GROUNDWATER INVESTIGATION REPORT

FORMER N.L. INDUSTRIES SITE
3241 WALDEN AVENUE
DEPEW, NEW YORK

Prepared For:
Cascades, Inc.

JUNE 2009
REF. NO. 630660 (2)

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1.0 INTRODUCTION

This Groundwater Investigation Report presents the results of the 2009 groundwater investigation at the former N.L. Industries Site, located at 3241 Walden Avenue in Depew, New York (Site). This report has been prepared by Conestoga-Rovers & Associates (CRA) on behalf of Cascades inc. (Cascades) in accordance with CRA's Proposal for Professional Services dated February 3, 2009. Metro Waste Paper Recovery Inc. (Metro), a subsidiary of Cascades and a member of Norampac Inc., currently occupies the Site.

The scope of the Groundwater Investigation was as follows:

- Advance six boreholes on Site;
- Complete all six boreholes as monitoring wells;
- Develop all newly installed groundwater monitoring wells and existing monitoring well MW99-1;
- Measure groundwater elevations to determine groundwater flow and direction;
- Complete one round of groundwater sampling, using low-flow sampling techniques, to characterize groundwater impact through laboratory analysis; and
- Survey groundwater monitoring wells for location and elevation.

Monitoring well MW99-1 was destroyed and could not be sampled.

This report is organized into the following sections:

1) Section 1.0 – Introduction: The introduction presents an overview of the investigation and CRA's scope of work.
2) Section 2.0 – Site Description, History, and Current Use: Descriptions of the Site location, physical condition, and current use are presented in Section 2.0.
3) Section 3.0 – Prior Environmental Investigations: Prior environmental investigations are discussed in Section 3.0.
4) Section 4.0 – Groundwater Investigation Activities: A summary of the field work conducted during the investigation is presented in Section 4.0.
5) Section 5.0 – Investigative Results: The results of the investigation are presented in Section 5.0, including a characterization of Site soils and groundwater conditions, and a presentation and discussion of the groundwater analytical data.

6) Section 6.0 – Conclusions: The investigative conclusions are presented in Section 6.0.

7) Section 7.0 – Signature Page: This report is submitted by CRA Infrastructure & Engineering, Inc.

2.0 SITE DESCRIPTION, HISTORY, AND CURRENT USE

The Site is located at 3241 Walden Avenue in Depew, New York. The Site location and Site layout are shown on Figures 1 and 2, respectively. The legal description of the property is Part of Lot 68, Township 11, Range 7 of the Holland Land Company's Survey in the Village of Depew, Town of Cheektowaga, County of Erie. The Site comprises approximately 7.5 acres and is bounded on the north by Walden Avenue and a mix of residential and commercial sites, on the east and west by commercial/industrial properties, and on the south by railway tracks, and a concrete mixing plant further to the south.

The Site includes one main building, located at the east side of the property. The building area is approximately 63,400 square feet (ft^2) [5,890 square metres (m^2)]. A rail siding is adjacent to the south side of the building. A paved truck loading/unloading yard and trailer parking area are situated to the west of the building. The paved trucking yard acts as a cap for historically impacted soil underneath. The central and western portions of the Site are undeveloped.

The Site was developed for industrial use beginning in 1892. Past on-Site activities included brass foundry operations, smelting operations, lead processing, and Babbitt processing. Babbitt is formed from an alloy of various metals, including lead, copper, and antimony. Brass is an alloy of copper and zinc. Waste produced from Site operations, including the dredged material from the former settling lagoon and waste foundry sands, was reportedly spread throughout the Site.

A former lagoon and marsh area is located at the south side of the central undeveloped area. The former lagoon and marsh area were covered with hydroseeded-topsoil in 1999, and then surrounded by a chain link fence. The entire central undeveloped portion of the Site was covered with an asphalt parking lot to eliminate potential direct human exposure with metals-impacted fill. The western portion of the Site was covered with imported fill, including construction debris (i.e., brick and large concrete fragments).

