-A	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/04/2012 1138	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-45889

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-45889/14-A	Analysis Batch:	240-46253	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60505.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/05/2012 1009	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-45889/15-A	Analysis Batch:	240-46146	Instrument ID:	A2HP6R
Client Matrix:	Solid	Prep Batch:	240-45889	Lab File ID:	P6B60419.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 g
Analysis Date:	06/04/2012 1855	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/31/2012 1324			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	87	86	70 - 120	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45605

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-45605/1-A	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1721	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	ND		0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-45605

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-45605/2-A	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1727	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2060	103	80 - 120	
Cadmium	50.0	49.9	100	80 - 120	
Chromium	200	199	100	80 - 120	
Silver	50.0	50.9	102	80 - 120	
Arsenic	2000	1930	96	80 - 120	
Lead	500	487	97	80 - 120	
Selenium	2000	2010	101	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45605

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	240-11623-J-2-B MS	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1744			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11623-J-2-C MSD	Analysis Batch:	240-45974	Instrument ID:	I5
Client Matrix:	Water	Prep Batch:	240-45605	Lab File ID:	I50531A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/31/2012 1750			Final Weight/Volume:	50 mL
Prep Date:	05/30/2012 0618				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	106	107	75 - 125	0	20		
Cadmium	100	101	75 - 125	1	20		
Chromium	101	101	75 - 125	1	20		
Silver	107	107	75 - 125	0	20		
Arsenic	100	101	75 - 125	1	20		
Lead	99	99	75 - 125	1	20		
Selenium	103	104	75 - 125	0	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-45760

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-45760/1-A	Analysis Batch:	240-46110	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	06/01/2012 1719	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		9.6	20
Antimony	ND		0.39	1.0
Barium	0.103	J	0.071	20
Beryllium	ND		0.043	0.50
Calcium	30.2	J	16	500
Cadmium	ND		0.036	0.20
Cobalt	ND		0.16	5.0
Chromium	ND		0.20	0.50
Copper	ND		0.74	2.5
Iron	ND		4.9	10
Potassium	17.6	J	6.2	500
Magnesium	5.29	J	5.1	500
Manganese	0.141	J	0.074	1.5
Silver	ND		0.10	0.50
Sodium	ND		66	500
Nickel	ND		0.27	4.0
Vanadium	ND		0.12	5.0
Zinc	ND		1.0	2.0
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50
Thallium	ND		0.55	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Lab Control Sample - Batch: 240-45760

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-45760/2-A	Analysis Batch:	240-46110	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	06/01/2012 1725	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	199	100	80 - 120	
Antimony	50.0	47.7	95	80 - 120	
Barium	200	202	101	80 - 120	
Beryllium	5.00	4.95	99	80 - 120	
Calcium	5000	5020	100	80 - 120	
Cadmium	5.00	4.83	97	80 - 120	
Cobalt	50.0	48.1	96	80 - 120	
Chromium	20.0	19.4	97	80 - 120	
Copper	25.0	24.0	96	80 - 120	
Iron	100	103	103	80 - 120	
Potassium	5000	4920	98	80 - 120	
Magnesium	5000	4900	98	80 - 120	
Manganese	50.0	49.1	98	80 - 120	
Silver	5.00	4.88	98	80 - 120	
Sodium	5000	4820	96	80 - 120	
Nickel	50.0	49.6	99	80 - 120	
Vanadium	50.0	47.4	95	80 - 120	
Zinc	50.0	50.0	100	80 - 120	
Arsenic	200	184	92	80 - 120	
Lead	50.0	47.2	94	80 - 120	
Selenium	200	184	92	80 - 120	
Thallium	200	187	94	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45760

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-11664-1	Analysis Batch:	240-46110	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	06/01/2012 1827			Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11664-1	Analysis Batch:	240-46110	Instrument ID:	I5
Client Matrix:	Solid	Prep Batch:	240-45760	Lab File ID:	I50601A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	06/01/2012 1833			Final Weight/Volume:	100 mL
Prep Date:	05/31/2012 0700				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	229	313	75 - 125	5	20	4	4
Antimony	74	73	75 - 125	1	20	F	F
Barium	98	97	75 - 125	1	20		
Beryllium	96	94	75 - 125	2	20		
Calcium	102	130	75 - 125	5	20	4	4
Cadmium	92	91	75 - 125	1	20		
Cobalt	101	93	75 - 125	7	20		
Chromium	94	95	75 - 125	1	20		
Copper	97	102	75 - 125	4	20		
Iron	-523	-144	75 - 125	5	20	4	4
Potassium	99	98	75 - 125	1	20		
Magnesium	118	129	75 - 125	5	20		F
Manganese	146	150	75 - 125	1	20	4	4
Silver	96	94	75 - 125	2	20		
Sodium	97	96	75 - 125	1	20		
Nickel	94	92	75 - 125	2	20		
Vanadium	91	90	75 - 125	1	20		
Zinc	93	93	75 - 125	0	20		
Arsenic	91	90	75 - 125	1	20		
Lead	98	91	75 - 125	7	20		
Selenium	91	89	75 - 125	2	20		
Thallium	91	90	75 - 125	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Method Blank - Batch: 240-46291

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-46278/1-D	Analysis Batch:	240-46407	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-46291	Lab File ID:	060512A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/05/2012 1725	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	06/05/2012 1400				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-46291

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-46291/2-A	Analysis Batch:	240-46407	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-46291	Lab File ID:	060512A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/05/2012 1727	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	06/05/2012 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.58	92	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-46291

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	240-11664-D-4-C MS	Analysis Batch:	240-46407	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-46291	Lab File ID:	060512A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/05/2012 1737			Final Weight/Volume:	100 mL
Prep Date:	06/05/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11664-4	Analysis Batch:	240-46407	Instrument ID:	H4
Client Matrix:	Water	Prep Batch:	240-46291	Lab File ID:	060512A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/05/2012 1739			Final Weight/Volume:	100 mL
Prep Date:	06/05/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	73	82	69 - 134	12	20		

Method Blank - Batch: 240-45737

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-45737/1-A	Analysis Batch:	240-46348	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/05/2012 1313	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1413				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-45737

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-45737/2-A	Analysis Batch:	240-46348	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/05/2012 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1413				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.711	85	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-45737

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-11664-1	Analysis Batch:	240-46348	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	06/05/2012 1353			Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1413				
Leach Date:	N/A				

MSD Lab Sample ID:	240-11664-1	Analysis Batch:	240-46348	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-45737	Lab File ID:	060512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	06/05/2012 1355			Final Weight/Volume:	100 mL
Prep Date:	05/30/2012 1413				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	87	88	11 - 192	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-11664-1

Duplicate - Batch: 240-45586

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-11664-5	Analysis Batch:	240-45586	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/29/2012 1520	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	87	88	1	20	
Percent Moisture	13	12	9	20	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-17018-1

Job Description: Ford TCAP - E200572

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
Suite 500
Novi, MI 48377

Attention: Mr. Rob Ellis

Approved for release.
Denise Pohl
Project Manager II
11/16/2012 1:37 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com
11/16/2012

TestAmerica Laboratories, Inc.
TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-17018-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 10/31/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.4, 2.8 and 3.3 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-258_1-3(20121030) (240-17018-4), ASB-258_6-7(20121030) (240-17018-5), ASB-259_1-2(20121030) (240-17018-6), ASB-259_4-6(20121030) (240-17018-7), MB-003(20121030) (240-17018-9), ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12) and ASB-261_9-11(20121030) (240-17018-13) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 11/01/2012 and analyzed on 11/03/2012 and 11/05/2012.

Method 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 63576.

Method 8260B: Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for prep. batch 63576 on these samples ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12), ASB-261_9-11(20121030) (240-17018-13), MB-003(20121030) (240-17018-9).

No other difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-257_3.5-8.5(20121030) (240-17018-3) and TB-001(20121030) (240-17018-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/06/2012.

Methylene Chloride was detected in method blank MB 240-63987/5 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Ethyl ether, Naphthalene and Tetrahydrofuran were detected in method blank MB 240-63987/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated

sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Method 8260B: The following sample submitted for volatiles analysis was received with insufficient preservation (pH >2): ASB-257_3.5-8.5(20121030) (240-17018-3).

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ASB-258_1-3(20121030) (240-17018-4), ASB-258_6-7(20121030) (240-17018-5), ASB-259_1-2(20121030) (240-17018-6), ASB-259_4-6(20121030) (240-17018-7), ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12) and ASB-261_9-11(20121030) (240-17018-13) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/05/2012 and analyzed on 11/08/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the SVOCs analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample ASB-257_3.5-8.5(20121030) (240-17018-3) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/02/2012 and analyzed on 11/06/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No difficulties were encountered during the SVOCs analysis.

All quality control parameters were within the acceptance limits.

WISCONSIN DRO

Sample ASB-257_3.5-8.5(20121030) (240-17018-3) was analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/02/2012 and analyzed on 11/08/2012.

No difficulties were encountered during the WI-DRO analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples ASB-258_1-3(20121030) (240-17018-4), ASB-259_4-6(20121030) (240-17018-7), ASB-260_1-2(20121030) (240-17018-10) and ASB-261_0.5-2(20121030) (240-17018-12) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 11/05/2012 and analyzed on 11/07/2012 and 11/08/2012.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: ASB-258_1-3(20121030) (240-17018-4) and ASB-259_4-6(20121030) (240-17018-7). Lot # S65830

No other difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample ASB-257_3.5-8.5(20121030) (240-17018-3) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 11/02/2012 and analyzed on 11/05/2012.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for ASB-257_3.5-8.5(20121030) (240-17018-3). Refer to the QC report for details.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 63627. 3510C_LL 8082

Method 8082: Surrogate recovery for the following sample was outside of acceptance limits: ASB-257_3.5-8.5(20121030) (240-17018-3). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

WISCONSIN DRO

Samples ASB-258_1-3(20121030) (240-17018-4), ASB-258_6-7(20121030) (240-17018-5), ASB-259_1-2(20121030) (240-17018-6), ASB-259_4-6(20121030) (240-17018-7), ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12) and ASB-261_9-11(20121030) (240-17018-13) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 11/02/2012 and analyzed on 11/09/2012 and 11/10/2012.

No difficulties were encountered during the WI-DRO analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples ASB-262_0.5-1(20121030) (240-17018-1), ASB-262_2-5(20121030) (240-17018-2), ASB-258_1-3(20121030) (240-17018-4), ASB-258_6-7(20121030) (240-17018-5), ASB-259_1-2(20121030) (240-17018-6), ASB-259_4-6(20121030) (240-17018-7), ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12) and ASB-261_9-11(20121030) (240-17018-13) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/05/2012 and analyzed on 11/06/2012.

Barium was detected in method blank MB 240-63809/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Sample ASB-257_3.5-8.5(20121030) (240-17018-3) was analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/02/2012 and analyzed on 11/06/2012.

Barium was detected in method blank MB 240-63580/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Sample ASB-257_3.5-8.5(20121030) (240-17018-3) was analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/02/2012 and analyzed on 11/05/2012.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples ASB-262_0.5-1(20121030) (240-17018-1), ASB-262_2-5(20121030) (240-17018-2), ASB-258_1-3(20121030) (240-17018-4), ASB-258_6-7(20121030) (240-17018-5), ASB-259_1-2(20121030) (240-17018-6), ASB-259_4-6(20121030) (240-17018-7), ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12) and ASB-261_9-11(20121030) (240-17018-13) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 11/05/2012 and analyzed on 11/07/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PH

Samples ASB-262_0.5-1(20121030) (240-17018-1) and ASB-262_2-5(20121030) (240-17018-2) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 11/02/2012.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples ASB-262_0.5-1(20121030) (240-17018-1), ASB-262_2-5(20121030) (240-17018-2), ASB-258_1-3(20121030) (240-17018-4), ASB-258_6-7(20121030) (240-17018-5), ASB-259_1-2(20121030) (240-17018-6), ASB-259_4-6(20121030) (240-17018-7), ASB-260_1-2(20121030) (240-17018-10), ASB-260_7-8(20121030) (240-17018-11), ASB-261_0.5-2(20121030) (240-17018-12) and ASB-261_9-11(20121030) (240-17018-13) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/02/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-1	**ASB-262_0.5-1(20121030)**					
Barium		24	B	16	mg/Kg	6010B
Chromium		12		0.39	mg/Kg	6010B
Arsenic		2.4		0.79	mg/Kg	6010B
Lead		2.6		0.24	mg/Kg	6010B
Mercury		0.026	J	0.12	mg/Kg	7471A
pH		9.26		0.100	SU	9045C
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-17018-2	**ASB-262_2-5(20121030)**					
Barium		50	B	23	mg/Kg	6010B
Chromium		8.3		0.58	mg/Kg	6010B
Arsenic		3.5		1.2	mg/Kg	6010B
Lead		4.4		0.35	mg/Kg	6010B
Mercury		0.031	J	0.11	mg/Kg	7471A
pH		8.29		0.100	SU	9045C
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-17018-3	**ASB-257_3.5-8.5(20121030)**					
1,2,4-Trimethylbenzene		0.16	J	1.0	ug/L	8260B
Acetone		2.2	J	10	ug/L	8260B
Benzene		0.25	J	1.0	ug/L	8260B
Cyclohexane		0.13	J	1.0	ug/L	8260B
m-Xylene & p-Xylene		0.24	J	2.0	ug/L	8260B
2-Butanone (MEK)		0.62	J	10	ug/L	8260B
Toluene		0.31	J	1.0	ug/L	8260B
Methylcyclohexane		0.15	J	1.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		1.1	J	2.8	ug/L	8270C
WI Diesel Range Organics (C10-C28)		0.14		0.11	mg/L	WI-DRO
Dissolved						
Barium		100	J B	200	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-4	**ASB-258_1-3(20121030)**					
Methyl acetate		64	J	570	ug/Kg	8260B
2-Methylnaphthalene		7.7	J	380	ug/Kg	8270C
Acenaphthene		23	J	380	ug/Kg	8270C
Acenaphthylene		6.4	J	380	ug/Kg	8270C
Anthracene		66	J	380	ug/Kg	8270C
Benzo[a]anthracene		150	J	380	ug/Kg	8270C
Benzo[a]pyrene		120	J	380	ug/Kg	8270C
Benzo[b]fluoranthene		170	J	380	ug/Kg	8270C
Benzo[g,h,i]perylene		91	J	380	ug/Kg	8270C
Benzo[k]fluoranthene		86	J	380	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		39	J	380	ug/Kg	8270C
Chrysene		180	J	380	ug/Kg	8270C
Dibenz(a,h)anthracene		28	J	380	ug/Kg	8270C
Dibenzofuran		14	J	380	ug/Kg	8270C
Diethyl phthalate		31	J	380	ug/Kg	8270C
Fluoranthene		320	J	380	ug/Kg	8270C
Fluorene		26	J	380	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		68	J	380	ug/Kg	8270C
Naphthalene		7.9	J	380	ug/Kg	8270C
Phenanthrene		220	J	380	ug/Kg	8270C
Pyrene		260	J	380	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		9.9		9.5	mg/Kg	WI-DRO
Barium		49	B	19	mg/Kg	6010B
Cadmium		0.077	J	0.19	mg/Kg	6010B
Chromium		15		0.47	mg/Kg	6010B
Arsenic		30		0.93	mg/Kg	6010B
Lead		20		0.28	mg/Kg	6010B
Mercury		0.046	J	0.12	mg/Kg	7471A
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-5	**ASB-258_6-7(20121030)**					
Methyl acetate		140	J	680	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		36	J	490	ug/Kg	8270C
Diethyl phthalate		62	J	490	ug/Kg	8270C
Fluoranthene		12	J	490	ug/Kg	8270C
Pyrene		10	J	490	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.7	J	13	mg/Kg	WI-DRO
Barium		110	B	28	mg/Kg	6010B
Cadmium		0.13	J	0.28	mg/Kg	6010B
Chromium		23		0.70	mg/Kg	6010B
Arsenic		3.9		1.4	mg/Kg	6010B
Lead		8.7		0.42	mg/Kg	6010B
Selenium		0.87		0.70	mg/Kg	6010B
Mercury		0.049	J	0.15	mg/Kg	7471A
Percent Solids		67		0.10	%	Moisture
Percent Moisture		33		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-6	**ASB-259_1-2(20121030)**					
Methyl acetate		40	J	660	ug/Kg	8260B
Naphthalene		16	J	330	ug/Kg	8260B
2-Methylnaphthalene		26	J	450	ug/Kg	8270C
Acenaphthene		50	J	450	ug/Kg	8270C
Acenaphthylene		8.8	J	450	ug/Kg	8270C
Anthracene		140	J	450	ug/Kg	8270C
Benzo[a]anthracene		270	J	450	ug/Kg	8270C
Benzo[a]pyrene		190	J	450	ug/Kg	8270C
Benzo[b]fluoranthene		230	J	450	ug/Kg	8270C
Benzo[g,h,i]perylene		100	J	450	ug/Kg	8270C
Benzo[k]fluoranthene		120	J	450	ug/Kg	8270C
Carbazole		41	J	450	ug/Kg	8270C
Chrysene		250	J	450	ug/Kg	8270C
Dibenz(a,h)anthracene		31	J	450	ug/Kg	8270C
Dibenzofuran		22	J	450	ug/Kg	8270C
Diethyl phthalate		35	J	450	ug/Kg	8270C
Fluoranthene		560		450	ug/Kg	8270C
Fluorene		53	J	450	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		86	J	450	ug/Kg	8270C
Naphthalene		14	J	450	ug/Kg	8270C
Phenanthrene		510		450	ug/Kg	8270C
Pyrene		440	J	450	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		14		13	mg/Kg	WI-DRO
Barium		130	B	27	mg/Kg	6010B
Cadmium		0.23	J	0.27	mg/Kg	6010B
Chromium		13		0.67	mg/Kg	6010B
Arsenic		120		1.3	mg/Kg	6010B
Lead		12		0.40	mg/Kg	6010B
Mercury		0.16		0.12	mg/Kg	7471A
Percent Solids		73		0.10	%	Moisture
Percent Moisture		27		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-7	**ASB-259_4-6(20121030)**					
2-Methylnaphthalene		7.4	J	400	ug/Kg	8270C
Benzo[a]anthracene		6.1	J	400	ug/Kg	8270C
Benzo[a]pyrene		5.2	J	400	ug/Kg	8270C
Benzo[b]fluoranthene		5.4	J	400	ug/Kg	8270C
Chrysene		7.9	J	400	ug/Kg	8270C
Fluoranthene		10	J	400	ug/Kg	8270C
Naphthalene		6.5	J	400	ug/Kg	8270C
Phenanthrene		11	J	400	ug/Kg	8270C
Pyrene		9.5	J	400	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		1.8	J	11	mg/Kg	WI-DRO
Barium		26	B	25	mg/Kg	6010B
Chromium		21		0.61	mg/Kg	6010B
Arsenic		5.5		1.2	mg/Kg	6010B
Lead		3.5		0.37	mg/Kg	6010B
Mercury		0.034	J	0.13	mg/Kg	7471A
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-17018-8TB	**TB-001(20121030)**					
Acetone		2.8	J	10	ug/L	8260B
Naphthalene		0.25	J B	1.0	ug/L	8260B
240-17018-9	**MB-003(20121030)**					
Toluene		21	J	250	ug/Kg	8260B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-10	**ASB-260_1-2(20121030)**					
Benzo[a]anthracene		13	J	460	ug/Kg	8270C
Benzo[a]pyrene		14	J	460	ug/Kg	8270C
Benzo[b]fluoranthene		13	J	460	ug/Kg	8270C
Benzo[g,h,i]perylene		11	J	460	ug/Kg	8270C
Chrysene		18	J	460	ug/Kg	8270C
Fluoranthene		22	J	460	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		7.9	J	460	ug/Kg	8270C
Phenanthrene		11	J	460	ug/Kg	8270C
Pyrene		20	J	460	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		6.7	J	13	mg/Kg	WI-DRO
Barium		19	J B	26	mg/Kg	6010B
Chromium		7.3		0.66	mg/Kg	6010B
Arsenic		30		1.3	mg/Kg	6010B
Lead		23		0.40	mg/Kg	6010B
Mercury		0.12	J	0.14	mg/Kg	7471A
Percent Solids		70		0.10	%	Moisture
Percent Moisture		30		0.10	%	Moisture
240-17018-11	**ASB-260_7-8(20121030)**					
Benzo[a]anthracene		11	J	420	ug/Kg	8270C
Benzo[a]pyrene		12	J	420	ug/Kg	8270C
Benzo[b]fluoranthene		18	J	420	ug/Kg	8270C
Benzo[g,h,i]perylene		11	J	420	ug/Kg	8270C
Benzo[k]fluoranthene		7.9	J	420	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		30	J	420	ug/Kg	8270C
Chrysene		18	J	420	ug/Kg	8270C
Fluoranthene		25	J	420	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		8.5	J	420	ug/Kg	8270C
Naphthalene		6.6	J	420	ug/Kg	8270C
Phenanthrene		13	J	420	ug/Kg	8270C
Pyrene		23	J	420	ug/Kg	8270C
Barium		120	B	19	mg/Kg	6010B
Chromium		14		0.47	mg/Kg	6010B
Arsenic		270		0.93	mg/Kg	6010B
Lead		12		0.28	mg/Kg	6010B
Mercury		0.038	J	0.13	mg/Kg	7471A
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17018-12	**ASB-261_0.5-2(20121030)**					
Acenaphthene		7.6	J	410	ug/Kg	8270C
Anthracene		18	J	410	ug/Kg	8270C
Benzo[a]anthracene		42	J	410	ug/Kg	8270C
Benzo[a]pyrene		34	J	410	ug/Kg	8270C
Benzo[b]fluoranthene		42	J	410	ug/Kg	8270C
Benzo[g,h,i]perylene		23	J	410	ug/Kg	8270C
Benzo[k]fluoranthene		22	J	410	ug/Kg	8270C
Chrysene		48	J	410	ug/Kg	8270C
Fluoranthene		92	J	410	ug/Kg	8270C
Fluorene		6.3	J	410	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		19	J	410	ug/Kg	8270C
Phenanthrene		70	J	410	ug/Kg	8270C
Pyrene		77	J	410	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		2.8	J	10	mg/Kg	WI-DRO
Barium		35	B	24	mg/Kg	6010B
Cadmium		0.070	J	0.24	mg/Kg	6010B
Chromium		8.4		0.60	mg/Kg	6010B
Arsenic		650		1.2	mg/Kg	6010B
Lead		24		0.36	mg/Kg	6010B
Mercury		0.17		0.13	mg/Kg	7471A
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-17018-13	**ASB-261_9-11(20121030)**					
Methyl acetate		330	J	680	ug/Kg	8260B
Phenol		150	J	420	ug/Kg	8270C
WI Diesel Range Organics (C10-C28)		3.0	J	10	mg/Kg	WI-DRO
Barium		150	B	23	mg/Kg	6010B
Cadmium		0.14	J	0.23	mg/Kg	6010B
Chromium		19		0.58	mg/Kg	6010B
Arsenic		2.2		1.2	mg/Kg	6010B
Lead		9.1		0.35	mg/Kg	6010B
Mercury		0.044	J	0.11	mg/Kg	7471A
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Soxhlet Extraction	TAL NC		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Soxhlet Extraction	TAL NC		SW846 3540C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)	TAL NC		WI-DRO WI DRO PREP
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Metals	TAL NC		SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471A	
Preparation, Mercury	TAL NC		SW846 7471A
pH	TAL NC	SW846 9045C	
Percent Moisture	TAL NC	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL NC		SW846 3510C
Wisconsin - Diesel Range Organics (GC)	TAL NC	WI-DRO WI-DRO	
Liquid-Liquid Extraction (Separatory Funnel)	TAL NC		SW846 3510C
Metals (ICP)	TAL NC	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL NC		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL NC	SW846 7470A	
Preparation, Mercury	TAL NC		SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL NC = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method	Analyst	Analyst ID
SW846 8260B	Lata, Todd	TL
SW846 8260B	Macenczak, Steven	SM
SW846 8260B	Quayle, Rick	RQ
SW846 8270C	Gruber, John	JG
SW846 8270C	Ulman, Mark	MU
SW846 8082	Hass, Lori	LH
WI-DRO WI-DRO	Roach, Carolynne	CR
SW846 6010B	Counts, Karen	KC
SW846 6010B	Toth, Roger	RT
SW846 7470A	Heakin, David	DH
SW846 7471A	Heakin, David	DH
SW846 9045C	Nicholas, Courtney	CN
EPA Moisture	Harshman, Tom	TH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-17018-1	ASB-262_0.5-1(20121030)	Solid	10/30/2012 0835	10/31/2012 1616
240-17018-2	ASB-262_2-5(20121030)	Solid	10/30/2012 0838	10/31/2012 1616
240-17018-3	ASB-257_3.5-8.5(20121030)	Water	10/30/2012 0900	10/31/2012 1616
240-17018-4	ASB-258_1-3(20121030)	Solid	10/30/2012 1027	10/31/2012 1616
240-17018-5	ASB-258_6-7(20121030)	Solid	10/30/2012 1035	10/31/2012 1616
240-17018-6	ASB-259_1-2(20121030)	Solid	10/30/2012 1115	10/31/2012 1616
240-17018-7	ASB-259_4-6(20121030)	Solid	10/30/2012 1120	10/31/2012 1616
240-17018-8TB	TB-001(20121030)	Water	10/30/2012 0000	10/31/2012 1616
240-17018-9	MB-003(20121030)	Solid	10/30/2012 0000	10/31/2012 1616
240-17018-10	ASB-260_1-2(20121030)	Solid	10/30/2012 1305	10/31/2012 1616
240-17018-11	ASB-260_7-8(20121030)	Solid	10/30/2012 1315	10/31/2012 1616
240-17018-12	ASB-261_0.5-2(20121030)	Solid	10/30/2012 1350	10/31/2012 1616
240-17018-13	ASB-261_9-11(20121030)	Solid	10/30/2012 1400	10/31/2012 1616