Metro Site operations occur on the east side of the property. Since 1974, the Site has been used for paper fibre recycling by various companies.

3.0 PRIOR ENVIRONMENTAL INVESTIGATIONS

CRA reviewed the Remedial Action Plan (RAP), prepared by Tighe & Bond in December 2006. Tighe & Bond was retained by Norampac to prepare the RAP as a voluntary action in accordance with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program. Tighe & Bond managed and served as lead engineer for the remediation project. The remediation strategy for the Site involved excavating lead-impacted soil from the western portion of the Site and consolidating it in the central portion. An asphalt parking lot was constructed, as a cap, on top of the consolidated and compacted material. To the west of the Site building, the truck loading/unloading yard and trailer parking area were paved to act as a cover cap for impacted soil underneath. Under the remediation strategy, the rail siding adjacent to the south of the building will be capped with geotextile fabric and crusher run or clear stone. Groundwater was not addressed in the RAP, as the criteria used to evaluate exceedances were developed for potable groundwater. Groundwater exceedances were deemed to be minor compared to drinking water standards. Groundwater at the Site was reported not to be a source of potable water, because the area is supplied by a public water system. The Site is a non-National Priorities List (NPL) site.

The RAP indicates that the Site is located in a commercial/industrial area and lies on a relatively flat parcel of land. The RAP reported that the Site is underlain by native overburden consisting of silt loam, silty clay, and bedrock. Tighe & Bond also indicated that fill material was encountered across the Site, ranging in depths from 2.9 to 11 feet below ground surface (ft bgs) (0.9 to 3.5 m bgs). The fill material consisted of various soils, including sand, gravel, and silty sand, in addition to metal waste.

Previous investigations conducted by NUS Corporation in the late 1980s, on behalf of the USEPA, identified the presence of elevated concentrations of polycyclic aromatic hydrocarbons (PAHs) and metals in surficial soils. The results of the investigation are presented in "Site Inspection Report, N.L. Industries/Buffalo Plant, Depew, New York", NUS Corporation, July 29, 1988.

Tighe & Bond completed subsurface investigations at the Site since 1998. Tighe & Bond investigations are summarized in:

- Limited Phase 1 Environmental Site Assessment, Former N.L. Industries Site, 3241 Walden Avenue, Depew, New York, dated June 11, 1999;
- Draft Limited Phase 2 Environmental Site Assessment, 3241 Walden Avenue, Depew, New York, dated February 10, 1999;

- Draft Limited Phase 2 Environmental Site Assessment, Former Oil Tanks Area, 3241 Walden Avenue, Depew, New York, dated February 10, 1999;
- Draft Additional Phase 2 Environmental Site Assessment, 3241 Walden Avenue, Depew, New York, dated May 18, 1999; and
- Draft Off-Site Surficial Soil Investigation, 3241 Walden Avenue, Depew, New York, dated July 26, 1999.

Off-Site surficial soil impacts were investigated by XCG Consultants Ltd. (XCG), under the oversight of New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH). The results are presented in a document entitled "Health consultation – four metals in soil on off-Site residential properties, Former NL Industries Site, Depew, Erie County, New York", dated June 8, 2004.

A remedial investigation/feasibility study (RI/FS) was completed by XCG Consultants Ltd. (XCG) and presented in a report entitled "Remedial Investigation/Feasibility Study, Former NL Industries Site, 3241 Walden Avenue, Depew, New York", dated December 21, 2004.

Previous investigations, conducted by NUS Corporation, Tighe & Bond, and XCG, have identified the presence of hydrocarbon odors in the fill, and concentrations of polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and metals in soils at the Site at levels greater than the Technical and Administrative Guidance Memorandum (TAGM 4046) Cleanup Objectives or Eastern USA/New York State Background Values.