SAMPLE RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXR2859.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1452			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1452				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	0.16	J	0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	2.2	J	1.1	10
Benzene	0.25	J	0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	0.13	J	0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	2.0

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXR2859.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1452			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1452				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	2.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	ND		0.24	1.0
m-Xylene & p-Xylene	0.24	J	0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	0.62	J	0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	5.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	0.31	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	0.15	J	0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		63 - 129
4-Bromofluorobenzene (Surr)	93		66 - 117
Toluene-d8 (Surr)	102		74 - 115
Dibromofluoromethane (Surr)	105		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81551.D
Dilution:	1.0			Initial Weight/Volume:	10.321 g
Analysis Date:	11/03/2012 0806			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		10	280
1,1,1-Trichloroethane		ND		24	280
1,1,2,2-Tetrachloroethane		ND		10	280
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		44	280
1,1,2-Trichloroethane		ND		14	280
1,1-Dichloroethane		ND		19	280
1,1-Dichloroethene		ND		20	280
1,1-Dichloropropene		ND		11	280
1,2,3-Trichlorobenzene		ND		11	280
1,2,3-Trichloropropane		ND		24	280
1,2,4-Trichlorobenzene		ND		8.3	280
1,2,4-Trimethylbenzene		ND		5.7	280
1,2-Dibromo-3-Chloropropane		ND		57	570
1,2-Dibromoethane		ND		11	280
1,2-Dichlorobenzene		ND		9.8	280
1,2-Dichloroethane		ND		11	280
1,2-Dichloropropane		ND		9.3	280
1,3,5-Trimethylbenzene		ND		6.6	280
1,3-Dichlorobenzene		ND		5.5	280
1,3-Dichloropropane		ND		25	280
1,4-Dichlorobenzene		ND		9.1	280
2,2-Dichloropropane		ND		26	280
2-Butanone (MEK)		ND		49	1100
2-Chlorotoluene		ND		10	280
2-Hexanone		ND		23	1100
Allyl chloride		ND		60	570
4-Chlorotoluene		ND		11	280
4-Methyl-2-pentanone (MIBK)		ND		55	1100
Acetone		ND		190	1100
Benzene		ND		14	280
Bromobenzene		ND		15	280
Bromochloromethane		ND		15	280
Bromodichloromethane		ND		11	280
Bromoform		ND		22	280
Bromomethane		ND		33	280
Carbon disulfide		ND		14	280
Carbon tetrachloride		ND		7.3	280
Chlorobenzene		ND		7.3	280
Chloroethane		ND		69	280
Chloroform		ND		10	280
Chloromethane		ND		16	280
cis-1,2-Dichloroethene		ND		7.8	280
cis-1,3-Dichloropropene		ND		9.0	280
Cyclohexane		ND		45	570
Chlorodibromomethane		ND		14	280
Dibromomethane		ND		16	280

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81551.D
Dilution:	1.0			Initial Weight/Volume:	10.321 g
Analysis Date:	11/03/2012 0806			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		18	280
Dichlorofluoromethane		ND		28	570
Ethyl ether		ND		17	570
Ethylbenzene		ND		6.1	280
Hexachlorobutadiene		ND		16	280
Isopropylbenzene		ND		7.4	280
Methyl acetate		64	J	28	570
Methyl tert butyl ether		ND		8.1	1100
Methylcyclohexane		ND		14	570
Methylene Chloride		ND		88	280
m-Xylene & p-Xylene		ND		7.1	570
Naphthalene		ND		7.6	280
n-Butylbenzene		ND		9.1	280
N-Propylbenzene		ND		16	280
o-Xylene		ND		9.7	280
p-Isopropyltoluene		ND		5.5	280
sec-Butylbenzene		ND		5.3	280
Styrene		ND		6.4	280
tert-Butylbenzene		ND		7.4	280
Tetrachloroethene		ND		14	280
Tetrahydrofuran		ND		56	1100
Toluene		ND		19	280
trans-1,2-Dichloroethene		ND		10	280
trans-1,3-Dichloropropene		ND		23	280
Trichloroethene		ND		11	280
Trichlorofluoromethane		ND		18	280
Vinyl chloride		ND		20	280

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		39 - 128
4-Bromofluorobenzene (Surr)	85		26 - 141
Dibromofluoromethane (Surr)	70		30 - 122
Toluene-d8 (Surr)	84		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035
Client Matrix: Solid % Moisture: 32.7 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81552.D
Dilution:	1.0			Initial Weight/Volume:	10.839 g
Analysis Date:	11/03/2012 0828			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	340
1,1,1-Trichloroethane		ND		29	340
1,1,2,2-Tetrachloroethane		ND		12	340
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		53	340
1,1,2-Trichloroethane		ND		16	340
1,1-Dichloroethane		ND		23	340
1,1-Dichloroethene		ND		25	340
1,1-Dichloropropene		ND		14	340
1,2,3-Trichlorobenzene		ND		14	340
1,2,3-Trichloropropane		ND		29	340
1,2,4-Trichlorobenzene		ND		10	340
1,2,4-Trimethylbenzene		ND		6.8	340
1,2-Dibromo-3-Chloropropane		ND		68	680
1,2-Dibromoethane		ND		14	340
1,2-Dichlorobenzene		ND		12	340
1,2-Dichloroethane		ND		14	340
1,2-Dichloropropane		ND		11	340
1,3,5-Trimethylbenzene		ND		7.9	340
1,3-Dichlorobenzene		ND		6.6	340
1,3-Dichloropropane		ND		30	340
1,4-Dichlorobenzene		ND		11	340
2,2-Dichloropropane		ND		32	340
2-Butanone (MEK)		ND		59	1400
2-Chlorotoluene		ND		12	340
2-Hexanone		ND		27	1400
Allyl chloride		ND		73	680
4-Chlorotoluene		ND		14	340
4-Methyl-2-pentanone (MIBK)		ND		66	1400
Acetone		ND		230	1400
Benzene		ND		16	340
Bromobenzene		ND		18	340
Bromochloromethane		ND		18	340
Bromodichloromethane		ND		14	340
Bromoform		ND		26	340
Bromomethane		ND		40	340
Carbon disulfide		ND		16	340
Carbon tetrachloride		ND		8.8	340
Chlorobenzene		ND		8.8	340
Chloroethane		ND		84	340
Chloroform		ND		12	340
Chloromethane		ND		19	340
cis-1,2-Dichloroethene		ND		9.5	340
cis-1,3-Dichloropropene		ND		11	340
Cyclohexane		ND		55	680
Chlorodibromomethane		ND		16	340
Dibromomethane		ND		19	340

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035
Client Matrix: Solid % Moisture: 32.7 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81552.D
Dilution:	1.0			Initial Weight/Volume:	10.839 g
Analysis Date:	11/03/2012 0828			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		22	340
Dichlorofluoromethane		ND		34	680
Ethyl ether		ND		21	680
Ethylbenzene		ND		7.4	340
Hexachlorobutadiene		ND		19	340
Isopropylbenzene		ND		8.9	340
Methyl acetate		140	J	34	680
Methyl tert butyl ether		ND		9.7	1400
Methylcyclohexane		ND		16	680
Methylene Chloride		ND		110	340
m-Xylene & p-Xylene		ND		8.5	680
Naphthalene		ND		9.2	340
n-Butylbenzene		ND		11	340
N-Propylbenzene		ND		19	340
o-Xylene		ND		12	340
p-Isopropyltoluene		ND		6.6	340
sec-Butylbenzene		ND		6.4	340
Styrene		ND		7.7	340
tert-Butylbenzene		ND		8.9	340
Tetrachloroethene		ND		16	340
Tetrahydrofuran		ND		67	1400
Toluene		ND		23	340
trans-1,2-Dichloroethene		ND		13	340
trans-1,3-Dichloropropene		ND		27	340
Trichloroethene		ND		13	340
Trichlorofluoromethane		ND		22	340
Vinyl chloride		ND		25	340

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		39 - 128
4-Bromofluorobenzene (Surr)	80		26 - 141
Dibromofluoromethane (Surr)	69		30 - 122
Toluene-d8 (Surr)	81		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115
Client Matrix: Solid % Moisture: 26.7 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81553.D
Dilution:	1.0			Initial Weight/Volume:	10.287 g
Analysis Date:	11/03/2012 0849			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	330
1,1,1-Trichloroethane		ND		28	330
1,1,2,2-Tetrachloroethane		ND		12	330
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		52	330
1,1,2-Trichloroethane		ND		16	330
1,1-Dichloroethane		ND		23	330
1,1-Dichloroethene		ND		24	330
1,1-Dichloropropene		ND		13	330
1,2,3-Trichlorobenzene		ND		13	330
1,2,3-Trichloropropane		ND		28	330
1,2,4-Trichlorobenzene		ND		9.7	330
1,2,4-Trimethylbenzene		ND		6.6	330
1,2-Dibromo-3-Chloropropane		ND		66	660
1,2-Dibromoethane		ND		13	330
1,2-Dichlorobenzene		ND		11	330
1,2-Dichloroethane		ND		13	330
1,2-Dichloropropane		ND		11	330
1,3,5-Trimethylbenzene		ND		7.7	330
1,3-Dichlorobenzene		ND		6.4	330
1,3-Dichloropropane		ND		29	330
1,4-Dichlorobenzene		ND		11	330
2,2-Dichloropropane		ND		31	330
2-Butanone (MEK)		ND		57	1300
2-Chlorotoluene		ND		12	330
2-Hexanone		ND		27	1300
Allyl chloride		ND		70	660
4-Chlorotoluene		ND		13	330
4-Methyl-2-pentanone (MIBK)		ND		64	1300
Acetone		ND		230	1300
Benzene		ND		16	330
Bromobenzene		ND		17	330
Bromochloromethane		ND		17	330
Bromodichloromethane		ND		13	330
Bromoform		ND		25	330
Bromomethane		ND		38	330
Carbon disulfide		ND		16	330
Carbon tetrachloride		ND		8.5	330
Chlorobenzene		ND		8.5	330
Chloroethane		ND		81	330
Chloroform		ND		12	330
Chloromethane		ND		19	330
cis-1,2-Dichloroethene		ND		9.2	330
cis-1,3-Dichloropropene		ND		10	330
Cyclohexane		ND		53	660
Chlorodibromomethane		ND		16	330
Dibromomethane		ND		19	330

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115
Client Matrix: Solid % Moisture: 26.7 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81553.D
Dilution:	1.0			Initial Weight/Volume:	10.287 g
Analysis Date:	11/03/2012 0849			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		21	330
Dichlorofluoromethane		ND		33	660
Ethyl ether		ND		20	660
Ethylbenzene		ND		7.2	330
Hexachlorobutadiene		ND		19	330
Isopropylbenzene		ND		8.6	330
Methyl acetate		40	J	33	660
Methyl tert butyl ether		ND		9.4	1300
Methylcyclohexane		ND		16	660
Methylene Chloride		ND		100	330
m-Xylene & p-Xylene		ND		8.2	660
Naphthalene		16	J	8.9	330
n-Butylbenzene		ND		11	330
N-Propylbenzene		ND		19	330
o-Xylene		ND		11	330
p-Isopropyltoluene		ND		6.4	330
sec-Butylbenzene		ND		6.2	330
Styrene		ND		7.4	330
tert-Butylbenzene		ND		8.6	330
Tetrachloroethene		ND		16	330
Tetrahydrofuran		ND		65	1300
Toluene		ND		23	330
trans-1,2-Dichloroethene		ND		12	330
trans-1,3-Dichloropropene		ND		27	330
Trichloroethene		ND		13	330
Trichlorofluoromethane		ND		21	330
Vinyl chloride		ND		24	330

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		39 - 128
4-Bromofluorobenzene (Surr)	88		26 - 141
Dibromofluoromethane (Surr)	72		30 - 122
Toluene-d8 (Surr)	90		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81554.D
Dilution:	1.0			Initial Weight/Volume:	9.17 g
Analysis Date:	11/03/2012 0910			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	330
1,1,1-Trichloroethane		ND		28	330
1,1,2,2-Tetrachloroethane		ND		12	330
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		52	330
1,1,2-Trichloroethane		ND		16	330
1,1-Dichloroethane		ND		23	330
1,1-Dichloroethene		ND		24	330
1,1-Dichloropropene		ND		13	330
1,2,3-Trichlorobenzene		ND		13	330
1,2,3-Trichloropropane		ND		28	330
1,2,4-Trichlorobenzene		ND		9.8	330
1,2,4-Trimethylbenzene		ND		6.7	330
1,2-Dibromo-3-Chloropropane		ND		67	670
1,2-Dibromoethane		ND		13	330
1,2-Dichlorobenzene		ND		12	330
1,2-Dichloroethane		ND		13	330
1,2-Dichloropropane		ND		11	330
1,3,5-Trimethylbenzene		ND		7.8	330
1,3-Dichlorobenzene		ND		6.4	330
1,3-Dichloropropane		ND		29	330
1,4-Dichlorobenzene		ND		11	330
2,2-Dichloropropane		ND		31	330
2-Butanone (MEK)		ND		58	1300
2-Chlorotoluene		ND		12	330
2-Hexanone		ND		27	1300
Allyl chloride		ND		71	670
4-Chlorotoluene		ND		13	330
4-Methyl-2-pentanone (MIBK)		ND		64	1300
Acetone		ND		230	1300
Benzene		ND		16	330
Bromobenzene		ND		17	330
Bromochloromethane		ND		17	330
Bromodichloromethane		ND		13	330
Bromoform		ND		25	330
Bromomethane		ND		39	330
Carbon disulfide		ND		16	330
Carbon tetrachloride		ND		8.6	330
Chlorobenzene		ND		8.6	330
Chloroethane		ND		82	330
Chloroform		ND		12	330
Chloromethane		ND		19	330
cis-1,2-Dichloroethene		ND		9.2	330
cis-1,3-Dichloropropene		ND		11	330
Cyclohexane		ND		54	670
Chlorodibromomethane		ND		16	330
Dibromomethane		ND		19	330

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	UX81554.D
Dilution:	1.0			Initial Weight/Volume:	9.17 g
Analysis Date:	11/03/2012 0910			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		21	330
Dichlorofluoromethane		ND		33	670
Ethyl ether		ND		20	670
Ethylbenzene		ND		7.2	330
Hexachlorobutadiene		ND		19	330
Isopropylbenzene		ND		8.7	330
Methyl acetate		ND		33	670
Methyl tert butyl ether		ND		9.5	1300
Methylcyclohexane		ND		16	670
Methylene Chloride		ND		100	330
m-Xylene & p-Xylene		ND		8.3	670
Naphthalene		ND		9.0	330
n-Butylbenzene		ND		11	330
N-Propylbenzene		ND		19	330
o-Xylene		ND		11	330
p-Isopropyltoluene		ND		6.4	330
sec-Butylbenzene		ND		6.3	330
Styrene		ND		7.5	330
tert-Butylbenzene		ND		8.7	330
Tetrachloroethene		ND		16	330
Tetrahydrofuran		ND		66	1300
Toluene		ND		23	330
trans-1,2-Dichloroethene		ND		12	330
trans-1,3-Dichloropropene		ND		27	330
Trichloroethene		ND		13	330
Trichlorofluoromethane		ND		21	330
Vinyl chloride		ND		24	330

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		39 - 128
4-Bromofluorobenzene (Surr)	88		26 - 141
Dibromofluoromethane (Surr)	75		30 - 122
Toluene-d8 (Surr)	89		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **TB-001(20121030)**

Lab Sample ID: 240-17018-8TB
Client Matrix: Water

Date Sampled: 10/30/2012 0000
Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXR2861.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1537			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1537				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Allyl chloride	ND		0.35	2.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
4-Chlorotoluene	ND		0.18	1.0
p-Isopropyltoluene	ND		0.12	1.0
Acetone	2.8	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Hexachlorobutadiene	ND		0.30	1.0
Dibromomethane	ND		0.28	1.0
Bromodichloromethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **TB-001(20121030)**

Lab Sample ID: 240-17018-8TB
Client Matrix: Water

Date Sampled: 10/30/2012 0000
Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXR2861.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1537			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1537				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethyl ether	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.24	1.0
Naphthalene	0.25	J B	0.24	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
n-Butylbenzene	ND		0.12	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
N-Propylbenzene	ND		0.14	1.0
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
sec-Butylbenzene	ND		0.13	1.0
Methyl tert butyl ether	ND		0.17	2.0
Methylene Chloride	ND		0.33	1.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	ND		0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Methylcyclohexane	ND		0.13	1.0
Chlorodibromomethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		63 - 129
4-Bromofluorobenzene (Surr)	87		66 - 117
Toluene-d8 (Surr)	96		74 - 115
Dibromofluoromethane (Surr)	97		75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **MB-003(20121030)**

Lab Sample ID: 240-17018-9 Date Sampled: 10/30/2012 0000
Client Matrix: Solid Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148927.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	11/05/2012 2101			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		9.1	250
1,1,1-Trichloroethane		ND		21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		39	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,1-Dichloropropene		ND		10	250
1,2,3-Trichlorobenzene		ND		10	250
1,2,3-Trichloropropane		ND		21	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2,4-Trimethylbenzene		ND		5.0	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dibromoethane		ND		10	250
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3,5-Trimethylbenzene		ND		5.8	250
1,3-Dichlorobenzene		ND		4.8	250
1,3-Dichloropropane		ND		22	250
1,4-Dichlorobenzene		ND		8.0	250
2,2-Dichloropropane		ND		23	250
2-Butanone (MEK)		ND		43	1000
2-Chlorotoluene		ND		9.0	250
2-Hexanone		ND		20	1000
Allyl chloride		ND		53	500
4-Chlorotoluene		ND		9.9	250
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromobenzene		ND		13	250
Bromochloromethane		ND		13	250
Bromodichloromethane		ND		9.9	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		ND		6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Cyclohexane		ND		40	500
Chlorodibromomethane		ND		12	250
Dibromomethane		ND		14	250

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **MB-003(20121030)**

Lab Sample ID: 240-17018-9 Date Sampled: 10/30/2012 0000
Client Matrix: Solid Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148927.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Analysis Date:	11/05/2012 2101			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		16	250
Dichlorofluoromethane		ND		25	500
Ethyl ether		ND		15	500
Ethylbenzene		ND		5.4	250
Hexachlorobutadiene		ND		14	250
Isopropylbenzene		ND		6.5	250
Methyl acetate		ND		25	500
Methyl tert butyl ether		ND		7.1	1000
Methylcyclohexane		ND		12	500
Methylene Chloride		ND		77	250
m-Xylene & p-Xylene		ND		6.2	500
Naphthalene		ND		6.7	250
n-Butylbenzene		ND		8.0	250
N-Propylbenzene		ND		14	250
o-Xylene		ND		8.5	250
p-Isopropyltoluene		ND		4.8	250
sec-Butylbenzene		ND		4.7	250
Styrene		ND		5.6	250
tert-Butylbenzene		ND		6.5	250
Tetrachloroethene		ND		12	250
Tetrahydrofuran		ND		49	1000
Toluene		21	J	17	250
trans-1,2-Dichloroethene		ND		9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		ND		9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		39 - 128
4-Bromofluorobenzene (Surr)	96		26 - 141
Dibromofluoromethane (Surr)	90		30 - 122
Toluene-d8 (Surr)	107		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148928.D
Dilution:	1.0			Initial Weight/Volume:	9.586 g
Analysis Date:	11/05/2012 2123			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		14	370
1,1,1-Trichloroethane		ND		31	370
1,1,2,2-Tetrachloroethane		ND		13	370
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		58	370
1,1,2-Trichloroethane		ND		18	370
1,1-Dichloroethane		ND		25	370
1,1-Dichloroethene		ND		27	370
1,1-Dichloropropene		ND		15	370
1,2,3-Trichlorobenzene		ND		15	370
1,2,3-Trichloropropane		ND		31	370
1,2,4-Trichlorobenzene		ND		11	370
1,2,4-Trimethylbenzene		ND		7.4	370
1,2-Dibromo-3-Chloropropane		ND		74	740
1,2-Dibromoethane		ND		15	370
1,2-Dichlorobenzene		ND		13	370
1,2-Dichloroethane		ND		15	370
1,2-Dichloropropane		ND		12	370
1,3,5-Trimethylbenzene		ND		8.6	370
1,3-Dichlorobenzene		ND		7.1	370
1,3-Dichloropropane		ND		33	370
1,4-Dichlorobenzene		ND		12	370
2,2-Dichloropropane		ND		34	370
2-Butanone (MEK)		ND		64	1500
2-Chlorotoluene		ND		13	370
2-Hexanone		ND		30	1500
Allyl chloride		ND		79	740
4-Chlorotoluene		ND		15	370
4-Methyl-2-pentanone (MIBK)		ND		71	1500
Acetone		ND		250	1500
Benzene		ND		18	370
Bromobenzene		ND		19	370
Bromochloromethane		ND		19	370
Bromodichloromethane		ND		15	370
Bromoform		ND		28	370
Bromomethane		ND		43	370
Carbon disulfide		ND		18	370
Carbon tetrachloride		ND		9.5	370
Chlorobenzene		ND		9.5	370
Chloroethane		ND		91	370
Chloroform		ND		13	370
Chloromethane		ND		21	370
cis-1,2-Dichloroethene		ND		10	370
cis-1,3-Dichloropropene		ND		12	370
Cyclohexane		ND		59	740
Chlorodibromomethane		ND		18	370
Dibromomethane		ND		21	370

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148928.D
Dilution:	1.0			Initial Weight/Volume:	9.586 g
Analysis Date:	11/05/2012 2123			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		24	370
Dichlorofluoromethane		ND		37	740
Ethyl ether		ND		22	740
Ethylbenzene		ND		8.0	370
Hexachlorobutadiene		ND		21	370
Isopropylbenzene		ND		9.7	370
Methyl acetate		ND		37	740
Methyl tert butyl ether		ND		11	1500
Methylcyclohexane		ND		18	740
Methylene Chloride		ND		110	370
m-Xylene & p-Xylene		ND		9.2	740
Naphthalene		ND		10	370
n-Butylbenzene		ND		12	370
N-Propylbenzene		ND		21	370
o-Xylene		ND		13	370
p-Isopropyltoluene		ND		7.1	370
sec-Butylbenzene		ND		7.0	370
Styrene		ND		8.3	370
tert-Butylbenzene		ND		9.7	370
Tetrachloroethene		ND		18	370
Tetrahydrofuran		ND		73	1500
Toluene		ND		25	370
trans-1,2-Dichloroethene		ND		14	370
trans-1,3-Dichloropropene		ND		30	370
Trichloroethene		ND		14	370
Trichlorofluoromethane		ND		24	370
Vinyl chloride		ND		27	370

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83		39 - 128
4-Bromofluorobenzene (Surr)	77		26 - 141
Dibromofluoromethane (Surr)	66		30 - 122
Toluene-d8 (Surr)	77		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315
Client Matrix: Solid % Moisture: 21.1 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148929.D
Dilution:	1.0			Initial Weight/Volume:	10.285 g
Analysis Date:	11/05/2012 2144			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	310
1,1,1-Trichloroethane		ND		26	310
1,1,2,2-Tetrachloroethane		ND		11	310
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		48	310
1,1,2-Trichloroethane		ND		15	310
1,1-Dichloroethane		ND		21	310
1,1-Dichloroethene		ND		22	310
1,1-Dichloropropene		ND		12	310
1,2,3-Trichlorobenzene		ND		12	310
1,2,3-Trichloropropane		ND		26	310
1,2,4-Trichlorobenzene		ND		9.0	310
1,2,4-Trimethylbenzene		ND		6.2	310
1,2-Dibromo-3-Chloropropane		ND		62	620
1,2-Dibromoethane		ND		12	310
1,2-Dichlorobenzene		ND		11	310
1,2-Dichloroethane		ND		12	310
1,2-Dichloropropane		ND		10	310
1,3,5-Trimethylbenzene		ND		7.1	310
1,3-Dichlorobenzene		ND		5.9	310
1,3-Dichloropropane		ND		27	310
1,4-Dichlorobenzene		ND		9.9	310
2,2-Dichloropropane		ND		28	310
2-Butanone (MEK)		ND		53	1200
2-Chlorotoluene		ND		11	310
2-Hexanone		ND		25	1200
Allyl chloride		ND		65	620
4-Chlorotoluene		ND		12	310
4-Methyl-2-pentanone (MIBK)		ND		59	1200
Acetone		ND		210	1200
Benzene		ND		15	310
Bromobenzene		ND		16	310
Bromochloromethane		ND		16	310
Bromodichloromethane		ND		12	310
Bromoform		ND		23	310
Bromomethane		ND		36	310
Carbon disulfide		ND		15	310
Carbon tetrachloride		ND		7.9	310
Chlorobenzene		ND		7.9	310
Chloroethane		ND		75	310
Chloroform		ND		11	310
Chloromethane		ND		17	310
cis-1,2-Dichloroethene		ND		8.5	310
cis-1,3-Dichloropropene		ND		9.7	310
Cyclohexane		ND		49	620
Chlorodibromomethane		ND		15	310
Dibromomethane		ND		17	310

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315
Client Matrix: Solid % Moisture: 21.1 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148929.D
Dilution:	1.0			Initial Weight/Volume:	10.285 g
Analysis Date:	11/05/2012 2144			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		20	310
Dichlorofluoromethane		ND		31	620
Ethyl ether		ND		18	620
Ethylbenzene		ND		6.7	310
Hexachlorobutadiene		ND		17	310
Isopropylbenzene		ND		8.0	310
Methyl acetate		ND		31	620
Methyl tert butyl ether		ND		8.7	1200
Methylcyclohexane		ND		15	620
Methylene Chloride		ND		95	310
m-Xylene & p-Xylene		ND		7.6	620
Naphthalene		ND		8.3	310
n-Butylbenzene		ND		9.9	310
N-Propylbenzene		ND		17	310
o-Xylene		ND		10	310
p-Isopropyltoluene		ND		5.9	310
sec-Butylbenzene		ND		5.8	310
Styrene		ND		6.9	310
tert-Butylbenzene		ND		8.0	310
Tetrachloroethene		ND		15	310
Tetrahydrofuran		ND		60	1200
Toluene		ND		21	310
trans-1,2-Dichloroethene		ND		11	310
trans-1,3-Dichloropropene		ND		25	310
Trichloroethene		ND		12	310
Trichlorofluoromethane		ND		20	310
Vinyl chloride		ND		22	310

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		39 - 128
4-Bromofluorobenzene (Surr)	83		26 - 141
Dibromofluoromethane (Surr)	74		30 - 122
Toluene-d8 (Surr)	87		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148930.D
Dilution:	1.0			Initial Weight/Volume:	10.369 g
Analysis Date:	11/05/2012 2206			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		11	300
1,1,1-Trichloroethane		ND		25	300
1,1,2,2-Tetrachloroethane		ND		11	300
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		47	300
1,1,2-Trichloroethane		ND		14	300
1,1-Dichloroethane		ND		20	300
1,1-Dichloroethene		ND		22	300
1,1-Dichloropropene		ND		12	300
1,2,3-Trichlorobenzene		ND		12	300
1,2,3-Trichloropropane		ND		25	300
1,2,4-Trichlorobenzene		ND		8.8	300
1,2,4-Trimethylbenzene		ND		6.0	300
1,2-Dibromo-3-Chloropropane		ND		60	600
1,2-Dibromoethane		ND		12	300
1,2-Dichlorobenzene		ND		10	300
1,2-Dichloroethane		ND		12	300
1,2-Dichloropropane		ND		9.9	300
1,3,5-Trimethylbenzene		ND		7.0	300
1,3-Dichlorobenzene		ND		5.8	300
1,3-Dichloropropane		ND		26	300
1,4-Dichlorobenzene		ND		9.6	300
2,2-Dichloropropane		ND		28	300
2-Butanone (MEK)		ND		52	1200
2-Chlorotoluene		ND		11	300
2-Hexanone		ND		24	1200
Allyl chloride		ND		64	600
4-Chlorotoluene		ND		12	300
4-Methyl-2-pentanone (MIBK)		ND		58	1200
Acetone		ND		200	1200
Benzene		ND		14	300
Bromobenzene		ND		16	300
Bromochloromethane		ND		16	300
Bromodichloromethane		ND		12	300
Bromoform		ND		23	300
Bromomethane		ND		35	300
Carbon disulfide		ND		14	300
Carbon tetrachloride		ND		7.7	300
Chlorobenzene		ND		7.7	300
Chloroethane		ND		73	300
Chloroform		ND		11	300
Chloromethane		ND		17	300
cis-1,2-Dichloroethene		ND		8.3	300
cis-1,3-Dichloropropene		ND		9.5	300
Cyclohexane		ND		48	600
Chlorodibromomethane		ND		14	300
Dibromomethane		ND		17	300

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148930.D
Dilution:	1.0			Initial Weight/Volume:	10.369 g
Analysis Date:	11/05/2012 2206			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		19	300
Dichlorofluoromethane		ND		30	600
Ethyl ether		ND		18	600
Ethylbenzene		ND		6.5	300
Hexachlorobutadiene		ND		17	300
Isopropylbenzene		ND		7.8	300
Methyl acetate		ND		30	600
Methyl tert butyl ether		ND		8.5	1200
Methylcyclohexane		ND		14	600
Methylene Chloride		ND		93	300
m-Xylene & p-Xylene		ND		7.5	600
Naphthalene		ND		8.1	300
n-Butylbenzene		ND		9.6	300
N-Propylbenzene		ND		17	300
o-Xylene		ND		10	300
p-Isopropyltoluene		ND		5.8	300
sec-Butylbenzene		ND		5.7	300
Styrene		ND		6.7	300
tert-Butylbenzene		ND		7.8	300
Tetrachloroethene		ND		14	300
Tetrahydrofuran		ND		59	1200
Toluene		ND		20	300
trans-1,2-Dichloroethene		ND		11	300
trans-1,3-Dichloropropene		ND		24	300
Trichloroethene		ND		12	300
Trichlorofluoromethane		ND		19	300
Vinyl chloride		ND		22	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		39 - 128
4-Bromofluorobenzene (Surr)	87		26 - 141
Dibromofluoromethane (Surr)	79		30 - 122
Toluene-d8 (Surr)	93		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400
Client Matrix: Solid % Moisture: 22.0 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148931.D
Dilution:	1.0			Initial Weight/Volume:	9.395 g
Analysis Date:	11/05/2012 2227			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		12	340
1,1,1-Trichloroethane		ND		29	340
1,1,2,2-Tetrachloroethane		ND		12	340
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		53	340
1,1,2-Trichloroethane		ND		16	340
1,1-Dichloroethane		ND		23	340
1,1-Dichloroethene		ND		25	340
1,1-Dichloropropene		ND		14	340
1,2,3-Trichlorobenzene		ND		14	340
1,2,3-Trichloropropane		ND		29	340
1,2,4-Trichlorobenzene		ND		10	340
1,2,4-Trimethylbenzene		ND		6.8	340
1,2-Dibromo-3-Chloropropane		ND		68	680
1,2-Dibromoethane		ND		14	340
1,2-Dichlorobenzene		ND		12	340
1,2-Dichloroethane		ND		14	340
1,2-Dichloropropane		ND		11	340
1,3,5-Trimethylbenzene		ND		7.9	340
1,3-Dichlorobenzene		ND		6.6	340
1,3-Dichloropropane		ND		30	340
1,4-Dichlorobenzene		ND		11	340
2,2-Dichloropropane		ND		31	340
2-Butanone (MEK)		ND		59	1400
2-Chlorotoluene		ND		12	340
2-Hexanone		ND		27	1400
Allyl chloride		ND		72	680
4-Chlorotoluene		ND		14	340
4-Methyl-2-pentanone (MIBK)		ND		66	1400
Acetone		ND		230	1400
Benzene		ND		16	340
Bromobenzene		ND		18	340
Bromochloromethane		ND		18	340
Bromodichloromethane		ND		14	340
Bromoform		ND		26	340
Bromomethane		ND		40	340
Carbon disulfide		ND		16	340
Carbon tetrachloride		ND		8.7	340
Chlorobenzene		ND		8.7	340
Chloroethane		ND		83	340
Chloroform		ND		12	340
Chloromethane		ND		19	340
cis-1,2-Dichloroethene		ND		9.4	340
cis-1,3-Dichloropropene		ND		11	340
Cyclohexane		ND		55	680
Chlorodibromomethane		ND		16	340
Dibromomethane		ND		19	340

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400
Client Matrix: Solid % Moisture: 22.0 Date Received: 10/31/2012 1616

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-63864	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-63576	Lab File ID:	148931.D
Dilution:	1.0			Initial Weight/Volume:	9.395 g
Analysis Date:	11/05/2012 2227			Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		ND		22	340
Dichlorofluoromethane		ND		34	680
Ethyl ether		ND		20	680
Ethylbenzene		ND		7.4	340
Hexachlorobutadiene		ND		19	340
Isopropylbenzene		ND		8.9	340
Methyl acetate		330	J	34	680
Methyl tert butyl ether		ND		9.7	1400
Methylcyclohexane		ND		16	680
Methylene Chloride		ND		110	340
m-Xylene & p-Xylene		ND		8.5	680
Naphthalene		ND		9.1	340
n-Butylbenzene		ND		11	340
N-Propylbenzene		ND		19	340
o-Xylene		ND		12	340
p-Isopropyltoluene		ND		6.6	340
sec-Butylbenzene		ND		6.4	340
Styrene		ND		7.6	340
tert-Butylbenzene		ND		8.9	340
Tetrachloroethene		ND		16	340
Tetrahydrofuran		ND		67	1400
Toluene		ND		23	340
trans-1,2-Dichloroethene		ND		13	340
trans-1,3-Dichloropropene		ND		27	340
Trichloroethene		ND		13	340
Trichlorofluoromethane		ND		22	340
Vinyl chloride		ND		25	340

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		39 - 128
4-Bromofluorobenzene (Surr)	85		26 - 141
Dibromofluoromethane (Surr)	74		30 - 122
Toluene-d8 (Surr)	89		33 - 134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-63620	Lab File ID:	21106009.D
Dilution:	1.0			Initial Weight/Volume:	720 mL
Analysis Date:	11/06/2012 1110			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	0.28
Acenaphthylene	ND		0.14	0.28
Acetophenone	ND		0.47	1.4
Anthracene	ND		0.14	0.28
Atrazine	ND		0.47	1.4
Benzaldehyde	ND		0.54	1.4
Benzo[a]anthracene	ND		0.14	0.28
Benzo[b]fluoranthene	ND		0.14	0.28
Benzo[k]fluoranthene	ND		0.14	0.28
Benzo[g,h,i]perylene	ND		0.14	0.28
Benzo[a]pyrene	ND		0.14	0.28
Butyl benzyl phthalate	ND		1.1	1.4
1,1'-Biphenyl	ND		1.1	1.4
Bis(2-chloroethoxy)methane	ND		0.44	1.4
Bis(2-chloroethyl)ether	ND		0.14	1.4
Bis(2-ethylhexyl) phthalate	1.1	J	1.1	2.8
4-Bromophenyl phenyl ether	ND		1.1	2.8
Caprolactam	ND		1.1	6.9
Carbazole	ND		0.39	1.4
4-Chloroaniline	ND		1.1	2.8
4-Chloro-3-methylphenol	ND		1.1	2.8
2-Chloronaphthalene	ND		0.14	1.4
2-Chlorophenol	ND		0.40	1.4
4-Chlorophenyl phenyl ether	ND		0.42	2.8
Chrysene	ND		0.14	0.28
2-Methylnaphthalene	ND		0.14	0.28
3 & 4 Methylphenol	ND		1.0	2.8
Dibenz(a,h)anthracene	ND		0.14	0.28
Dibenzofuran	ND		0.14	1.4
3,3'-Dichlorobenzidine	ND		0.51	6.9
2,4-Dichlorophenol	ND		1.1	2.8
Diethyl phthalate	ND		0.83	1.4
2,4-Dimethylphenol	ND		1.1	2.8
Dimethyl phthalate	ND		0.40	1.4
4,6-Dinitro-2-methylphenol	ND		3.3	6.9
2,4-Dinitrophenol	ND		3.3	6.9
2,4-Dinitrotoluene	ND		0.38	6.9
Di-n-butyl phthalate	ND		0.93	1.4
Di-n-octyl phthalate	ND		1.1	1.4
Fluoranthene	ND		0.14	0.28
Fluorene	ND		0.14	0.28
Hexachlorobenzene	ND		0.14	0.28
Hexachlorobutadiene	ND		0.38	1.4
Hexachlorocyclopentadiene	ND		1.1	14
Hexachloroethane	ND		1.1	1.4
Indeno[1,2,3-cd]pyrene	ND		0.14	0.28