Monitoring wells sampled during previous investigations included five historic wells installed by an unknown party: one installed within fill material of the former lagoon, three monitoring wells installed in the central undeveloped area, and one monitoring well installed in the trucking yard. In 1999, Tighe & Bond installed three monitoring wells – one in the parking lot, and two in the western undeveloped area. Seven of the eight monitoring wells were abandoned because of remediation activities consisting of excavation activities in the west undeveloped area, and due to consolidation and cap activities in the central undeveloped area. Previous investigations, also conducted by Tighe & Bond, identified the presence of metals, PAHs, and bromide in groundwater samples from the Site at concentrations greater than Technical and Operational Guidance Series (TOGS) 1.1.1 Standards or Guidance Values.

4.0 GROUNDWATER INVESTIGATION ACTIVITIES

The primary objective of the groundwater investigation was to monitor groundwater conditions at the Site. The investigation was focused on the area adjacent to the central undeveloped area on Site.

Summaries of the field activities are presented in the following subsections. CRA completed field activities, including soil borings, groundwater monitoring well installations, and groundwater sampling, in March and April 2009.

4.1 SOIL BORING INSTALLATION

A total of six soil borings were advanced during this investigation to characterize groundwater. The soil boring locations are as follows:

i) Five boreholes were advanced adjacent to the central undeveloped area on Site (MW-101, MW-102, MW-103, MW-104, MW-105).

ii) One borehole was advanced within the impacted fill material (MW-106F). At the request of NYSDEC, MW-106F was installed only within the impacted fill material for the purpose of assessing the presence of perched soil water.

CRA contracted SJB Drilling Services, Inc., a New York state licensed well driller, to install the boreholes. Five soil borings were advanced into the first saturated zone, to a maximum depth of 27.3 ft bgs. All boreholes/monitoring wells were advanced using a rotary drill rig equipped with 11-centimetre (4.25-inch) internal diameter hollow stem augers (HSA). Continuous overburden soil samples were collected in 0.6-metre (2-foot) intervals using a 50-millimetre (2-inch) outside diameter split-spoon sampler. Soil samples were logged by a CRA technician, and included detailed geologic conditions encountered, soil classification, stratigraphy, relative moisture content, and photoionization detector (PID) headspace readings (for undifferentiated VOCs). Stratigraphic logs are presented in Appendix A. Soil cuttings generated during the installation activities were stored in 55-gallon DOT-approved drums, sampled for waste characterization, labeled, and staged at the Site for disposal at a later date.

As directed by Cascades, collected soil samples were not submitted for laboratory analyses.

4.2 GROUNDWATER MONITORING WELL INSTALLATION

Following completion of the boreholes, each location was converted to a new groundwater monitoring well (identified as MW-101, MW-102, MW-103, MW-104, MW-105, and MW-106F). Note that installation of monitoring well MW-102 was completed after the others due to the presence of overhead power lines in the only accessible location south of the capped area. New York State Electric & Gas (NYSEG) sent a representative to the Site to approve the clearance and grounding procedures.

Five of the six monitoring wells were constructed of a 3-m (10-ft) section of 1.5-inch, No. 10, pre-packed, manufactured slotted well screen, followed by 50-mm (2-inch) diameter Schedule 40 polyvinyl chloride (PVC) riser pipe. Due to the shallower depth of monitoring well MW-106F, which was installed into impacted fill material, it was constructed of a 1.5-m (5 ft) section of 1.5-inch, No. 10, pre-packed, manufactured slotted well screen, followed by 50-mm (2-inch) diameter Schedule 40 PVC riser pipe. Suitably graded sand pack was installed around the well screen, to a depth of approximately 2 feet above the top of the pre-packed screen. Above the well screen and sand pack, the void around the monitoring wells was filled with 2 feet of bentonite hole plug, and sealed to the surface with a cement/bentonite grout mixture. An 8-inch steel protective flushmount casing was installed to protect each well.

All of the monitoring wells installed during the groundwater investigation were drilled to a depth of 25 to 27 ft bgs, with the exception of MW-106F, which was drilled to a depth of 11 ft bgs.