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Prep Method:	3520C	Prep Batch:	240-63620	Lab File ID:	21106009.D
Dilution:	1.0			Initial Weight/Volume:	720 mL
Analysis Date:	11/06/2012 1110			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Isophorone	ND		0.38	1.4
2-Methylphenol	ND		1.1	1.4
Naphthalene	ND		0.14	0.28
2-Nitroaniline	ND		1.1	2.8
3-Nitroaniline	ND		0.39	2.8
4-Nitroaniline	ND		1.1	2.8
Nitrobenzene	ND		0.056	1.4
2-Nitrophenol	ND		0.39	2.8
4-Nitrophenol	ND		3.3	6.9
N-Nitrosodiphenylamine	ND		0.43	1.4
N-Nitrosodi-n-propylamine	ND		1.1	1.4
2,2'-oxybis[1-chloropropane]	ND		0.56	1.4
Pentachlorophenol	ND		3.3	6.9
Phenanthrene	ND		0.14	0.28
Phenol	ND		0.83	1.4
Pyrene	ND		0.14	0.28
2,4,5-Trichlorophenol	ND		0.42	6.9
2,4,6-Trichlorophenol	ND		1.1	6.9
2,6-Dinitrotoluene	ND		1.1	6.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		20 - 110
2-Fluorophenol (Surr)	67		10 - 110
2,4,6-Tribromophenol (Surr)	67		21 - 110
Nitrobenzene-d5 (Surr)	64		21 - 110
Phenol-d5 (Surr)	67		21 - 110
Terphenyl-d14 (Surr)	45		24 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108026.D
Dilution:	1.0			Initial Weight/Volume:	30.41 g
Analysis Date:	11/08/2012 1653			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		31	380
2,2'-oxybis[1-chloropropane]		ND		11	380
2,4,5-Trichlorophenol		ND		29	380
2,4,6-Trichlorophenol		ND		93	380
2,4-Dichlorophenol		ND		23	380
2,4-Dimethylphenol		ND		23	380
2,4-Dinitrophenol		ND		93	1900
2,4-Dinitrotoluene		ND		31	380
2,6-Dinitrotoluene		ND		24	380
2-Chloronaphthalene		ND		3.8	380
2-Chlorophenol		ND		31	380
2-Methylnaphthalene		7.7	J	3.8	380
2-Methylphenol		ND		93	380
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		31	380
3,3'-Dichlorobenzidine		ND		21	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		93	1900
4-Bromophenyl phenyl ether		ND		15	380
4-Chloro-3-methylphenol		ND		24	380
4-Chloroaniline		ND		20	380
4-Chlorophenyl phenyl ether		ND		15	380
4-Nitroaniline		ND		30	1900
4-Nitrophenol		ND		93	1900
Acenaphthene		23	J	3.8	380
Acenaphthylene		6.4	J	3.8	380
Acetophenone		ND		11	380
Anthracene		66	J	3.8	380
Atrazine		ND		11	380
Benzaldehyde		ND		14	380
Benzo[a]anthracene		150	J	3.8	380
Benzo[a]pyrene		120	J	3.8	380
Benzo[b]fluoranthene		170	J	3.8	380
Benzo[g,h,i]perylene		91	J	3.8	380
Benzo[k]fluoranthene		86	J	3.8	380
Bis(2-chloroethoxy)methane		ND		25	380
Bis(2-chloroethyl)ether		ND		2.3	380
Bis(2-ethylhexyl) phthalate		39	J	22	380
Butyl benzyl phthalate		ND		12	380
Caprolactam		ND		43	380
Carbazole		ND		31	380
Chrysene		180	J	1.3	380
Dibenz(a,h)anthracene		28	J	3.8	380
Dibenzofuran		14	J	3.8	380
Diethyl phthalate		31	J	19	380
Dimethyl phthalate		ND		20	380

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108026.D
Dilution:	1.0			Initial Weight/Volume:	30.41 g
Analysis Date:	11/08/2012 1653			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		17	380
Di-n-octyl phthalate		ND		31	380
Fluoranthene		320	J	3.8	380
Fluorene		26	J	3.8	380
Hexachlorobenzene		ND		2.4	380
Hexachlorobutadiene		ND		31	380
Hexachlorocyclopentadiene		ND		31	1900
Hexachloroethane		ND		10	380
Indeno[1,2,3-cd]pyrene		68	J	3.8	380
Isophorone		ND		15	380
Naphthalene		7.9	J	3.8	380
Nitrobenzene		ND		2.5	380
N-Nitrosodi-n-propylamine		ND		31	380
N-Nitrosodiphenylamine		ND		24	380
Pentachlorophenol		ND		93	380
Phenol		ND		31	380
Phenanthrene		220	J	3.8	380
Pyrene		260	J	3.8	380
3 & 4 Methylphenol		ND		23	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	59		24 - 110
2-Fluorophenol (Surr)	65		24 - 110
2,4,6-Tribromophenol (Surr)	63		10 - 110
Nitrobenzene-d5 (Surr)	57		20 - 110
Phenol-d5 (Surr)	65		26 - 110
Terphenyl-d14 (Surr)	71		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035
Client Matrix: Solid % Moisture: 32.7 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108027.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	11/08/2012 1712			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		40	490
2,2'-oxybis[1-chloropropane]		ND		14	490
2,4,5-Trichlorophenol		ND		37	490
2,4,6-Trichlorophenol		ND		120	490
2,4-Dichlorophenol		ND		30	490
2,4-Dimethylphenol		ND		30	490
2,4-Dinitrophenol		ND		120	2400
2,4-Dinitrotoluene		ND		40	490
2,6-Dinitrotoluene		ND		31	490
2-Chloronaphthalene		ND		4.9	490
2-Chlorophenol		ND		40	490
2-Methylnaphthalene		ND		4.9	490
2-Methylphenol		ND		120	490
2-Nitroaniline		ND		13	2400
2-Nitrophenol		ND		40	490
3,3'-Dichlorobenzidine		ND		27	2400
3-Nitroaniline		ND		24	2400
4,6-Dinitro-2-methylphenol		ND		120	2400
4-Bromophenyl phenyl ether		ND		19	490
4-Chloro-3-methylphenol		ND		31	490
4-Chloroaniline		ND		25	490
4-Chlorophenyl phenyl ether		ND		19	490
4-Nitroaniline		ND		38	2400
4-Nitrophenol		ND		120	2400
Acenaphthene		ND		4.9	490
Acenaphthylene		ND		4.9	490
Acetophenone		ND		14	490
Anthracene		ND		4.9	490
Atrazine		ND		13	490
Benzaldehyde		ND		18	490
Benzo[a]anthracene		ND		4.9	490
Benzo[a]pyrene		ND		4.9	490
Benzo[b]fluoranthene		ND		4.9	490
Benzo[g,h,i]perylene		ND		4.9	490
Benzo[k]fluoranthene		ND		4.9	490
Bis(2-chloroethoxy)methane		ND		33	490
Bis(2-chloroethyl)ether		ND		3.0	490
Bis(2-ethylhexyl) phthalate		36	J	28	490
Butyl benzyl phthalate		ND		15	490
Caprolactam		ND		55	490
Carbazole		ND		40	490
Chrysene		ND		1.6	490
Dibenz(a,h)anthracene		ND		4.9	490
Dibenzofuran		ND		4.9	490
Diethyl phthalate		62	J	24	490
Dimethyl phthalate		ND		25	490

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035
Client Matrix: Solid % Moisture: 32.7 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108027.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	11/08/2012 1712			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		22	490
Di-n-octyl phthalate		ND		40	490
Fluoranthene		12	J	4.9	490
Fluorene		ND		4.9	490
Hexachlorobenzene		ND		3.1	490
Hexachlorobutadiene		ND		40	490
Hexachlorocyclopentadiene		ND		40	2400
Hexachloroethane		ND		13	490
Indeno[1,2,3-cd]pyrene		ND		4.9	490
Isophorone		ND		19	490
Naphthalene		ND		4.9	490
Nitrobenzene		ND		3.3	490
N-Nitrosodi-n-propylamine		ND		40	490
N-Nitrosodiphenylamine		ND		31	490
Pentachlorophenol		ND		120	490
Phenol		ND		40	490
Phenanthrene		ND		4.9	490
Pyrene		10	J	4.9	490
3 & 4 Methylphenol		ND		30	590

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		24 - 110
2-Fluorophenol (Surr)	63		24 - 110
2,4,6-Tribromophenol (Surr)	68		10 - 110
Nitrobenzene-d5 (Surr)	54		20 - 110
Phenol-d5 (Surr)	65		26 - 110
Terphenyl-d14 (Surr)	70		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115
Client Matrix: Solid % Moisture: 26.7 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108028.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	11/08/2012 1732			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		37	450
2,2'-oxybis[1-chloropropane]		ND		13	450
2,4,5-Trichlorophenol		ND		34	450
2,4,6-Trichlorophenol		ND		110	450
2,4-Dichlorophenol		ND		27	450
2,4-Dimethylphenol		ND		27	450
2,4-Dinitrophenol		ND		110	2200
2,4-Dinitrotoluene		ND		37	450
2,6-Dinitrotoluene		ND		29	450
2-Chloronaphthalene		ND		4.5	450
2-Chlorophenol		ND		37	450
2-Methylnaphthalene		26	J	4.5	450
2-Methylphenol		ND		110	450
2-Nitroaniline		ND		12	2200
2-Nitrophenol		ND		37	450
3,3'-Dichlorobenzidine		ND		25	2200
3-Nitroaniline		ND		22	2200
4,6-Dinitro-2-methylphenol		ND		110	2200
4-Bromophenyl phenyl ether		ND		18	450
4-Chloro-3-methylphenol		ND		29	450
4-Chloroaniline		ND		23	450
4-Chlorophenyl phenyl ether		ND		18	450
4-Nitroaniline		ND		35	2200
4-Nitrophenol		ND		110	2200
Acenaphthene		50	J	4.5	450
Acenaphthylene		8.8	J	4.5	450
Acetophenone		ND		13	450
Anthracene		140	J	4.5	450
Atrazine		ND		12	450
Benzaldehyde		ND		16	450
Benzo[a]anthracene		270	J	4.5	450
Benzo[a]pyrene		190	J	4.5	450
Benzo[b]fluoranthene		230	J	4.5	450
Benzo[g,h,i]perylene		100	J	4.5	450
Benzo[k]fluoranthene		120	J	4.5	450
Bis(2-chloroethoxy)methane		ND		30	450
Bis(2-chloroethyl)ether		ND		2.7	450
Bis(2-ethylhexyl) phthalate		ND		26	450
Butyl benzyl phthalate		ND		14	450
Caprolactam		ND		51	450
Carbazole		41	J	37	450
Chrysene		250	J	1.5	450
Dibenz(a,h)anthracene		31	J	4.5	450
Dibenzofuran		22	J	4.5	450
Diethyl phthalate		35	J	22	450
Dimethyl phthalate		ND		23	450

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115
Client Matrix: Solid % Moisture: 26.7 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108028.D
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Analysis Date:	11/08/2012 1732			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		20	450
Di-n-octyl phthalate		ND		37	450
Fluoranthene		560		4.5	450
Fluorene		53	J	4.5	450
Hexachlorobenzene		ND		2.9	450
Hexachlorobutadiene		ND		37	450
Hexachlorocyclopentadiene		ND		37	2200
Hexachloroethane		ND		12	450
Indeno[1,2,3-cd]pyrene		86	J	4.5	450
Isophorone		ND		18	450
Naphthalene		14	J	4.5	450
Nitrobenzene		ND		3.0	450
N-Nitrosodi-n-propylamine		ND		37	450
N-Nitrosodiphenylamine		ND		29	450
Pentachlorophenol		ND		110	450
Phenol		ND		37	450
Phenanthrene		510		4.5	450
Pyrene		440	J	4.5	450
3 & 4 Methylphenol		ND		27	550

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		24 - 110
2-Fluorophenol (Surr)	59		24 - 110
2,4,6-Tribromophenol (Surr)	49		10 - 110
Nitrobenzene-d5 (Surr)	52		20 - 110
Phenol-d5 (Surr)	62		26 - 110
Terphenyl-d14 (Surr)	67		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108029.D
Dilution:	1.0			Initial Weight/Volume:	30.37 g
Analysis Date:	11/08/2012 1751			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		33	400
2,2'-oxybis[1-chloropropane]		ND		12	400
2,4,5-Trichlorophenol		ND		30	400
2,4,6-Trichlorophenol		ND		97	400
2,4-Dichlorophenol		ND		24	400
2,4-Dimethylphenol		ND		24	400
2,4-Dinitrophenol		ND		97	1900
2,4-Dinitrotoluene		ND		33	400
2,6-Dinitrotoluene		ND		25	400
2-Chloronaphthalene		ND		4.0	400
2-Chlorophenol		ND		33	400
2-Methylnaphthalene		7.4	J	4.0	400
2-Methylphenol		ND		97	400
2-Nitroaniline		ND		11	1900
2-Nitrophenol		ND		33	400
3,3'-Dichlorobenzidine		ND		22	1900
3-Nitroaniline		ND		19	1900
4,6-Dinitro-2-methylphenol		ND		97	1900
4-Bromophenyl phenyl ether		ND		16	400
4-Chloro-3-methylphenol		ND		25	400
4-Chloroaniline		ND		21	400
4-Chlorophenyl phenyl ether		ND		16	400
4-Nitroaniline		ND		32	1900
4-Nitrophenol		ND		97	1900
Acenaphthene		ND		4.0	400
Acenaphthylene		ND		4.0	400
Acetophenone		ND		11	400
Anthracene		ND		4.0	400
Atrazine		ND		11	400
Benzaldehyde		ND		15	400
Benzo[a]anthracene		6.1	J	4.0	400
Benzo[a]pyrene		5.2	J	4.0	400
Benzo[b]fluoranthene		5.4	J	4.0	400
Benzo[g,h,i]perylene		ND		4.0	400
Benzo[k]fluoranthene		ND		4.0	400
Bis(2-chloroethoxy)methane		ND		27	400
Bis(2-chloroethyl)ether		ND		2.4	400
Bis(2-ethylhexyl) phthalate		ND		23	400
Butyl benzyl phthalate		ND		12	400
Caprolactam		ND		45	400
Carbazole		ND		33	400
Chrysene		7.9	J	1.3	400
Dibenz(a,h)anthracene		ND		4.0	400
Dibenzofuran		ND		4.0	400
Diethyl phthalate		ND		19	400
Dimethyl phthalate		ND		21	400

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108029.D
Dilution:	1.0			Initial Weight/Volume:	30.37 g
Analysis Date:	11/08/2012 1751			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		18	400
Di-n-octyl phthalate		ND		33	400
Fluoranthene		10	J	4.0	400
Fluorene		ND		4.0	400
Hexachlorobenzene		ND		2.5	400
Hexachlorobutadiene		ND		33	400
Hexachlorocyclopentadiene		ND		33	1900
Hexachloroethane		ND		11	400
Indeno[1,2,3-cd]pyrene		ND		4.0	400
Isophorone		ND		16	400
Naphthalene		6.5	J	4.0	400
Nitrobenzene		ND		2.7	400
N-Nitrosodi-n-propylamine		ND		33	400
N-Nitrosodiphenylamine		ND		25	400
Pentachlorophenol		ND		97	400
Phenol		ND		33	400
Phenanthrene		11	J	4.0	400
Pyrene		9.5	J	4.0	400
3 & 4 Methylphenol		ND		24	480

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	55		24 - 110
2-Fluorophenol (Surr)	61		24 - 110
2,4,6-Tribromophenol (Surr)	45		10 - 110
Nitrobenzene-d5 (Surr)	53		20 - 110
Phenol-d5 (Surr)	62		26 - 110
Terphenyl-d14 (Surr)	64		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108030.D
Dilution:	1.0			Initial Weight/Volume:	30.49 g
Analysis Date:	11/08/2012 1810			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		38	460
2,2'-oxybis[1-chloropropane]		ND		13	460
2,4,5-Trichlorophenol		ND		35	460
2,4,6-Trichlorophenol		ND		110	460
2,4-Dichlorophenol		ND		28	460
2,4-Dimethylphenol		ND		28	460
2,4-Dinitrophenol		ND		110	2200
2,4-Dinitrotoluene		ND		38	460
2,6-Dinitrotoluene		ND		29	460
2-Chloronaphthalene		ND		4.6	460
2-Chlorophenol		ND		38	460
2-Methylnaphthalene		ND		4.6	460
2-Methylphenol		ND		110	460
2-Nitroaniline		ND		13	2200
2-Nitrophenol		ND		38	460
3,3'-Dichlorobenzidine		ND		25	2200
3-Nitroaniline		ND		22	2200
4,6-Dinitro-2-methylphenol		ND		110	2200
4-Bromophenyl phenyl ether		ND		18	460
4-Chloro-3-methylphenol		ND		29	460
4-Chloroaniline		ND		24	460
4-Chlorophenyl phenyl ether		ND		18	460
4-Nitroaniline		ND		36	2200
4-Nitrophenol		ND		110	2200
Acenaphthene		ND		4.6	460
Acenaphthylene		ND		4.6	460
Acetophenone		ND		13	460
Anthracene		ND		4.6	460
Atrazine		ND		13	460
Benzaldehyde		ND		17	460
Benzo[a]anthracene		13	J	4.6	460
Benzo[a]pyrene		14	J	4.6	460
Benzo[b]fluoranthene		13	J	4.6	460
Benzo[g,h,i]perylene		11	J	4.6	460
Benzo[k]fluoranthene		ND		4.6	460
Bis(2-chloroethoxy)methane		ND		31	460
Bis(2-chloroethyl)ether		ND		2.8	460
Bis(2-ethylhexyl) phthalate		ND		27	460
Butyl benzyl phthalate		ND		14	460
Caprolactam		ND		52	460
Carbazole		ND		38	460
Chrysene		18	J	1.5	460
Dibenz(a,h)anthracene		ND		4.6	460
Dibenzofuran		ND		4.6	460
Diethyl phthalate		ND		22	460
Dimethyl phthalate		ND		24	460

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108030.D
Dilution:	1.0			Initial Weight/Volume:	30.49 g
Analysis Date:	11/08/2012 1810			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		21	460
Di-n-octyl phthalate		ND		38	460
Fluoranthene		22	J	4.6	460
Fluorene		ND		4.6	460
Hexachlorobenzene		ND		2.9	460
Hexachlorobutadiene		ND		38	460
Hexachlorocyclopentadiene		ND		38	2200
Hexachloroethane		ND		13	460
Indeno[1,2,3-cd]pyrene		7.9	J	4.6	460
Isophorone		ND		18	460
Naphthalene		ND		4.6	460
Nitrobenzene		ND		3.1	460
N-Nitrosodi-n-propylamine		ND		38	460
N-Nitrosodiphenylamine		ND		29	460
Pentachlorophenol		ND		110	460
Phenol		ND		38	460
Phenanthrene		11	J	4.6	460
Pyrene		20	J	4.6	460
3 & 4 Methylphenol		ND		28	560

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	62		24 - 110
2-Fluorophenol (Surr)	66		24 - 110
2,4,6-Tribromophenol (Surr)	48		10 - 110
Nitrobenzene-d5 (Surr)	54		20 - 110
Phenol-d5 (Surr)	65		26 - 110
Terphenyl-d14 (Surr)	72		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315
Client Matrix: Solid % Moisture: 21.1 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108031.D
Dilution:	1.0			Initial Weight/Volume:	29.80 g
Analysis Date:	11/08/2012 1829			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		34	420
2,2'-oxybis[1-chloropropane]		ND		12	420
2,4,5-Trichlorophenol		ND		32	420
2,4,6-Trichlorophenol		ND		100	420
2,4-Dichlorophenol		ND		26	420
2,4-Dimethylphenol		ND		26	420
2,4-Dinitrophenol		ND		100	2000
2,4-Dinitrotoluene		ND		34	420
2,6-Dinitrotoluene		ND		27	420
2-Chloronaphthalene		ND		4.2	420
2-Chlorophenol		ND		34	420
2-Methylnaphthalene		ND		4.2	420
2-Methylphenol		ND		100	420
2-Nitroaniline		ND		12	2000
2-Nitrophenol		ND		34	420
3,3'-Dichlorobenzidine		ND		23	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		100	2000
4-Bromophenyl phenyl ether		ND		17	420
4-Chloro-3-methylphenol		ND		27	420
4-Chloroaniline		ND		22	420
4-Chlorophenyl phenyl ether		ND		17	420
4-Nitroaniline		ND		33	2000
4-Nitrophenol		ND		100	2000
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Acetophenone		ND		12	420
Anthracene		ND		4.2	420
Atrazine		ND		12	420
Benzaldehyde		ND		15	420
Benzo[a]anthracene		11	J	4.2	420
Benzo[a]pyrene		12	J	4.2	420
Benzo[b]fluoranthene		18	J	4.2	420
Benzo[g,h,i]perylene		11	J	4.2	420
Benzo[k]fluoranthene		7.9	J	4.2	420
Bis(2-chloroethoxy)methane		ND		28	420
Bis(2-chloroethyl)ether		ND		2.6	420
Bis(2-ethylhexyl) phthalate		30	J	24	420
Butyl benzyl phthalate		ND		13	420
Caprolactam		ND		47	420
Carbazole		ND		34	420
Chrysene		18	J	1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Dibenzofuran		ND		4.2	420
Diethyl phthalate		ND		20	420
Dimethyl phthalate		ND		22	420

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315
Client Matrix: Solid % Moisture: 21.1 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108031.D
Dilution:	1.0			Initial Weight/Volume:	29.80 g
Analysis Date:	11/08/2012 1829			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	420
Di-n-octyl phthalate		ND		34	420
Fluoranthene		25	J	4.2	420
Fluorene		ND		4.2	420
Hexachlorobenzene		ND		2.7	420
Hexachlorobutadiene		ND		34	420
Hexachlorocyclopentadiene		ND		34	2000
Hexachloroethane		ND		11	420
Indeno[1,2,3-cd]pyrene		8.5	J	4.2	420
Isophorone		ND		17	420
Naphthalene		6.6	J	4.2	420
Nitrobenzene		ND		2.8	420
N-Nitrosodi-n-propylamine		ND		34	420
N-Nitrosodiphenylamine		ND		27	420
Pentachlorophenol		ND		100	420
Phenol		ND		34	420
Phenanthrene		13	J	4.2	420
Pyrene		23	J	4.2	420
3 & 4 Methylphenol		ND		26	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		24 - 110
2-Fluorophenol (Surr)	62		24 - 110
2,4,6-Tribromophenol (Surr)	50		10 - 110
Nitrobenzene-d5 (Surr)	51		20 - 110
Phenol-d5 (Surr)	62		26 - 110
Terphenyl-d14 (Surr)	64		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108032.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Analysis Date:	11/08/2012 1848			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		33	410
2,2'-oxybis[1-chloropropane]		ND		12	410
2,4,5-Trichlorophenol		ND		31	410
2,4,6-Trichlorophenol		ND		99	410
2,4-Dichlorophenol		ND		25	410
2,4-Dimethylphenol		ND		25	410
2,4-Dinitrophenol		ND		99	2000
2,4-Dinitrotoluene		ND		33	410
2,6-Dinitrotoluene		ND		26	410
2-Chloronaphthalene		ND		4.1	410
2-Chlorophenol		ND		33	410
2-Methylnaphthalene		ND		4.1	410
2-Methylphenol		ND		99	410
2-Nitroaniline		ND		11	2000
2-Nitrophenol		ND		33	410
3,3'-Dichlorobenzidine		ND		22	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		99	2000
4-Bromophenyl phenyl ether		ND		16	410
4-Chloro-3-methylphenol		ND		26	410
4-Chloroaniline		ND		21	410
4-Chlorophenyl phenyl ether		ND		16	410
4-Nitroaniline		ND		32	2000
4-Nitrophenol		ND		99	2000
Acenaphthene		7.6	J	4.1	410
Acenaphthylene		ND		4.1	410
Acetophenone		ND		11	410
Anthracene		18	J	4.1	410
Atrazine		ND		11	410
Benzaldehyde		ND		15	410
Benzo[a]anthracene		42	J	4.1	410
Benzo[a]pyrene		34	J	4.1	410
Benzo[b]fluoranthene		42	J	4.1	410
Benzo[g,h,i]perylene		23	J	4.1	410
Benzo[k]fluoranthene		22	J	4.1	410
Bis(2-chloroethoxy)methane		ND		27	410
Bis(2-chloroethyl)ether		ND		2.5	410
Bis(2-ethylhexyl) phthalate		ND		24	410
Butyl benzyl phthalate		ND		12	410
Caprolactam		ND		46	410
Carbazole		ND		33	410
Chrysene		48	J	1.4	410
Dibenz(a,h)anthracene		ND		4.1	410
Dibenzofuran		ND		4.1	410
Diethyl phthalate		ND		20	410
Dimethyl phthalate		ND		21	410

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108032.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Analysis Date:	11/08/2012 1848			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	410
Di-n-octyl phthalate		ND		33	410
Fluoranthene		92	J	4.1	410
Fluorene		6.3	J	4.1	410
Hexachlorobenzene		ND		2.6	410
Hexachlorobutadiene		ND		33	410
Hexachlorocyclopentadiene		ND		33	2000
Hexachloroethane		ND		11	410
Indeno[1,2,3-cd]pyrene		19	J	4.1	410
Isophorone		ND		16	410
Naphthalene		ND		4.1	410
Nitrobenzene		ND		2.7	410
N-Nitrosodi-n-propylamine		ND		33	410
N-Nitrosodiphenylamine		ND		26	410
Pentachlorophenol		ND		99	410
Phenol		ND		33	410
Phenanthrene		70	J	4.1	410
Pyrene		77	J	4.1	410
3 & 4 Methylphenol		ND		25	500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		24 - 110
2-Fluorophenol (Surr)	63		24 - 110
2,4,6-Tribromophenol (Surr)	43		10 - 110
Nitrobenzene-d5 (Surr)	55		20 - 110
Phenol-d5 (Surr)	62		26 - 110
Terphenyl-d14 (Surr)	65		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400
Client Matrix: Solid % Moisture: 22.0 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108033.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	11/08/2012 1907			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		34	420
2,2'-oxybis[1-chloropropane]		ND		12	420
2,4,5-Trichlorophenol		ND		32	420
2,4,6-Trichlorophenol		ND		100	420
2,4-Dichlorophenol		ND		26	420
2,4-Dimethylphenol		ND		26	420
2,4-Dinitrophenol		ND		100	2000
2,4-Dinitrotoluene		ND		34	420
2,6-Dinitrotoluene		ND		27	420
2-Chloronaphthalene		ND		4.2	420
2-Chlorophenol		ND		34	420
2-Methylnaphthalene		ND		4.2	420
2-Methylphenol		ND		100	420
2-Nitroaniline		ND		12	2000
2-Nitrophenol		ND		34	420
3,3'-Dichlorobenzidine		ND		23	2000
3-Nitroaniline		ND		20	2000
4,6-Dinitro-2-methylphenol		ND		100	2000
4-Bromophenyl phenyl ether		ND		17	420
4-Chloro-3-methylphenol		ND		27	420
4-Chloroaniline		ND		22	420
4-Chlorophenyl phenyl ether		ND		17	420
4-Nitroaniline		ND		33	2000
4-Nitrophenol		ND		100	2000
Acenaphthene		ND		4.2	420
Acenaphthylene		ND		4.2	420
Acetophenone		ND		12	420
Anthracene		ND		4.2	420
Atrazine		ND		12	420
Benzaldehyde		ND		15	420
Benzo[a]anthracene		ND		4.2	420
Benzo[a]pyrene		ND		4.2	420
Benzo[b]fluoranthene		ND		4.2	420
Benzo[g,h,i]perylene		ND		4.2	420
Benzo[k]fluoranthene		ND		4.2	420
Bis(2-chloroethoxy)methane		ND		28	420
Bis(2-chloroethyl)ether		ND		2.6	420
Bis(2-ethylhexyl) phthalate		ND		24	420
Butyl benzyl phthalate		ND		13	420
Caprolactam		ND		47	420
Carbazole		ND		34	420
Chrysene		ND		1.4	420
Dibenz(a,h)anthracene		ND		4.2	420
Dibenzofuran		ND		4.2	420
Diethyl phthalate		ND		20	420
Dimethyl phthalate		ND		22	420

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400
Client Matrix: Solid % Moisture: 22.0 Date Received: 10/31/2012 1616

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-63795	Lab File ID:	21108033.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Analysis Date:	11/08/2012 1907			Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		ND		19	420
Di-n-octyl phthalate		ND		34	420
Fluoranthene		ND		4.2	420
Fluorene		ND		4.2	420
Hexachlorobenzene		ND		2.7	420
Hexachlorobutadiene		ND		34	420
Hexachlorocyclopentadiene		ND		34	2000
Hexachloroethane		ND		11	420
Indeno[1,2,3-cd]pyrene		ND		4.2	420
Isophorone		ND		17	420
Naphthalene		ND		4.2	420
Nitrobenzene		ND		2.8	420
N-Nitrosodi-n-propylamine		ND		34	420
N-Nitrosodiphenylamine		ND		27	420
Pentachlorophenol		ND		100	420
Phenol		150	J	34	420
Phenanthrene		ND		4.2	420
Pyrene		ND		4.2	420
3 & 4 Methylphenol		ND		26	510

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	47		24 - 110
2-Fluorophenol (Surr)	55		24 - 110
2,4,6-Tribromophenol (Surr)	55		10 - 110
Nitrobenzene-d5 (Surr)	45		20 - 110
Phenol-d5 (Surr)	56		26 - 110
Terphenyl-d14 (Surr)	62		36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-63739	Instrument ID:	A2HP11
Prep Method:	3510C	Prep Batch:	240-63627	Initial Weight/Volume:	940 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/05/2012 1155			Injection Volume:	1 uL
Prep Date:	11/02/2012 1101			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.047	0.21
Aroclor-1221	ND		0.048	0.21
Aroclor-1232	ND		0.078	0.21
Aroclor-1242	ND		0.064	0.21
Aroclor-1248	ND		0.065	0.21
Aroclor-1254	ND		0.034	0.21
Aroclor-1260	ND		0.040	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		35 - 137
DCB Decachlorobiphenyl	7	X	10 - 140

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Prep Method:	3540C	Prep Batch:	240-63789	Initial Weight/Volume:	29.92 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/07/2012 1207			Injection Volume:	1 uL
Prep Date:	11/05/2012 1044			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		16	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		29 - 151
DCB Decachlorobiphenyl	72		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-64217	Instrument ID:	A2HP11
Prep Method:	3540C	Prep Batch:	240-63789	Initial Weight/Volume:	29.69 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/08/2012 1037			Injection Volume:	1 uL
Prep Date:	11/05/2012 1044			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		17	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		29 - 151
DCB Decachlorobiphenyl	87		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Prep Method:	3540C	Prep Batch:	240-63789	Initial Weight/Volume:	29.93 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/07/2012 1234			Injection Volume:	1 uL
Prep Date:	11/05/2012 1044			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		30	47
Aroclor-1221		ND		23	47
Aroclor-1232		ND		20	47
Aroclor-1242		ND		19	47
Aroclor-1248		ND		24	47
Aroclor-1254		ND		24	47
Aroclor-1260		ND		24	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		29 - 151
DCB Decachlorobiphenyl	69		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Prep Method:	3540C	Prep Batch:	240-63789	Initial Weight/Volume:	30.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/07/2012 1247			Injection Volume:	1 uL
Prep Date:	11/05/2012 1044			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		17	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		29 - 151
DCB Decachlorobiphenyl	78		14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64336	Instrument ID:	A2HP5F
Prep Method:	3510C	Prep Batch:	240-63623	Lab File ID:	P5F10107.D
Dilution:	1.0			Initial Weight/Volume:	920 mL
Analysis Date:	11/08/2012 1705			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 1033			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)	0.14		0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12015.D
Dilution:	1.0			Initial Weight/Volume:	29.51 g
Analysis Date:	11/09/2012 2316			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		9.9		1.2	9.5

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035
Client Matrix: Solid % Moisture: 32.7 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12016.D
Dilution:	1.0			Initial Weight/Volume:	27.18 g
Analysis Date:	11/09/2012 2347			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.7	J	1.6	13

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115
Client Matrix: Solid % Moisture: 26.7 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12017.D
Dilution:	1.0			Initial Weight/Volume:	26.12 g
Analysis Date:	11/10/2012 0017			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		14		1.6	13

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12018.D
Dilution:	1.0			Initial Weight/Volume:	26.2 g
Analysis Date:	11/10/2012 0048			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		1.8	J	1.4	11

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12019.D
Dilution:	1.0			Initial Weight/Volume:	27.05 g
Analysis Date:	11/10/2012 0119			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		6.7	J	1.6	13

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315
Client Matrix: Solid % Moisture: 21.1 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12020.D
Dilution:	1.0			Initial Weight/Volume:	28.61 g
Analysis Date:	11/10/2012 0150			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		ND		1.3	11

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12021.D
Dilution:	1.0			Initial Weight/Volume:	29.33 g
Analysis Date:	11/10/2012 0221			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		2.8	J	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400
Client Matrix: Solid % Moisture: 22.0 Date Received: 10/31/2012 1616

WI-DRO Wisconsin - Diesel Range Organics (GC)

Analysis Method:	WI-DRO	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Prep Method:	WI DRO PREP	Prep Batch:	240-63584	Lab File ID:	P6F12022.D
Dilution:	1.0			Initial Weight/Volume:	29.53 g
Analysis Date:	11/10/2012 0252			Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
WI Diesel Range Organics (C10-C28)		3.0	J	1.3	10

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-262_0.5-1(20121030)**

Lab Sample ID: 240-17018-1 Date Sampled: 10/30/2012 0835
Client Matrix: Solid % Moisture: 12.1 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.44 g
Analysis Date:	11/06/2012 1121			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		24	B	0.056	16
Cadmium		ND		0.028	0.16
Chromium		12		0.16	0.39
Silver		ND		0.079	0.39
Arsenic		2.4		0.24	0.79
Lead		2.6		0.15	0.24
Selenium		ND		0.36	0.39

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.55 g
Analysis Date:	11/07/2012 1243			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.026	J	0.019	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-262_2-5(20121030)**

Lab Sample ID: 240-17018-2 Date Sampled: 10/30/2012 0838
Client Matrix: Solid % Moisture: 16.1 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	11/06/2012 1146			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		50	B	0.082	23
Cadmium		ND		0.042	0.23
Chromium		8.3		0.23	0.58
Silver		ND		0.12	0.58
Arsenic		3.5		0.35	1.2
Lead		4.4		0.22	0.35
Selenium		ND		0.52	0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	11/07/2012 1249			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.031	J	0.017	0.11

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-257_3.5-8.5(20121030)**

Lab Sample ID: 240-17018-3 Date Sampled: 10/30/2012 0900
Client Matrix: Water Date Received: 10/31/2012 1616

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	240-64063	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-63580	Lab File ID:	I9110612A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/06/2012 1409			Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 0648				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	100	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	240-64005	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-63585	Lab File ID:	110512A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/05/2012 1422			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1300				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.12	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027
Client Matrix: Solid % Moisture: 14.8 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.26 g
Analysis Date:	11/06/2012 1152			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		49	B	0.066	19
Cadmium		0.077	J	0.034	0.19
Chromium		15		0.19	0.47
Silver		ND		0.093	0.47
Arsenic		30		0.28	0.93
Lead		20		0.18	0.28
Selenium		ND		0.42	0.47

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.57 g
Analysis Date:	11/07/2012 1251			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.046	J	0.019	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035
Client Matrix: Solid % Moisture: 32.7 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	11/06/2012 1210			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		110	B	0.099	28
Cadmium		0.13	J	0.050	0.28
Chromium		23		0.28	0.70
Silver		ND		0.14	0.70
Arsenic		3.9		0.42	1.4
Lead		8.7		0.27	0.42
Selenium		0.87		0.63	0.70

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	11/07/2012 1253			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.049	J	0.022	0.15

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115
Client Matrix: Solid % Moisture: 26.7 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	11/06/2012 1216			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		130	B	0.095	27
Cadmium		0.23	J	0.048	0.27
Chromium		13		0.27	0.67
Silver		ND		0.13	0.67
Arsenic		120		0.40	1.3
Lead		12		0.25	0.40
Selenium		ND		0.60	0.67

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	11/07/2012 1255			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.16		0.018	0.12

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Analysis Date:	11/06/2012 1222			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		26	B	0.087	25
Cadmium		ND		0.044	0.25
Chromium		21		0.25	0.61
Silver		ND		0.12	0.61
Arsenic		5.5		0.37	1.2
Lead		3.5		0.23	0.37
Selenium		ND		0.55	0.61

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.55 g
Analysis Date:	11/07/2012 1257			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.034	J	0.020	0.13

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305
Client Matrix: Solid % Moisture: 29.8 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Analysis Date:	11/06/2012 1228			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		19	J B	0.094	26
Cadmium		ND		0.048	0.26
Chromium		7.3		0.26	0.66
Silver		ND		0.13	0.66
Arsenic		30		0.40	1.3
Lead		23		0.25	0.40
Selenium		ND		0.59	0.66

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	11/07/2012 1259			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12	J	0.021	0.14

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315
Client Matrix: Solid % Moisture: 21.1 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.36 g
Analysis Date:	11/06/2012 1234			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		120	B	0.066	19
Cadmium		ND		0.034	0.19
Chromium		14		0.19	0.47
Silver		ND		0.093	0.47
Arsenic		270		0.28	0.93
Lead		12		0.18	0.28
Selenium		ND		0.42	0.47

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	11/07/2012 1301			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.038	J	0.019	0.13

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350
Client Matrix: Solid % Moisture: 19.9 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	11/06/2012 1241			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		35	B	0.085	24
Cadmium		0.070	J	0.043	0.24
Chromium		8.4		0.24	0.60
Silver		ND		0.12	0.60
Arsenic		650		0.36	1.2
Lead		24		0.23	0.36
Selenium		ND		0.54	0.60

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	11/07/2012 1308			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.019	0.13

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400
Client Matrix: Solid % Moisture: 22.0 Date Received: 10/31/2012 1616

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	11/06/2012 1247			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		150	B	0.083	23
Cadmium		0.14	J	0.042	0.23
Chromium		19		0.23	0.58
Silver		ND		0.12	0.58
Arsenic		2.2		0.35	1.2
Lead		9.1		0.22	0.35

Analysis Method:	6010B	Analysis Batch:	240-64047	Instrument ID:	I6
Prep Method:	3050B	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	11/06/2012 1747			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Selenium		ND		0.52	0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-64158	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Analysis Date:	11/07/2012 1311			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.044	J	0.017	0.11

General Chemistry

Client Sample ID: **ASB-262_0.5-1(20121030)**

Lab Sample ID: 240-17018-1 Date Sampled: 10/30/2012 0835

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	9.26		SU	0.100	0.100	1.0	9045C
Analysis Batch: 240-63611	Analysis Date: 11/02/2012 1348						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-262_2-5(20121030)**

Lab Sample ID: 240-17018-2 Date Sampled: 10/30/2012 0838

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
pH	8.29		SU	0.100	0.100	1.0	9045C
Analysis Batch: 240-63611	Analysis Date: 11/02/2012 1350						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-258_1-3(20121030)**

Lab Sample ID: 240-17018-4 Date Sampled: 10/30/2012 1027

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-258_6-7(20121030)**

Lab Sample ID: 240-17018-5 Date Sampled: 10/30/2012 1035

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	67		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	33		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-259_1-2(20121030)**

Lab Sample ID: 240-17018-6 Date Sampled: 10/30/2012 1115

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-259_4-6(20121030)**

Lab Sample ID: 240-17018-7 Date Sampled: 10/30/2012 1120

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-260_1-2(20121030)**

Lab Sample ID: 240-17018-10 Date Sampled: 10/30/2012 1305

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-260_7-8(20121030)**

Lab Sample ID: 240-17018-11 Date Sampled: 10/30/2012 1315

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-261_0.5-2(20121030)**

Lab Sample ID: 240-17018-12 Date Sampled: 10/30/2012 1350

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

General Chemistry

Client Sample ID: **ASB-261_9-11(20121030)**

Lab Sample ID: 240-17018-13 Date Sampled: 10/30/2012 1400

Client Matrix: Solid Date Received: 10/31/2012 1616

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-63660	Analysis Date: 11/02/2012 1455						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-63576					
LCS 240-63576/2-A	Lab Control Sample	T	Solid	5035	
MB 240-63576/1-A	Method Blank	T	Solid	5035	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	5035	
240-17018-5	ASB-258_6-7(20121030)	T	Solid	5035	
240-17018-6	ASB-259_1-2(20121030)	T	Solid	5035	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	5035	
240-17018-9	MB-003(20121030)	T	Solid	5035	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	5035	
240-17018-11	ASB-260_7-8(20121030)	T	Solid	5035	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	5035	
240-17018-13	ASB-261_9-11(20121030)	T	Solid	5035	
Analysis Batch:240-63683					
LCS 240-63576/2-A	Lab Control Sample	T	Solid	8260B	240-63576
MB 240-63576/1-A	Method Blank	T	Solid	8260B	240-63576
240-17018-4	ASB-258_1-3(20121030)	T	Solid	8260B	240-63576
240-17018-5	ASB-258_6-7(20121030)	T	Solid	8260B	240-63576
240-17018-6	ASB-259_1-2(20121030)	T	Solid	8260B	240-63576
240-17018-7	ASB-259_4-6(20121030)	T	Solid	8260B	240-63576
Analysis Batch:240-63864					
240-17018-9	MB-003(20121030)	T	Solid	8260B	240-63576
240-17018-10	ASB-260_1-2(20121030)	T	Solid	8260B	240-63576
240-17018-11	ASB-260_7-8(20121030)	T	Solid	8260B	240-63576
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	8260B	240-63576
240-17018-13	ASB-261_9-11(20121030)	T	Solid	8260B	240-63576
Analysis Batch:240-63987					
LCS 240-63987/4	Lab Control Sample	T	Water	8260B	
MB 240-63987/5	Method Blank	T	Water	8260B	
240-16852-G-6 MS	Matrix Spike	T	Water	8260B	
240-16852-A-6 MSD	Matrix Spike Duplicate	T	Water	8260B	
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	8260B	
240-17018-8TB	TB-001(20121030)	T	Water	8260B	

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-63620					
LCS 240-63620/9-A	Lab Control Sample	T	Water	3520C	
MB 240-63620/8-A	Method Blank	T	Water	3520C	
240-16994-Y-1-A MS	Matrix Spike	T	Water	3520C	
240-16994-AA-1-A MSD	Matrix Spike Duplicate	T	Water	3520C	
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	3520C	
Prep Batch: 240-63795					
LCS 240-63795/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-63795/21-A	Method Blank	T	Solid	3540C	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	3540C	
240-17018-5	ASB-258_6-7(20121030)	T	Solid	3540C	
240-17018-6	ASB-259_1-2(20121030)	T	Solid	3540C	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	3540C	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	3540C	
240-17018-11	ASB-260_7-8(20121030)	T	Solid	3540C	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	3540C	
240-17018-13	ASB-261_9-11(20121030)	T	Solid	3540C	
Analysis Batch:240-63926					
LCS 240-63620/9-A	Lab Control Sample	T	Water	8270C	240-63620
MB 240-63620/8-A	Method Blank	T	Water	8270C	240-63620
240-16994-Y-1-A MS	Matrix Spike	T	Water	8270C	240-63620
240-16994-AA-1-A MSD	Matrix Spike Duplicate	T	Water	8270C	240-63620
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	8270C	240-63620
Analysis Batch:240-64224					
LCS 240-63795/22-A	Lab Control Sample	T	Solid	8270C	240-63795
MB 240-63795/21-A	Method Blank	T	Solid	8270C	240-63795
240-17018-4	ASB-258_1-3(20121030)	T	Solid	8270C	240-63795
240-17018-5	ASB-258_6-7(20121030)	T	Solid	8270C	240-63795
240-17018-6	ASB-259_1-2(20121030)	T	Solid	8270C	240-63795
240-17018-7	ASB-259_4-6(20121030)	T	Solid	8270C	240-63795
240-17018-10	ASB-260_1-2(20121030)	T	Solid	8270C	240-63795
240-17018-11	ASB-260_7-8(20121030)	T	Solid	8270C	240-63795
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	8270C	240-63795
240-17018-13	ASB-261_9-11(20121030)	T	Solid	8270C	240-63795