Drilling equipment that came into contact with the soil was thoroughly decontaminated using a clean, hot water, high-pressure, low volume washer before each use. Water used in the decontamination process was contained inside two 55-gallon steel drums.

Groundwater monitoring well locations are shown on Figure 2. Table 1 presents the installation details of each of the six monitoring wells, including installed depths, screened length and intervals, and surveyed elevations. Well diagrams and construction details are provided on the stratigraphic logs presented in Appendix A.

4.3 GROUNDWATER SAMPLING

Samples were collected into laboratory-supplied sample containers specific to the matrix and analytical parameters. All samples scheduled for laboratory analyses were submitted to TestAmerica Inc. (TestAmerica, formerly Severn Trent Laboratories) in

North Canton, Ohio, under standard chain of custody (COC) procedures. From the time of collection to the time of submission to the laboratory, each sample was stored in a cooler to maintain a maximum sample temperature of less than 4°C.

CRA developed the monitoring wells two weeks after installation, to ensure that groundwater samples collected were representative of the groundwater in the formation in the vicinity of the well. CRA removed a minimum of three well volumes of groundwater from each well, and measured groundwater pH, temperature, conductivity, and turbidity to verify stabilization of the water within the well. Stabilization of groundwater was achieved when each of the field parameters was within 10 percent of the average over three consecutive readings, or in the case of pH, a minimum of three consecutive readings were within 1 standard unit of the average. In addition, as metals are a contaminant of concern at the Site, efforts were made to develop the wells with a resulting turbidity of less than 50 Nephelometric turbidity units (NTUs).

If, after three well volumes were removed, the field parameters had not stabilized according to the above criteria, additional well volumes (up to five well volumes) were removed. If the well purged dry, the well was allowed to recover overnight and sampled the following day.

Monitoring wells were allowed to recover a minimum of 24 hours following development, prior to completing sampling activities. CRA used low-flow field sampling procedures. All wells were sampled within 24 hours of completing the purging activities.

CRA collected one round of groundwater samples from the six new on-Site wells in April 2009. Existing on-Site monitoring well MW99-1 has been destroyed and could not be sampled. The flushmount casing of MW99-1 was destroyed, and the well was filled with dirt, debris, and gravel. The groundwater samples were submitted for Target Compound List (TCL) VOCs, semi-volatile organic compounds (SVOCs), and Target Analyte List (TAL) metals. For quality control purposes and to aid in the data validation process, CRA submitted one duplicate groundwater sample. A summary of groundwater sampling information, including wells sampled, water levels, purging information, field parameter measurements, and laboratory analysis, is presented in Table 2. Well development and purging records are presented in Appendix B.

One composite soil sample was collected from the drummed auger cuttings and submitted for Toxicity Characteristic Leaching Procedure (TCLP) analysis. TCLP testing

was conducted for VOC, SVOC, and metals analyses on the soil to determine disposal requirements.

5.0 INVESTIGATIVE RESULTS

5.1 SOIL CONDITIONS

The fill encountered at the Site ranged in thickness from 2 ft (0.6 m) to 6 ft (1.8 m), with the thickest fill encountered around and within the central undeveloped area at MW-101, MW-102, MW-104, and MW-106F. The fill consisted of silt and gravel, fine to coarse-grained sand, and clay. Cinders and brick fragments were also encountered in the fill.

The native soils underlying the fill generally consist of clay and silt, trace gravel, and bedrock. The top of bedrock was observed only in MW-103, occurring at a depth of 27.3 ft bgs.

5.2 GROUNDWATER CONDITIONS

Based on the groundwater level measurements collected by CRA on April 14, 2009, it appears that groundwater flow occurs in a generally northerly direction. Water level measurements collected from MW-106F were not used in the determination of groundwater flow, as MW-106F was screened at the bottom of the fill adjacent to the central undeveloped area. Groundwater present in MW-106F was representative of a layer of perched groundwater, present above the native clay material. Groundwater contours generated for the round of measurements are presented on Figure 3.