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-63584					
LCS 240-63584/18-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 240-63584/19-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 240-63584/17-A	Method Blank	T	Solid	WI DRO PREP	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	WI DRO PREP	
240-17018-5	ASB-258_6-7(20121030)	T	Solid	WI DRO PREP	
240-17018-6	ASB-259_1-2(20121030)	T	Solid	WI DRO PREP	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	WI DRO PREP	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	WI DRO PREP	
240-17018-11	ASB-260_7-8(20121030)	T	Solid	WI DRO PREP	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	WI DRO PREP	
240-17018-13	ASB-261_9-11(20121030)	T	Solid	WI DRO PREP	
Prep Batch: 240-63623					
LCS 240-63623/3-A	Lab Control Sample	T	Water	3510C	
LCSD 240-63623/4-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 240-63623/2-A	Method Blank	T	Water	3510C	
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	3510C	
Prep Batch: 240-63627					
LCS 240-63627/3-A	Lab Control Sample	T	Water	3510C	
MB 240-63627/2-A	Method Blank	T	Water	3510C	
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	3510C	
Analysis Batch:240-63739					
LCS 240-63627/3-A	Lab Control Sample	T	Water	8082	240-63627
MB 240-63627/2-A	Method Blank	T	Water	8082	240-63627
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	8082	240-63627
Prep Batch: 240-63789					
LCS 240-63789/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-63789/20-A	Method Blank	T	Solid	3540C	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	3540C	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	3540C	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	3540C	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	3540C	
240-17018-12MS	Matrix Spike	T	Solid	3540C	
240-17018-12MSD	Matrix Spike Duplicate	T	Solid	3540C	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-64055					
LCS 240-63789/21-A	Lab Control Sample	T	Solid	8082	240-63789
MB 240-63789/20-A	Method Blank	T	Solid	8082	240-63789
240-17018-4	ASB-258_1-3(20121030)	T	Solid	8082	240-63789
240-17018-10	ASB-260_1-2(20121030)	T	Solid	8082	240-63789
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	8082	240-63789
240-17018-12MS	Matrix Spike	T	Solid	8082	240-63789
240-17018-12MSD	Matrix Spike Duplicate	T	Solid	8082	240-63789
Analysis Batch:240-64217					
240-17018-7	ASB-259_4-6(20121030)	T	Solid	8082	240-63789
Analysis Batch:240-64336					
LCS 240-63623/3-A	Lab Control Sample	T	Water	WI-DRO	240-63623
LCSD 240-63623/4-A	Lab Control Sample Duplicate	T	Water	WI-DRO	240-63623
MB 240-63623/2-A	Method Blank	T	Water	WI-DRO	240-63623
240-17018-3	ASB-257_3.5-8.5(20121030)	T	Water	WI-DRO	240-63623
Analysis Batch:240-64511					
LCS 240-63584/18-A	Lab Control Sample	T	Solid	WI-DRO	240-63584
LCSD 240-63584/19-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	240-63584
MB 240-63584/17-A	Method Blank	T	Solid	WI-DRO	240-63584
240-17018-4	ASB-258_1-3(20121030)	T	Solid	WI-DRO	240-63584
240-17018-5	ASB-258_6-7(20121030)	T	Solid	WI-DRO	240-63584
240-17018-6	ASB-259_1-2(20121030)	T	Solid	WI-DRO	240-63584
240-17018-7	ASB-259_4-6(20121030)	T	Solid	WI-DRO	240-63584
240-17018-10	ASB-260_1-2(20121030)	T	Solid	WI-DRO	240-63584
240-17018-11	ASB-260_7-8(20121030)	T	Solid	WI-DRO	240-63584
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	WI-DRO	240-63584
240-17018-13	ASB-261_9-11(20121030)	T	Solid	WI-DRO	240-63584

Report Basis
T = Total

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-63580					
LCS 240-63580/2-A	Lab Control Sample	R	Water	3005A	
MB 240-63580/1-A	Method Blank	R	Water	3005A	
240-17018-3	ASB-257_3.5-8.5(20121030)	D	Water	3005A	
240-17018-3MS	Matrix Spike	D	Water	3005A	
240-17018-3MSD	Matrix Spike Duplicate	D	Water	3005A	
Prep Batch: 240-63585					
LCS 240-63585/2-A	Lab Control Sample	T	Water	7470A	
MB 240-63585/1-A	Method Blank	T	Water	7470A	
240-17018-3	ASB-257_3.5-8.5(20121030)	D	Water	7470A	
240-17018-3MS	Matrix Spike	D	Water	7470A	
240-17018-3MSD	Matrix Spike Duplicate	D	Water	7470A	
Prep Batch: 240-63809					
LCS 240-63809/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-63809/1-A	Method Blank	T	Solid	3050B	
240-17018-1	ASB-262_0.5-1(20121030)	T	Solid	3050B	
240-17018-1MS	Matrix Spike	T	Solid	3050B	
240-17018-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-17018-2	ASB-262_2-5(20121030)	T	Solid	3050B	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	3050B	
240-17018-5	ASB-258_6-7(20121030)	T	Solid	3050B	
240-17018-6	ASB-259_1-2(20121030)	T	Solid	3050B	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	3050B	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	3050B	
240-17018-11	ASB-260_7-8(20121030)	T	Solid	3050B	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	3050B	
240-17018-13	ASB-261_9-11(20121030)	T	Solid	3050B	
Prep Batch: 240-63822					
LCS 240-63822/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-63822/1-A	Method Blank	T	Solid	7471A	
240-17018-1	ASB-262_0.5-1(20121030)	T	Solid	7471A	
240-17018-1MS	Matrix Spike	T	Solid	7471A	
240-17018-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
240-17018-2	ASB-262_2-5(20121030)	T	Solid	7471A	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	7471A	
240-17018-5	ASB-258_6-7(20121030)	T	Solid	7471A	
240-17018-6	ASB-259_1-2(20121030)	T	Solid	7471A	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	7471A	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	7471A	
240-17018-11	ASB-260_7-8(20121030)	T	Solid	7471A	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	7471A	
240-17018-13	ASB-261_9-11(20121030)	T	Solid	7471A	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-64005					
LCS 240-63585/2-A	Lab Control Sample	T	Water	7470A	240-63585
MB 240-63585/1-A	Method Blank	T	Water	7470A	240-63585
240-17018-3	ASB-257_3.5-8.5(20121030)	D	Water	7470A	240-63585
240-17018-3MS	Matrix Spike	D	Water	7470A	240-63585
240-17018-3MSD	Matrix Spike Duplicate	D	Water	7470A	240-63585
Analysis Batch:240-64047					
LCS 240-63809/2-A	Lab Control Sample	T	Solid	6010B	240-63809
MB 240-63809/1-A	Method Blank	T	Solid	6010B	240-63809
240-17018-1	ASB-262_0.5-1(20121030)	T	Solid	6010B	240-63809
240-17018-1MS	Matrix Spike	T	Solid	6010B	240-63809
240-17018-1MSD	Matrix Spike Duplicate	T	Solid	6010B	240-63809
240-17018-2	ASB-262_2-5(20121030)	T	Solid	6010B	240-63809
240-17018-4	ASB-258_1-3(20121030)	T	Solid	6010B	240-63809
240-17018-5	ASB-258_6-7(20121030)	T	Solid	6010B	240-63809
240-17018-6	ASB-259_1-2(20121030)	T	Solid	6010B	240-63809
240-17018-7	ASB-259_4-6(20121030)	T	Solid	6010B	240-63809
240-17018-10	ASB-260_1-2(20121030)	T	Solid	6010B	240-63809
240-17018-11	ASB-260_7-8(20121030)	T	Solid	6010B	240-63809
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	6010B	240-63809
240-17018-13	ASB-261_9-11(20121030)	T	Solid	6010B	240-63809
Analysis Batch:240-64063					
LCS 240-63580/2-A	Lab Control Sample	R	Water	6010B	240-63580
MB 240-63580/1-A	Method Blank	R	Water	6010B	240-63580
240-17018-3	ASB-257_3.5-8.5(20121030)	D	Water	6010B	240-63580
240-17018-3MS	Matrix Spike	D	Water	6010B	240-63580
240-17018-3MSD	Matrix Spike Duplicate	D	Water	6010B	240-63580
Analysis Batch:240-64158					
LCS 240-63822/2-A	Lab Control Sample	T	Solid	7471A	240-63822
MB 240-63822/1-A	Method Blank	T	Solid	7471A	240-63822
240-17018-1	ASB-262_0.5-1(20121030)	T	Solid	7471A	240-63822
240-17018-1MS	Matrix Spike	T	Solid	7471A	240-63822
240-17018-1MSD	Matrix Spike Duplicate	T	Solid	7471A	240-63822
240-17018-2	ASB-262_2-5(20121030)	T	Solid	7471A	240-63822
240-17018-4	ASB-258_1-3(20121030)	T	Solid	7471A	240-63822
240-17018-5	ASB-258_6-7(20121030)	T	Solid	7471A	240-63822
240-17018-6	ASB-259_1-2(20121030)	T	Solid	7471A	240-63822
240-17018-7	ASB-259_4-6(20121030)	T	Solid	7471A	240-63822
240-17018-10	ASB-260_1-2(20121030)	T	Solid	7471A	240-63822
240-17018-11	ASB-260_7-8(20121030)	T	Solid	7471A	240-63822
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	7471A	240-63822
240-17018-13	ASB-261_9-11(20121030)	T	Solid	7471A	240-63822

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
D = Dissolved					
R = Total Recoverable					
T = Total					
General Chemistry					
Analysis Batch:240-63611					
LCS 240-63611/2	Lab Control Sample	T	Solid	9045C	
240-17005-A-1 DU	Duplicate	T	Solid	9045C	
240-17018-1	ASB-262_0.5-1(20121030)	T	Solid	9045C	
240-17018-2	ASB-262_2-5(20121030)	T	Solid	9045C	
Analysis Batch:240-63660					
240-17018-1	ASB-262_0.5-1(20121030)	T	Solid	Moisture	
240-17018-2	ASB-262_2-5(20121030)	T	Solid	Moisture	
240-17018-4	ASB-258_1-3(20121030)	T	Solid	Moisture	
240-17018-5	ASB-258_6-7(20121030)	T	Solid	Moisture	
240-17018-6	ASB-259_1-2(20121030)	T	Solid	Moisture	
240-17018-7	ASB-259_4-6(20121030)	T	Solid	Moisture	
240-17018-10	ASB-260_1-2(20121030)	T	Solid	Moisture	
240-17018-11	ASB-260_7-8(20121030)	T	Solid	Moisture	
240-17018-11DU	Duplicate	T	Solid	Moisture	
240-17018-12	ASB-261_0.5-2(20121030)	T	Solid	Moisture	
240-17018-13	ASB-261_9-11(20121030)	T	Solid	Moisture	
240-17037-A-3 DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
240-17018-4	ASB-258_1-3(20121030)	96	85	70	84
240-17018-5	ASB-258_6-7(20121030)	93	80	69	81
240-17018-6	ASB-259_1-2(20121030)	97	88	72	90
240-17018-7	ASB-259_4-6(20121030)	98	88	75	89
240-17018-9	MB-003(20121030)	113	96	90	107
240-17018-10	ASB-260_1-2(20121030)	83	77	66	77
240-17018-11	ASB-260_7-8(20121030)	92	83	74	87
240-17018-12	ASB-261_0.5-2(20121030)	96	87	79	93
240-17018-13	ASB-261_9-11(20121030)	92	85	74	89

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
DBFM = Dibromofluoromethane (Surr)	30-122
TOL = Toluene-d8 (Surr)	33-134

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 240-63576/1-A		105	97	91	83
LCS 240-63576/2-A		98	88	80	77

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
BFB = 4-Bromofluorobenzene (Surr)	26-141
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
240-17018-3	ASB-257_3.5-8.5(20121030)	109	93	102	105
240-17018-8	TB-001(20121030)	99	87	96	97
MB 240-63987/5		108	94	103	104
LCS 240-63987/4		97	98	97	98
240-16852-G-6 MS		97	97	99	99
240-16852-A-6 MSD		96	98	99	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
BFB = 4-Bromofluorobenzene (Surr)	66-117
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-17018-4	ASB-258_1-3(20121030)	59	65	63	57	65	71
240-17018-5	ASB-258_6-7(20121030)	57	63	68	54	65	70
240-17018-6	ASB-259_1-2(20121030)	54	59	49	52	62	67
240-17018-7	ASB-259_4-6(20121030)	55	61	45	53	62	64
240-17018-10	ASB-260_1-2(20121030)	62	66	48	54	65	72
240-17018-11	ASB-260_7-8(20121030)	54	62	50	51	62	64
240-17018-12	ASB-261_0.5-2(20121030)	54	63	43	55	62	65
240-17018-13	ASB-261_9-11(20121030)	47	55	55	45	56	62
MB 240-63795/21-A		64	71	57	62	72	70
LCS 240-63795/22-A		59	69	60	67	67	72

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	24-110
2FP = 2-Fluorophenol (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
PHL = Phenol-d5 (Surr)	26-110
TPH = Terphenyl-d14 (Surr)	36-110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	TBP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
240-17018-3	ASB-257_3.5-8.5(20121030)	66	67	67	64	67	45
MB 240-63620/8-A		62	65	54	62	66	70
LCS 240-63620/9-A		80	87	79	81	87	86
240-16994-Y-1-A MS		63	60	67	61	63	72
240-16994-AA-1-A MSD		65	66	66	64	66	73

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl (Surr)	20-110
2FP = 2-Fluorophenol (Surr)	10-110
TBP = 2,4,6-Tribromophenol (Surr)	21-110
NBZ = Nitrobenzene-d5 (Surr)	21-110
PHL = Phenol-d5 (Surr)	21-110
TPH = Terphenyl-d14 (Surr)	24-110

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-17018-4	ASB-258_1-3(20121030)	67	72
240-17018-7	ASB-259_4-6(20121030)	84	87
240-17018-10	ASB-260_1-2(20121030)	73	69
240-17018-12	ASB-261_0.5-2(20121030)	89	78
MB 240-63789/20-A		91	98
LCS 240-63789/21-A		75	78
240-17018-12 MS	ASB-261_0.5-2(20121030) MS	71	89
240-17018-12 MSD	ASB-261_0.5-2(20121030) MSD	75	83

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-17018-3	ASB-257_3.5-8.5(20121030)	67	7X
MB 240-63627/2-A		80	76
LCS 240-63627/3-A		82	81

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63576 **Method: 8260B**
Preparation: 5035

Lab Sample ID:	MB 240-63576/1-A	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-63576	Lab File ID:	UX81540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/03/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		9.1	250
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,1-Dichloropropene	ND		10	250
1,2,3-Trichlorobenzene	ND		10	250
1,2,3-Trichloropropane	ND		21	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2,4-Trimethylbenzene	ND		5.0	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3,5-Trimethylbenzene	ND		5.8	250
1,3-Dichlorobenzene	ND		4.8	250
1,3-Dichloropropane	ND		22	250
1,4-Dichlorobenzene	ND		8.0	250
2,2-Dichloropropane	ND		23	250
2-Chlorotoluene	ND		9.0	250
2-Hexanone	ND		20	1000
Allyl chloride	ND		53	500
4-Chlorotoluene	ND		9.9	250
Acetone	ND		170	1000
Benzene	ND		12	250
Bromobenzene	ND		13	250
Bromochloromethane	ND		13	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Bromodichloromethane	ND		9.9	250
Cyclohexane	ND		40	500
Dibromomethane	ND		14	250
Dichlorodifluoromethane	ND		16	250
1,2-Dibromoethane	ND		10	250
Dichlorofluoromethane	ND		25	500

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63576

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 240-63576/1-A	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-63576	Lab File ID:	UX81540.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/03/2012 0413	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	ND		15	500
Ethylbenzene	ND		5.4	250
Hexachlorobutadiene	ND		14	250
Isopropylbenzene	ND		6.5	250
Methyl acetate	ND		25	500
2-Butanone (MEK)	ND		43	1000
4-Methyl-2-pentanone (MIBK)	ND		48	1000
m-Xylene & p-Xylene	ND		6.2	500
Methyl tert butyl ether	ND		7.1	1000
Naphthalene	ND		6.7	250
Methylene Chloride	ND		77	250
n-Butylbenzene	ND		8.0	250
N-Propylbenzene	ND		14	250
o-Xylene	ND		8.5	250
p-Isopropyltoluene	ND		4.8	250
sec-Butylbenzene	ND		4.7	250
Styrene	ND		5.6	250
tert-Butylbenzene	ND		6.5	250
Tetrachloroethene	ND		12	250
Tetrahydrofuran	ND		49	1000
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
Trichloroethene	ND		9.7	250
Methylcyclohexane	ND		12	500
Trichlorofluoromethane	ND		16	250
Chlorodibromomethane	ND		12	250
Vinyl chloride	ND		18	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	39 - 128
4-Bromofluorobenzene (Surr)	97	26 - 141
Toluene-d8 (Surr)	91	33 - 134
Dibromofluoromethane (Surr)	83	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63576

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-63576/2-A	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-63576	Lab File ID:	UX81541.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/03/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	500	338	68	27 - 121	
1,1,1-Trichloroethane	500	341	68	38 - 122	
1,1,2,2-Tetrachloroethane	500	440	88	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	395	79	48 - 151	
1,1,2-Trichloroethane	500	471	94	74 - 114	
1,1-Dichloroethane	500	427	85	63 - 117	
1,1-Dichloroethene	500	350	70	44 - 143	
1,1-Dichloropropene	500	401	80	60 - 123	
1,2,3-Trichlorobenzene	500	389	78	43 - 129	
1,2,3-Trichloropropane	500	484	97	74 - 124	
1,2,4-Trichlorobenzene	500	364	73	41 - 135	
1,2,4-Trimethylbenzene	500	437	87	62 - 133	
1,2-Dibromo-3-Chloropropane	500	240	48	10 - 129	J
1,2-Dichlorobenzene	500	440	88	68 - 118	
1,2-Dichloroethane	500	495	99	68 - 119	
1,2-Dichloropropane	500	461	92	73 - 113	
1,3,5-Trimethylbenzene	500	443	89	60 - 130	
1,3-Dichlorobenzene	500	438	88	66 - 121	
1,3-Dichloropropane	500	462	92	74 - 119	
1,4-Dichlorobenzene	500	434	87	65 - 119	
2,2-Dichloropropane	500	353	71	25 - 123	
2-Chlorotoluene	500	471	94	68 - 122	
2-Hexanone	1000	684	68	43 - 130	J
4-Chlorotoluene	500	442	88	68 - 122	
Acetone	1000	599	60	16 - 156	J
Benzene	500	435	87	70 - 117	
Bromobenzene	500	487	97	72 - 120	
Bromochloromethane	500	393	79	56 - 128	
Bromoform	500	269	54	10 - 117	
Bromomethane	500	198	40	10 - 114	J
Carbon disulfide	500	237	47	10 - 132	J
Carbon tetrachloride	500	295	59	29 - 118	
Chlorobenzene	500	435	87	71 - 116	
Chloroethane	500	327	65	10 - 120	
Chloroform	500	415	83	63 - 116	
Chloromethane	500	342	68	25 - 110	
cis-1,2-Dichloroethene	500	390	78	60 - 125	
cis-1,3-Dichloropropene	500	329	66	25 - 120	
Bromodichloromethane	500	352	70	28 - 123	
Cyclohexane	500	399	80	40 - 120	J
Dibromomethane	500	449	90	68 - 118	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63576

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 240-63576/2-A	Analysis Batch:	240-63683	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-63576	Lab File ID:	UX81541.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	11/03/2012 0434	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/01/2012 2240				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	500	213	43	10 - 110	J
1,2-Dibromoethane	500	417	83	47 - 123	
Ethyl ether	500	487	97	70 - 130	J
Ethylbenzene	500	408	82	66 - 119	
Hexachlorobutadiene	500	375	75	34 - 135	
Isopropylbenzene	500	404	81	61 - 123	
Methyl acetate	500	514	103	44 - 173	
2-Butanone (MEK)	1000	914	91	10 - 199	J
4-Methyl-2-pentanone (MIBK)	1000	756	76	49 - 121	J
m-Xylene & p-Xylene	1000	838	84	67 - 118	
Methyl tert butyl ether	500	431	86	34 - 157	J
Naphthalene	500	294	59	37 - 126	
Methylene Chloride	500	467	93	27 - 172	
n-Butylbenzene	500	381	76	51 - 137	
N-Propylbenzene	500	444	89	64 - 130	
o-Xylene	500	429	86	68 - 120	
p-Isopropyltoluene	500	411	82	56 - 136	
sec-Butylbenzene	500	419	84	58 - 131	
Styrene	500	402	80	60 - 120	
tert-Butylbenzene	500	383	77	58 - 128	
Tetrachloroethene	500	415	83	58 - 131	
Tetrahydrofuran	500	427	85	70 - 130	J
Toluene	500	440	88	66 - 123	
trans-1,2-Dichloroethene	500	361	72	58 - 121	
trans-1,3-Dichloropropene	500	297	59	22 - 122	
Trichloroethene	500	411	82	59 - 124	
Methylcyclohexane	500	377	75	41 - 133	J
Trichlorofluoromethane	500	328	66	17 - 145	
Chlorodibromomethane	500	297	59	22 - 113	
Vinyl chloride	500	324	65	33 - 110	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	39 - 128
4-Bromofluorobenzene (Surr)	88	26 - 141
Toluene-d8 (Surr)	80	33 - 134
Dibromofluoromethane (Surr)	77	30 - 122

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63987

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-63987/5	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2857.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1407	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1407				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.23	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.13	1.0
1,2,3-Trichlorobenzene	ND		0.17	1.0
1,2,3-Trichloropropane	ND		0.43	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2,4-Trimethylbenzene	ND		0.12	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.096	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,3-Dichloropropane	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2,2-Dichloropropane	ND		0.13	1.0
2-Chlorotoluene	ND		0.11	1.0
2-Hexanone	ND		0.41	10
Allyl chloride	ND		0.35	2.0
4-Chlorotoluene	ND		0.18	1.0
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromobenzene	ND		0.13	1.0
Bromochloromethane	ND		0.29	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Bromodichloromethane	ND		0.15	1.0
Cyclohexane	ND		0.12	1.0
Dibromomethane	ND		0.28	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,2-Dibromoethane	ND		0.24	1.0
Dichlorofluoromethane	ND		0.42	1.0

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63987

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-63987/5	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2857.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1407	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1407				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethyl ether	0.347	J	0.31	1.0
Ethylbenzene	ND		0.17	1.0
Hexachlorobutadiene	ND		0.30	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
2-Butanone (MEK)	ND		0.57	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	5.0
m-Xylene & p-Xylene	ND		0.24	2.0
Methyl tert butyl ether	ND		0.17	2.0
Naphthalene	0.301	J	0.24	1.0
Methylene Chloride	4.64		0.33	1.0
n-Butylbenzene	ND		0.12	1.0
N-Propylbenzene	ND		0.14	1.0
o-Xylene	ND		0.14	1.0
p-Isopropyltoluene	ND		0.12	1.0
sec-Butylbenzene	ND		0.13	1.0
Styrene	ND		0.11	1.0
tert-Butylbenzene	ND		0.13	1.0
Tetrachloroethene	ND		0.29	1.0
Tetrahydrofuran	1.21	J	0.42	5.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Trichlorofluoromethane	ND		0.21	1.0
Chlorodibromomethane	ND		0.18	1.0
Vinyl chloride	ND		0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	63 - 129
4-Bromofluorobenzene (Surr)	94	66 - 117
Toluene-d8 (Surr)	103	74 - 115
Dibromofluoromethane (Surr)	104	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63987

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-63987/4	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2860.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1514	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1514				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.37	94	72 - 116	
1,1,1-Trichloroethane	10.0	9.05	91	74 - 118	
1,1,2,2-Tetrachloroethane	10.0	9.78	98	68 - 118	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.3	103	74 - 151	
1,1,2-Trichloroethane	10.0	10.2	102	80 - 112	
1,1-Dichloroethane	10.0	9.66	97	82 - 115	
1,1-Dichloroethene	10.0	9.78	98	78 - 131	
1,1-Dichloropropene	10.0	9.54	95	83 - 114	
1,2,3-Trichlorobenzene	10.0	10.1	101	54 - 126	
1,2,3-Trichloropropane	10.0	10.1	101	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.29	93	48 - 135	
1,2,4-Trimethylbenzene	10.0	10.2	102	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	10.5	105	42 - 136	
1,2-Dichlorobenzene	10.0	9.68	97	81 - 110	
1,2-Dichloroethane	10.0	9.72	97	71 - 127	
1,2-Dichloropropane	10.0	9.82	98	81 - 115	
1,3,5-Trimethylbenzene	10.0	10.1	101	72 - 118	
1,3-Dichlorobenzene	10.0	9.58	96	80 - 110	
1,3-Dichloropropane	10.0	9.57	96	79 - 116	
1,4-Dichlorobenzene	10.0	9.38	94	82 - 110	
2,2-Dichloropropane	10.0	8.34	83	50 - 129	
2-Chlorotoluene	10.0	9.71	97	76 - 116	
2-Hexanone	20.0	21.7	108	55 - 133	
4-Chlorotoluene	10.0	9.95	99	77 - 115	
Acetone	20.0	22.5	113	43 - 136	
Benzene	10.0	9.51	95	83 - 112	
Bromobenzene	10.0	9.44	94	76 - 115	
Bromochloromethane	10.0	9.42	94	77 - 120	
Bromoform	10.0	9.24	92	40 - 131	
Bromomethane	10.0	6.51	65	11 - 185	
Carbon disulfide	10.0	8.77	88	62 - 142	
Carbon tetrachloride	10.0	9.24	92	66 - 128	
Chlorobenzene	10.0	9.66	97	85 - 110	
Chloroethane	10.0	7.85	78	25 - 153	
Chloroform	10.0	9.27	93	79 - 117	
Chloromethane	10.0	7.41	74	44 - 126	
cis-1,2-Dichloroethene	10.0	9.76	98	80 - 113	
cis-1,3-Dichloropropene	10.0	9.25	92	61 - 115	
Bromodichloromethane	10.0	9.60	96	72 - 121	
Cyclohexane	10.0	9.79	98	54 - 121	
Dibromomethane	10.0	10.1	101	81 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63987

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-63987/4	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2860.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1514	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1514				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	6.41	64	19 - 129	
1,2-Dibromoethane	10.0	10.1	101	79 - 113	
Ethyl ether	10.0	9.82	98	53 - 135	
Ethylbenzene	10.0	9.91	99	83 - 112	
Hexachlorobutadiene	10.0	9.07	91	36 - 134	
Isopropylbenzene	10.0	10.1	101	75 - 114	
Methyl acetate	10.0	9.12	91	58 - 131	J
2-Butanone (MEK)	20.0	20.7	104	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	21.3	107	63 - 128	
m-Xylene & p-Xylene	20.0	19.8	99	83 - 113	
Methyl tert butyl ether	10.0	9.55	95	52 - 144	
Naphthalene	10.0	10.3	103	32 - 141	
Methylene Chloride	10.0	9.96	100	66 - 131	
n-Butylbenzene	10.0	10.4	104	66 - 125	
N-Propylbenzene	10.0	10.5	105	74 - 121	
o-Xylene	10.0	10.1	101	83 - 113	
p-Isopropyltoluene	10.0	9.67	97	74 - 120	
sec-Butylbenzene	10.0	10.1	101	70 - 117	
Styrene	10.0	9.36	94	79 - 114	
tert-Butylbenzene	10.0	10.2	102	71 - 115	
Tetrachloroethene	10.0	9.53	95	79 - 114	
Tetrahydrofuran	10.0	10.4	104	23 - 143	
Toluene	10.0	9.53	95	84 - 111	
trans-1,2-Dichloroethene	10.0	9.88	99	83 - 117	
trans-1,3-Dichloropropene	10.0	7.97	80	58 - 117	
Trichloroethene	10.0	9.96	100	76 - 117	
Methylcyclohexane	10.0	9.90	99	56 - 127	
Trichlorofluoromethane	10.0	7.58	76	49 - 157	
Chlorodibromomethane	10.0	9.25	92	64 - 119	
Vinyl chloride	10.0	8.22	82	53 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	63 - 129
4-Bromofluorobenzene (Surr)	98	66 - 117
Toluene-d8 (Surr)	97	74 - 115
Dibromofluoromethane (Surr)	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63987

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-16852-G-6 MS	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1812			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-16852-A-6 MSD	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2869.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1834			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1834				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	97	99	64 - 118	3	30		
1,1,1-Trichloroethane	94	93	68 - 121	1	30		
1,1,2,2-Tetrachloroethane	99	97	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	94	94	70 - 152	0	30		
1,1,2-Trichloroethane	102	104	75 - 115	2	30		
1,1-Dichloroethane	99	97	79 - 116	2	30		
1,1-Dichloroethene	100	98	74 - 135	2	30		
1,1-Dichloropropene	95	94	80 - 114	2	30		
1,2,3-Trichlorobenzene	100	104	45 - 129	4	30		
1,2,3-Trichloropropane	99	104	67 - 132	5	30		
1,2,4-Trichlorobenzene	91	93	38 - 138	2	30		
1,2,4-Trimethylbenzene	103	102	67 - 124	0	30		
1,2-Dibromo-3-Chloropropane	105	109	32 - 139	4	30		
1,2-Dichlorobenzene	98	98	75 - 111	0	30		
1,2-Dichloroethane	99	99	68 - 129	1	30		
1,2-Dichloropropane	100	100	78 - 115	0	30		
1,3,5-Trimethylbenzene	101	100	63 - 121	1	30		
1,3-Dichlorobenzene	97	97	73 - 110	0	30		
1,3-Dichloropropane	98	99	74 - 118	1	30		
1,4-Dichlorobenzene	95	95	75 - 110	0	30		
2,2-Dichloropropane	86	89	38 - 127	3	30		
2-Chlorotoluene	97	98	69 - 117	1	30		
2-Hexanone	104	106	47 - 139	1	30		
4-Chlorotoluene	97	98	71 - 116	1	30		
Acetone	97	98	33 - 145	1	30		
Benzene	100	97	72 - 121	3	30		
Bromobenzene	95	94	71 - 116	1	30		
Bromochloromethane	99	97	73 - 121	2	30		
Bromoform	89	91	32 - 128	2	30		
Bromomethane	66	63	10 - 186	5	30		
Carbon disulfide	94	94	57 - 147	0	30		
Carbon tetrachloride	97	96	59 - 129	2	30		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63987

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-16852-G-6 MS	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1812			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-16852-A-6 MSD	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2869.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1834			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1834				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	99	99	80 - 110	0	30		
Chloroethane	87	85	21 - 165	3	30		
Chloroform	96	95	76 - 118	1	30		
Chloromethane	73	69	33 - 132	6	30		
cis-1,2-Dichloroethene	97	100	70 - 120	2	30		
cis-1,3-Dichloropropene	86	84	51 - 110	3	30		
Bromodichloromethane	97	95	67 - 120	1	30		
Cyclohexane	92	90	49 - 123	2	30		
Dibromomethane	102	102	77 - 121	0	30		
Dichlorodifluoromethane	61	60	17 - 128	1	30		
1,2-Dibromoethane	100	102	74 - 113	2	30		
Ethyl ether	102	98	63 - 136	3	30		
Ethylbenzene	102	101	75 - 116	1	30		
Hexachlorobutadiene	85	88	27 - 132	4	30		
Isopropylbenzene	103	102	68 - 116	1	30		
Methyl acetate	86	87	47 - 130	1	30	J	J
2-Butanone (MEK)	104	102	54 - 129	2	30		
4-Methyl-2-pentanone (MIBK)	102	102	56 - 131	0	30		
m-Xylene & p-Xylene	102	102	75 - 117	0	30		
Methyl tert butyl ether	97	98	46 - 144	1	30		
Naphthalene	102	106	15 - 158	4	30		
Methylene Chloride	87	88	63 - 128	1	30		
n-Butylbenzene	101	101	56 - 127	1	30		
N-Propylbenzene	102	103	64 - 124	0	30		
o-Xylene	103	104	76 - 116	1	30		
p-Isopropyltoluene	97	97	64 - 122	1	30		
sec-Butylbenzene	99	98	60 - 119	1	30		
Styrene	97	96	71 - 117	1	30		
tert-Butylbenzene	99	100	61 - 119	1	30		
Tetrachloroethene	97	98	70 - 117	1	30		
Tetrahydrofuran	107	101	10 - 167	6	30		
Toluene	99	98	78 - 114	1	30		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63987

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-16852-G-6 MS	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1812			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1812				
Leach Date:	N/A				

MSD Lab Sample ID:	240-16852-A-6 MSD	Analysis Batch:	240-63987	Instrument ID:	A3UX17
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXR2869.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2012 1834			Final Weight/Volume:	5 mL
Prep Date:	11/06/2012 1834				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	102	100	80 - 119	2	30		
trans-1,3-Dichloropropene	78	80	46 - 116	3	30		
Trichloroethene	101	100	66 - 120	1	30		
Methylcyclohexane	89	90	49 - 127	1	30		
Trichlorofluoromethane	72	66	46 - 157	8	30		
Chlorodibromomethane	94	95	56 - 118	1	30		
Vinyl chloride	85	83	49 - 130	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	96	63 - 129
4-Bromofluorobenzene (Surr)	97	98	66 - 117
Toluene-d8 (Surr)	99	99	74 - 115
Dibromofluoromethane (Surr)	99	98	75 - 121

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63620 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-63620/8-A	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/06/2012 0958	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		0.80	1.0
2-Chloronaphthalene	ND		0.10	1.0
2-Chlorophenol	ND		0.29	1.0
4-Bromophenyl phenyl ether	ND		0.80	2.0
2-Methylnaphthalene	ND		0.10	0.20
4-Chloro-3-methylphenol	ND		0.80	2.0
4-Chloroaniline	ND		0.80	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.80	2.0
Acenaphthene	ND		0.10	0.20
Acenaphthylene	ND		0.10	0.20
2,4-Dimethylphenol	ND		0.80	2.0
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.10	0.20
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
Atrazine	ND		0.34	1.0
2,4-Dinitrophenol	ND		2.4	5.0
Benzaldehyde	ND		0.39	1.0
2,4-Dinitrotoluene	ND		0.27	5.0
Benzo[a]anthracene	ND		0.10	0.20
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.10	0.20
Benzo[g,h,i]perylene	ND		0.10	0.20
Benzo[k]fluoranthene	ND		0.10	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.80	2.0
Butyl benzyl phthalate	ND		0.80	1.0
Caprolactam	ND		0.80	5.0
Carbazole	ND		0.28	1.0
2-Methylphenol	ND		0.80	1.0
Chrysene	ND		0.10	0.20
Dibenz(a,h)anthracene	ND		0.10	0.20
2-Nitroaniline	ND		0.80	2.0
Dibenzofuran	ND		0.10	1.0
3-Nitroaniline	ND		0.28	2.0
Diethyl phthalate	ND		0.60	1.0
4-Nitroaniline	ND		0.80	2.0
Dimethyl phthalate	ND		0.29	1.0
Di-n-butyl phthalate	ND		0.67	1.0
2-Nitrophenol	ND		0.28	2.0
Di-n-octyl phthalate	ND		0.80	1.0
4-Nitrophenol	ND		2.4	5.0
Fluoranthene	ND		0.10	0.20

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63620 **Method: 8270C**
Preparation: 3520C

Lab Sample ID:	MB 240-63620/8-A	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/06/2012 0958	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		0.10	0.20
Hexachlorobenzene	ND		0.10	0.20
2,2'-oxybis[1-chloropropane]	ND		0.40	1.0
Hexachlorobutadiene	ND		0.27	1.0
Hexachlorocyclopentadiene	ND		0.80	10
Hexachloroethane	ND		0.80	1.0
Indeno[1,2,3-cd]pyrene	ND		0.10	0.20
Isophorone	ND		0.27	1.0
2,4,5-Trichlorophenol	ND		0.30	5.0
Naphthalene	ND		0.10	0.20
2,4,6-Trichlorophenol	ND		0.80	5.0
Nitrobenzene	ND		0.040	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Pentachlorophenol	ND		2.4	5.0
Phenol	ND		0.60	1.0
Phenanthrene	ND		0.10	0.20
Pyrene	ND		0.10	0.20
2,6-Dinitrotoluene	ND		0.80	5.0
3 & 4 Methylphenol	ND		0.75	2.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	62	20 - 110
2-Fluorophenol (Surr)	65	10 - 110
2,4,6-Tribromophenol (Surr)	54	21 - 110
Nitrobenzene-d5 (Surr)	62	21 - 110
Phenol-d5 (Surr)	66	21 - 110
Terphenyl-d14 (Surr)	70	24 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63620

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-63620/9-A	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/06/2012 1016	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	20.0	16.0	80	43 - 110	
2-Chloronaphthalene	20.0	16.4	82	43 - 110	
2-Chlorophenol	20.0	16.9	85	29 - 110	
4-Bromophenyl phenyl ether	20.0	15.7	79	45 - 110	
2-Methylnaphthalene	20.0	16.6	83	45 - 110	
4-Chloro-3-methylphenol	20.0	15.8	79	52 - 110	
4-Chloroaniline	20.0	13.5	67	44 - 110	
4-Chlorophenyl phenyl ether	20.0	16.7	83	47 - 110	
3,3'-Dichlorobenzidine	20.0	9.08	45	22 - 110	
2,4-Dichlorophenol	20.0	16.7	83	41 - 110	
Acenaphthene	20.0	16.3	81	47 - 110	
Acenaphthylene	20.0	17.0	85	49 - 110	
2,4-Dimethylphenol	20.0	12.2	61	32 - 110	
Acetophenone	20.0	17.8	89	46 - 110	
Anthracene	20.0	16.5	82	52 - 110	
4,6-Dinitro-2-methylphenol	20.0	13.5	68	31 - 110	
Atrazine	20.0	20.4	102	66 - 126	
2,4-Dinitrophenol	20.0	10.4	52	10 - 110	
Benzaldehyde	20.0	17.7	88	38 - 110	
2,4-Dinitrotoluene	20.0	17.6	88	53 - 110	
Benzo[a]anthracene	20.0	15.5	77	52 - 110	
Benzo[a]pyrene	20.0	13.0	65	44 - 110	
Benzo[b]fluoranthene	20.0	15.6	78	48 - 110	
Benzo[g,h,i]perylene	20.0	15.3	76	50 - 110	
Benzo[k]fluoranthene	20.0	15.2	76	49 - 110	
Bis(2-chloroethoxy)methane	20.0	16.4	82	43 - 110	
Bis(2-chloroethyl)ether	20.0	17.8	89	40 - 110	
Bis(2-ethylhexyl) phthalate	20.0	15.4	77	39 - 116	
Butyl benzyl phthalate	20.0	16.2	81	55 - 110	
Caprolactam	20.0	16.4	82	45 - 111	
Carbazole	20.0	16.2	81	55 - 110	
2-Methylphenol	20.0	17.4	87	42 - 110	
Chrysene	20.0	16.6	83	55 - 110	
Dibenz(a,h)anthracene	20.0	14.9	74	49 - 110	
2-Nitroaniline	20.0	17.7	89	54 - 110	
Dibenzofuran	20.0	16.9	84	51 - 110	
3-Nitroaniline	20.0	16.1	81	53 - 110	
Diethyl phthalate	20.0	17.2	86	58 - 110	
4-Nitroaniline	20.0	17.8	89	54 - 110	
Dimethyl phthalate	20.0	17.1	85	57 - 110	
Di-n-butyl phthalate	20.0	17.2	86	57 - 110	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63620

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 240-63620/9-A	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/06/2012 1016	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	20.0	16.4	82	40 - 110	
Di-n-octyl phthalate	20.0	14.9	74	40 - 110	
4-Nitrophenol	20.0	15.9	79	33 - 112	
Fluoranthene	20.0	17.3	86	54 - 110	
Fluorene	20.0	17.1	85	52 - 110	
Hexachlorobenzene	20.0	15.9	80	50 - 110	
2,2'-oxybis[1-chloropropane]	20.0	18.3	91	37 - 110	
Hexachlorobutadiene	20.0	14.5	73	33 - 110	
Hexachlorocyclopentadiene	20.0	5.75	29	10 - 110	J
Hexachloroethane	20.0	15.6	78	35 - 110	
Indeno[1,2,3-cd]pyrene	20.0	15.2	76	50 - 110	
Isophorone	20.0	17.8	89	49 - 110	
2,4,5-Trichlorophenol	20.0	15.7	78	48 - 110	
Naphthalene	20.0	16.2	81	44 - 110	
2,4,6-Trichlorophenol	20.0	15.3	77	45 - 110	
Nitrobenzene	20.0	17.3	86	42 - 110	
N-Nitrosodi-n-propylamine	20.0	18.7	93	47 - 110	
N-Nitrosodiphenylamine	20.0	15.7	79	50 - 110	
Pentachlorophenol	20.0	8.73	44	18 - 110	
Phenol	20.0	17.0	85	33 - 110	
Phenanthrene	20.0	16.5	82	53 - 110	
Pyrene	20.0	15.8	79	52 - 110	
2,6-Dinitrotoluene	20.0	17.6	88	54 - 110	
3 & 4 Methylphenol	40.0	35.8	90	44 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	80	20 - 110
2-Fluorophenol (Surr)	87	10 - 110
2,4,6-Tribromophenol (Surr)	79	21 - 110
Nitrobenzene-d5 (Surr)	81	21 - 110
Phenol-d5 (Surr)	87	21 - 110
Terphenyl-d14 (Surr)	86	24 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63620