5.3 GROUNDWATER ANALYTICAL RESULTS

The groundwater data resulting from the field activities were reviewed for quality assurance. The following subsections present a discussion of the analytical results. Laboratory analytical reports for groundwater samples are contained electronically in Appendix C. Data Validation reports are provided in Appendix D.

A summary of the compounds detected and exceedances of groundwater criteria in the groundwater samples is presented in Table 3. Analytical results were compared to the standards listed in NYSDEC 6 NYCRR Part 703.5 New York State Water Quality Standards (Standards). Where no standard was given, guidance values per NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (June 1998) were used. Exceedances are shown on Figure 4.

5.3.1 VOLATILE/SEMI-VOLATILE ORGANIC COMPOUNDS

The only VOC that was detected above Standards or Guidance Values was in the perched groundwater sample from MW-106F. Acetone was detected at a concentration of 71 µg/L, which exceeded the TOGS Guidance Value of 50 µg/L. Acetone was not detected in any laboratory QA/QC samples, including the method blank. However, acetone is a common laboratory contaminant. No other VOCs were detected in groundwater samples at concentrations greater than water quality standards or guidance values.

No exceedances of SVOCs were observed in the groundwater samples.

5.3.2 METALS

Total metals were analyzed in groundwater samples from all six monitoring wells (MW-101, MW-102, MW-103, MW-104, MW-105, and MW-106F). Concentrations of magnesium and sodium were detected in all wells at concentrations greater than their respective TOGS guidance values and groundwater quality standards of 35,000 µg/L and 20,000 µg/L, respectively. Concentrations of iron were detected at concentrations greater than the groundwater quality standard of 300 µg/L in samples from all wells except MW-104. Antimony was detected above the groundwater quality standard of 3.0 µg/L in the samples from MW-106F and MW-101. Manganese was also detected at a concentration greater than the groundwater quality standard of 300 µg/L in the sample from MW-105. The following table presents a summary of groundwater metal concentrations that were greater than water quality standards or guidance values.

Parameter	*Water Quality Standards (µg/L)*	*Guidance Values (µg/L)*	*Location(s)*	*Concentration Range (µg/L)*
Antimony	3	--	MW-101 and MW-106F	5.7 – 34.9
Iron	300	--	MW-101, MW-102, MW-103, MW-105, and MW-106F	541 – 19,000
Magnesium	--	35,000	All	46,000 – 108,000
Manganese	300	--	MW-105	478
Sodium	20,000	--	All	30,200 – 100,000

6.0 CONCLUSIONS

The following conclusions have been drawn from the groundwater investigation performed at the Site.

The central undeveloped area contains lead-impacted soil that was excavated from the western portion of the Site. Six monitoring wells were installed adjacent to the central undeveloped area. The existing on-Site monitoring well MW99-1 was destroyed and could not be sampled. Groundwater samples collected from the monitoring wells contained concentrations of acetone, antimony, iron, magnesium, manganese, and sodium that were greater than groundwater quality standards or TOGS guidance values. Lead was present in groundwater samples at concentrations less than the groundwater quality standard of 25 µg/L.

The one exceedance of acetone may have been the result of laboratory contamination, although acetone was not detected in any laboratory QA/QC samples. The concentration of antimony in the groundwater sample from MW-101 was likely due to historical Site activities. Iron, magnesium, manganese, and sodium are common elements contained in soils and are also typically present in groundwater.

Depew, New York is served by a public water supply system. The area surrounding the Site is a well-developed urbanized area with no reported water supply wells; therefore, exposure to contaminants in shallow groundwater is not expected.