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-16994-Y-1-A MS	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/06/2012 1147			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-16994-AA-1-A MSD	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/06/2012 1205			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	65	66	34 - 110	2	31		
2-Chloronaphthalene	66	68	28 - 110	3	37		
2-Chlorophenol	62	64	20 - 110	3	70		
4-Bromophenyl phenyl ether	68	66	26 - 110	3	35		
2-Methylnaphthalene	66	67	32 - 110	1	33		
4-Chloro-3-methylphenol	68	67	38 - 110	2	35		
4-Chloroaniline	50	53	15 - 110	5	73		
4-Chlorophenyl phenyl ether	70	69	30 - 110	0	36		
3,3'-Dichlorobenzidine	20	26	10 - 110	29	99	J	
2,4-Dichlorophenol	66	66	28 - 110	1	69		
Acenaphthene	70	70	35 - 110	1	30		
Acenaphthylene	67	69	33 - 110	2	30		
2,4-Dimethylphenol	64	65	15 - 110	1	36		
Acetophenone	65	67	10 - 155	3	31		
Anthracene	70	68	26 - 110	3	37		
4,6-Dinitro-2-methylphenol	58	50	10 - 110	15	93		
Atrazine	90	88	40 - 124	3	30		
2,4-Dinitrophenol	46	41	10 - 124	13	70		
Benzaldehyde	65	68	24 - 110	5	34		
2,4-Dinitrotoluene	74	74	37 - 110	1	56		
Benzo[a]anthracene	66	64	16 - 110	3	30		
Benzo[a]pyrene	53	55	10 - 110	3	60		
Benzo[b]fluoranthene	64	67	10 - 110	5	45		
Benzo[g,h,i]perylene	65	65	10 - 110	0	60		
Benzo[k]fluoranthene	66	65	10 - 110	2	48		
Bis(2-chloroethoxy)methane	63	65	27 - 110	2	33		
Bis(2-chloroethyl)ether	63	67	24 - 110	5	42		
Bis(2-ethylhexyl) phthalate	66	68	10 - 112	3	71		
Butyl benzyl phthalate	73	71	31 - 110	3	37		
Caprolactam	71	66	10 - 199	7	99		
Carbazole	77	72	28 - 110	6	30		
2-Methylphenol	66	68	27 - 110	3	42		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63620

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-16994-Y-1-A MS	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/06/2012 1147			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-16994-AA-1-A MSD	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/06/2012 1205			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chrysene	73	69	17 - 110	6	30		
Dibenz(a,h)anthracene	64	66	10 - 111	3	63		
2-Nitroaniline	76	74	38 - 110	2	32		
Dibenzofuran	71	71	36 - 110	1	30		
3-Nitroaniline	64	65	22 - 110	1	69		
Diethyl phthalate	77	74	42 - 110	3	30		
4-Nitroaniline	76	74	18 - 110	2	60		
Dimethyl phthalate	73	72	42 - 110	1	30		
Di-n-butyl phthalate	77	74	35 - 110	4	37		
2-Nitrophenol	62	64	26 - 110	3	64		
Di-n-octyl phthalate	64	66	10 - 118	3	92		
4-Nitrophenol	75	71	16 - 111	5	65		
Fluoranthene	77	74	31 - 110	3	30		
Fluorene	74	74	36 - 110	0	30		
Hexachlorobenzene	69	67	23 - 110	3	30		
2,2'-oxybis[1-chloropropane]	69	72	10 - 145	3	43		
Hexachlorobutadiene	56	57	15 - 110	2	49		
Hexachlorocyclopentadiene	21	22	10 - 110	8	99	J	J
Hexachloroethane	59	60	10 - 122	2	44		
Indeno[1,2,3-cd]pyrene	64	66	10 - 110	4	58		
Isophorone	71	71	33 - 110	1	31		
2,4,5-Trichlorophenol	68	69	36 - 110	1	60		
Naphthalene	71	68	28 - 110	5	80		
2,4,6-Trichlorophenol	63	64	33 - 110	1	63		
Nitrobenzene	67	68	15 - 110	2	34		
N-Nitrosodi-n-propylamine	70	73	32 - 110	4	32		
N-Nitrosodiphenylamine	72	68	10 - 110	5	38		
Pentachlorophenol	58	53	10 - 123	9	76		
Phenol	66	66	25 - 110	0	74		
Phenanthrene	75	71	34 - 110	6	30		
Pyrene	71	69	32 - 110	4	30		
2,6-Dinitrotoluene	75	75	38 - 110	1	54		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63620

Method: 8270C
Preparation: 3520C

MS Lab Sample ID:	240-16994-Y-1-A MS	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/06/2012 1147			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-16994-AA-1-A MSD	Analysis Batch:	240-63926	Instrument ID:	A4HP10
Client Matrix:	Water	Prep Batch:	240-63620	Lab File ID:	21106012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/06/2012 1205			Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1027			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
3 & 4 Methylphenol	68	71	31 - 110	4	42		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	63	65	20 - 110
2-Fluorophenol (Surr)	60	66	10 - 110
2,4,6-Tribromophenol (Surr)	67	66	21 - 110
Nitrobenzene-d5 (Surr)	61	64	21 - 110
Phenol-d5 (Surr)	63	66	21 - 110
Terphenyl-d14 (Surr)	72	73	24 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63795 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-63795/21-A	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-63795	Lab File ID:	21108022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/08/2012 1536	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		27	330
2-Chloronaphthalene	ND		3.3	330
2-Chlorophenol	ND		27	330
4-Bromophenyl phenyl ether	ND		13	330
2-Methylnaphthalene	ND		3.3	330
4-Chloro-3-methylphenol	ND		21	330
4-Chloroaniline	ND		17	330
4-Chlorophenyl phenyl ether	ND		13	330
3,3'-Dichlorobenzidine	ND		18	1600
2,4-Dichlorophenol	ND		20	330
Acenaphthene	ND		3.3	330
Acenaphthylene	ND		3.3	330
2,4-Dimethylphenol	ND		20	330
Acetophenone	ND		9.2	330
Anthracene	ND		3.3	330
4,6-Dinitro-2-methylphenol	ND		80	1600
Atrazine	ND		9.1	330
2,4-Dinitrophenol	ND		80	1600
Benzaldehyde	ND		12	330
2,4-Dinitrotoluene	ND		27	330
Benzo[a]anthracene	ND		3.3	330
Benzo[a]pyrene	ND		3.3	330
Benzo[b]fluoranthene	ND		3.3	330
Benzo[g,h,i]perylene	ND		3.3	330
Benzo[k]fluoranthene	ND		3.3	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		2.0	330
Bis(2-ethylhexyl) phthalate	ND		19	330
Butyl benzyl phthalate	ND		10	330
Caprolactam	ND		37	330
Carbazole	ND		27	330
2-Methylphenol	ND		80	330
Chrysene	ND		1.1	330
Dibenz(a,h)anthracene	ND		3.3	330
2-Nitroaniline	ND		9.1	1600
Dibenzofuran	ND		3.3	330
3-Nitroaniline	ND		16	1600
Diethyl phthalate	ND		16	330
4-Nitroaniline	ND		26	1600
Dimethyl phthalate	ND		17	330
Di-n-butyl phthalate	ND		15	330
2-Nitrophenol	ND		27	330
Di-n-octyl phthalate	ND		27	330
4-Nitrophenol	ND		80	1600
Fluoranthene	ND		3.3	330

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63795 **Method: 8270C**
Preparation: 3540C

Lab Sample ID:	MB 240-63795/21-A	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-63795	Lab File ID:	21108022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/08/2012 1536	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Fluorene	ND		3.3	330
Hexachlorobenzene	ND		2.1	330
2,2'-oxybis[1-chloropropane]	ND		9.5	330
Hexachlorobutadiene	ND		27	330
Hexachlorocyclopentadiene	ND		27	1600
Hexachloroethane	ND		9.0	330
Indeno[1,2,3-cd]pyrene	ND		3.3	330
Isophorone	ND		13	330
2,4,5-Trichlorophenol	ND		25	330
Naphthalene	ND		3.3	330
2,4,6-Trichlorophenol	ND		80	330
Nitrobenzene	ND		2.2	330
N-Nitrosodi-n-propylamine	ND		27	330
N-Nitrosodiphenylamine	ND		21	330
Pentachlorophenol	ND		80	330
Phenol	ND		27	330
Phenanthrene	ND		3.3	330
Pyrene	ND		3.3	330
2,6-Dinitrotoluene	ND		21	330
3 & 4 Methylphenol	ND		20	400

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	24 - 110
2-Fluorophenol (Surr)	71	24 - 110
2,4,6-Tribromophenol (Surr)	57	10 - 110
Nitrobenzene-d5 (Surr)	62	20 - 110
Phenol-d5 (Surr)	72	26 - 110
Terphenyl-d14 (Surr)	70	36 - 110

Lab Control Sample - Batch: 240-63795

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-63795/22-A	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-63795	Lab File ID:	21108023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/08/2012 1555	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	409	61	35 - 110	
2-Chloronaphthalene	667	415	62	32 - 110	
2-Chlorophenol	667	448	67	37 - 110	
4-Bromophenyl phenyl ether	667	418	63	39 - 110	
2-Methylnaphthalene	667	435	65	36 - 110	
4-Chloro-3-methylphenol	667	436	65	48 - 110	
4-Chloroaniline	667	306	46	30 - 110	J
4-Chlorophenyl phenyl ether	667	406	61	40 - 110	
3,3'-Dichlorobenzidine	667	280	42	28 - 110	J
2,4-Dichlorophenol	667	427	64	39 - 110	
Acenaphthene	667	423	63	38 - 110	
Acenaphthylene	667	439	66	40 - 110	
2,4-Dimethylphenol	667	269	40	29 - 110	J
Acetophenone	667	452	68	40 - 110	
Anthracene	667	405	61	48 - 110	
4,6-Dinitro-2-methylphenol	667	411	62	10 - 110	J
Atrazine	667	487	73	66 - 127	
2,4-Dinitrophenol	667	378	57	10 - 110	J
Benzaldehyde	667	560	84	32 - 110	
2,4-Dinitrotoluene	667	467	70	48 - 110	
Benzo[a]anthracene	667	430	65	50 - 110	
Benzo[a]pyrene	667	392	59	44 - 110	
Benzo[b]fluoranthene	667	355	53	43 - 110	
Benzo[g,h,i]perylene	667	435	65	51 - 110	
Benzo[k]fluoranthene	667	434	65	38 - 105	
Bis(2-chloroethoxy)methane	667	444	67	32 - 110	
Bis(2-chloroethyl)ether	667	463	69	34 - 110	
Bis(2-ethylhexyl) phthalate	667	476	71	50 - 110	
Butyl benzyl phthalate	667	462	69	51 - 110	
Caprolactam	667	479	72	44 - 114	
Carbazole	667	415	62	50 - 110	
2-Methylphenol	667	411	62	41 - 110	
Chrysene	667	458	69	50 - 110	
Dibenz(a,h)anthracene	667	449	67	51 - 110	
2-Nitroaniline	667	458	69	45 - 110	J
Dibenzofuran	667	421	63	43 - 110	
3-Nitroaniline	667	399	60	44 - 110	J
Diethyl phthalate	667	469	70	52 - 110	
4-Nitroaniline	667	416	62	48 - 110	J
Dimethyl phthalate	667	460	69	50 - 110	
Di-n-butyl phthalate	667	436	65	51 - 110	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63795

Method: 8270C
Preparation: 3540C

Lab Sample ID:	LCS 240-63795/22-A	Analysis Batch:	240-64224	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-63795	Lab File ID:	21108023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/08/2012 1555	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Nitrophenol	667	442	66	34 - 110	
Di-n-octyl phthalate	667	398	60	48 - 110	
4-Nitrophenol	667	393	59	28 - 110	J
Fluoranthene	667	414	62	51 - 110	
Fluorene	667	408	61	46 - 110	
Hexachlorobenzene	667	385	58	43 - 110	
2,2'-oxybis[1-chloropropane]	667	444	67	29 - 110	
Hexachlorobutadiene	667	439	66	29 - 110	
Hexachlorocyclopentadiene	667	351	53	12 - 110	J
Hexachloroethane	667	437	66	30 - 110	
Indeno[1,2,3-cd]pyrene	667	443	66	50 - 110	
Isophorone	667	478	72	36 - 110	
2,4,5-Trichlorophenol	667	451	68	25 - 110	
Naphthalene	667	432	65	36 - 110	
2,4,6-Trichlorophenol	667	409	61	12 - 110	
Nitrobenzene	667	455	68	32 - 110	
N-Nitrosodi-n-propylamine	667	471	71	38 - 110	
N-Nitrosodiphenylamine	667	398	60	46 - 110	
Pentachlorophenol	667	380	57	10 - 110	
Phenol	667	476	71	38 - 110	
Phenanthrene	667	431	65	49 - 110	
Pyrene	667	454	68	49 - 110	
2,6-Dinitrotoluene	667	442	66	45 - 110	
3 & 4 Methylphenol	1330	886	66	40 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	59	24 - 110
2-Fluorophenol (Surr)	69	24 - 110
2,4,6-Tribromophenol (Surr)	60	10 - 110
Nitrobenzene-d5 (Surr)	67	20 - 110
Phenol-d5 (Surr)	67	26 - 110
Terphenyl-d14 (Surr)	72	36 - 110

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63627 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	MB 240-63627/2-A	Analysis Batch:	240-63739	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-63627	Lab File ID:	P1100016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/05/2012 1209	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1101			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.044	0.20
Aroclor-1221	ND		0.045	0.20
Aroclor-1232	ND		0.073	0.20
Aroclor-1242	ND		0.060	0.20
Aroclor-1248	ND		0.061	0.20
Aroclor-1254	ND		0.032	0.20
Aroclor-1260	ND		0.038	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	80	35 - 137
DCB Decachlorobiphenyl	76	10 - 140

Lab Control Sample - Batch: 240-63627 **Method: 8082**
Preparation: 3510C

Lab Sample ID:	LCS 240-63627/3-A	Analysis Batch:	240-63739	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-63627	Lab File ID:	P1100017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/05/2012 1222	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/02/2012 1101			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.16	86	56 - 130	
Aroclor-1260	2.50	2.22	89	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	35 - 137
DCB Decachlorobiphenyl	81	10 - 140

Method Blank - Batch: 240-63789 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-63789/20-A	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Client Matrix:	Solid	Prep Batch:	240-63789	Lab File ID:	P1100024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/07/2012 1513	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	98	14 - 163

Lab Control Sample - Batch: 240-63789 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-63789/21-A	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Client Matrix:	Solid	Prep Batch:	240-63789	Lab File ID:	P1100035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/07/2012 1739	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	240	72	62 - 120	
Aroclor-1260	333	257	77	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	29 - 151
DCB Decachlorobiphenyl	78	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63789

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-17018-12	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Client Matrix:	Solid	Prep Batch:	240-63789	Lab File ID:	P1100014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.26 g
Analysis Date:	11/07/2012 1300			Final Weight/Volume:	10 mL
Prep Date:	11/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17018-12	Analysis Batch:	240-64055	Instrument ID:	A2HP11
Client Matrix:	Solid	Prep Batch:	240-63789	Lab File ID:	P1100015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.69 g
Analysis Date:	11/07/2012 1313			Final Weight/Volume:	10 mL
Prep Date:	11/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	81	78	22 - 157	1	30		
Aroclor-1260	80	79	13 - 161	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	71	75	29 - 151
DCB Decachlorobiphenyl	89	83	14 - 163

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63584

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID:	MB 240-63584/17-A	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-63584	Lab File ID:	P6F12005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	11/09/2012 1807	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		1.2	9.6

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-63584

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID:	LCS 240-63584/18-A	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-63584	Lab File ID:	P6F12006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	11/09/2012 1838	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-63584/19-A	Analysis Batch:	240-64511	Instrument ID:	A2HP6F
Client Matrix:	Solid	Prep Batch:	240-63584	Lab File ID:	P6F12023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25.00 g
Analysis Date:	11/10/2012 0323	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 0738			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	101	103	70 - 120	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63623 **Method: WI-DRO**
Preparation: 3510C

Lab Sample ID:	MB 240-63623/2-A	Analysis Batch:	240-64336	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	240-63623	Lab File ID:	P5F10105.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/08/2012 1605	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 1033			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
WI Diesel Range Organics (C10-C28)	ND		0.016	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-63623 **Method: WI-DRO**
Preparation: 3510C

LCS Lab Sample ID:	LCS 240-63623/3-A	Analysis Batch:	240-64336	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	240-63623	Lab File ID:	P5F10106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/08/2012 1635	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 1033			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 240-63623/4-A	Analysis Batch:	240-64336	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	240-63623	Lab File ID:	P5F10108.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/08/2012 1736	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	11/02/2012 1033			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Diesel Range Organics (C10-C28)	99	112	75 - 115	12	20		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63580

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-63580/1-A	Analysis Batch:	240-64063	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-63580	Lab File ID:	I9110612A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/06/2012 1346	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 0648				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.757	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Silver	ND		2.2	10
Arsenic	ND		3.2	10
Lead	ND		1.9	3.0
Selenium	ND		4.1	5.0

Lab Control Sample - Batch: 240-63580

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-63580/2-A	Analysis Batch:	240-64063	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-63580	Lab File ID:	I9110612A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/06/2012 1350	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 0648				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1850	92	80 - 120	
Cadmium	50.0	48.0	96	80 - 120	
Chromium	200	189	95	80 - 120	
Silver	50.0	50.6	101	80 - 120	
Arsenic	2000	1970	99	80 - 120	
Lead	500	473	95	80 - 120	
Selenium	2000	2080	104	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63580

Method: 6010B
Preparation: 3005A
Dissolved

MS Lab Sample ID:	240-17018-3	Analysis Batch:	240-64063	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-63580	Lab File ID:	I9110612A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/06/2012 1413			Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 0648				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17018-3	Analysis Batch:	240-64063	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-63580	Lab File ID:	I9110612A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/06/2012 1417			Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 0648				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	99	99	75 - 125	0	20		
Cadmium	104	105	75 - 125	1	20		
Chromium	100	100	75 - 125	0	20		
Silver	109	109	75 - 125	0	20		
Arsenic	107	107	75 - 125	0	20		
Lead	102	102	75 - 125	0	20		
Selenium	114	113	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63809

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 240-63809/1-A	Analysis Batch:	240-64047	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/06/2012 1109	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.104	J	0.071	20
Cadmium	ND		0.036	0.20
Chromium	ND		0.20	0.50
Silver	ND		0.10	0.50
Arsenic	ND		0.30	1.0
Lead	ND		0.19	0.30
Selenium	ND		0.45	0.50

Lab Control Sample - Batch: 240-63809

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 240-63809/2-A	Analysis Batch:	240-64047	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/06/2012 1115	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	200	200	100	80 - 120	
Cadmium	5.00	4.99	100	80 - 120	
Chromium	20.0	19.9	99	80 - 120	
Silver	5.00	5.11	102	80 - 120	
Arsenic	200	198	99	80 - 120	
Lead	50.0	49.5	99	80 - 120	
Selenium	200	190	95	80 - 120	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63809

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	240-17018-1	Analysis Batch:	240-64047	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	11/06/2012 1133			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17018-1	Analysis Batch:	240-64047	Instrument ID:	I6
Client Matrix:	Solid	Prep Batch:	240-63809	Lab File ID:	I61106A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	11/06/2012 1139			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1140				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	97	101	75 - 125	3	20		
Cadmium	93	93	75 - 125	0	20		
Chromium	82	90	75 - 125	6	20		
Silver	98	99	75 - 125	1	20		
Arsenic	95	97	75 - 125	2	20		
Lead	92	94	75 - 125	2	20		
Selenium	90	92	75 - 125	1	20		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Method Blank - Batch: 240-63585

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-63585/1-A	Analysis Batch:	240-64005	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-63585	Lab File ID:	110512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/05/2012 1415	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1300				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-63585

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-63585/2-A	Analysis Batch:	240-64005	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-63585	Lab File ID:	110512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/05/2012 1416	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1300				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.35	107	81 - 123	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63585

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	240-17018-3	Analysis Batch:	240-64005	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-63585	Lab File ID:	110512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/05/2012 1423			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1300				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17018-3	Analysis Batch:	240-64005	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-63585	Lab File ID:	110512A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/05/2012 1424			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1300				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	98	100	69 - 134	2	20		

Method Blank - Batch: 240-63822

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-63822/1-A	Analysis Batch:	240-64158	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/07/2012 1235	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-63822

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-63822/2-A	Analysis Batch:	240-64158	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/07/2012 1238	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.765	92	73 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-63822

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-17018-1	Analysis Batch:	240-64158	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	11/07/2012 1245			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17018-1	Analysis Batch:	240-64158	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-63822	Lab File ID:	110712A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	11/07/2012 1247			Final Weight/Volume:	100 mL
Prep Date:	11/05/2012 1505				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	84	86	11 - 192	2	20		

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Lab Control Sample - Batch: 240-63611

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCS 240-63611/2	Analysis Batch:	240-63611	Instrument ID:	Randolph
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/02/2012 0942	Units:	SU	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.49	7.540	101	97 - 103	

Duplicate - Batch: 240-63611

Method: 9045C
Preparation: N/A

Lab Sample ID:	240-17005-A-1 DU	Analysis Batch:	240-63611	Instrument ID:	Randolph
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/02/2012 1345	Units:	SU	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.75	6.740	0.1	20	

Client: ARCADIS U.S., Inc. Job Number: 240-17018-1

Duplicate - Batch: 240-63660 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17018-11	Analysis Batch:	240-63660	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/02/2012 1455	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	79	0.7	20	
Percent Moisture	21	21	3	20	

Duplicate - Batch: 240-63660 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17037-A-3 DU	Analysis Batch:	240-63660	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/02/2012 1455	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	98	97	0.3	20	
Percent Moisture	2.4	2.7	12	20	