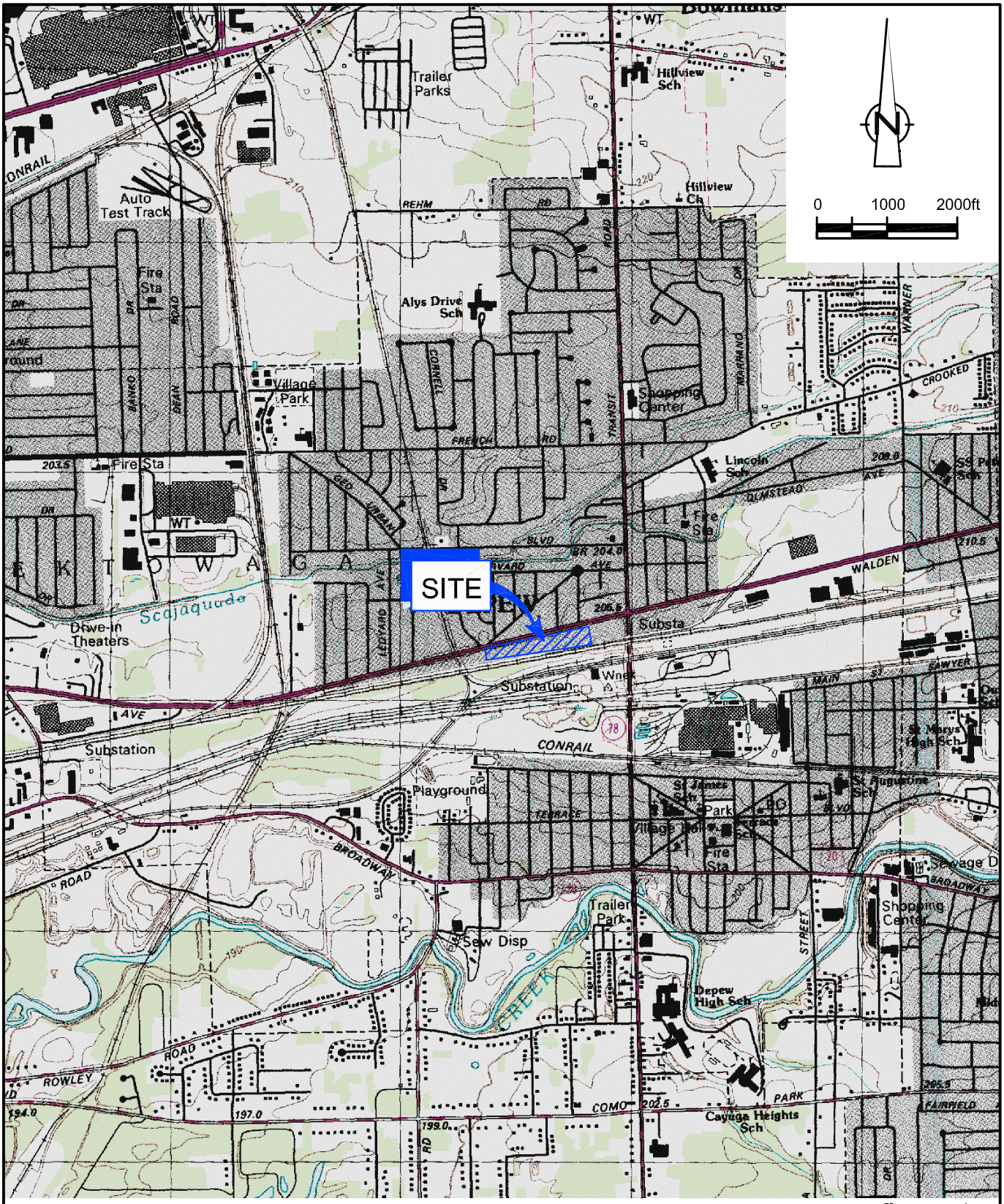
7.0 SIGNATURE PAGE

All of Which is Respectfully Submitted,
CRA INFRASTRUCTURE & ENGINEERING, INC.

Robert G. Adams

Robert G. Adams, P.E.
New York State License Number 064918

6/1/09
Date



SOURCE : USGS QUADRANGLE MAP:
LANCASTER, NEW YORK

figure 1

SITE LOCATION MAP
FORMER N.L. INDUSTRIES SITE REMEDIATION
3241 WALDEN AVENUE
Depew, New York

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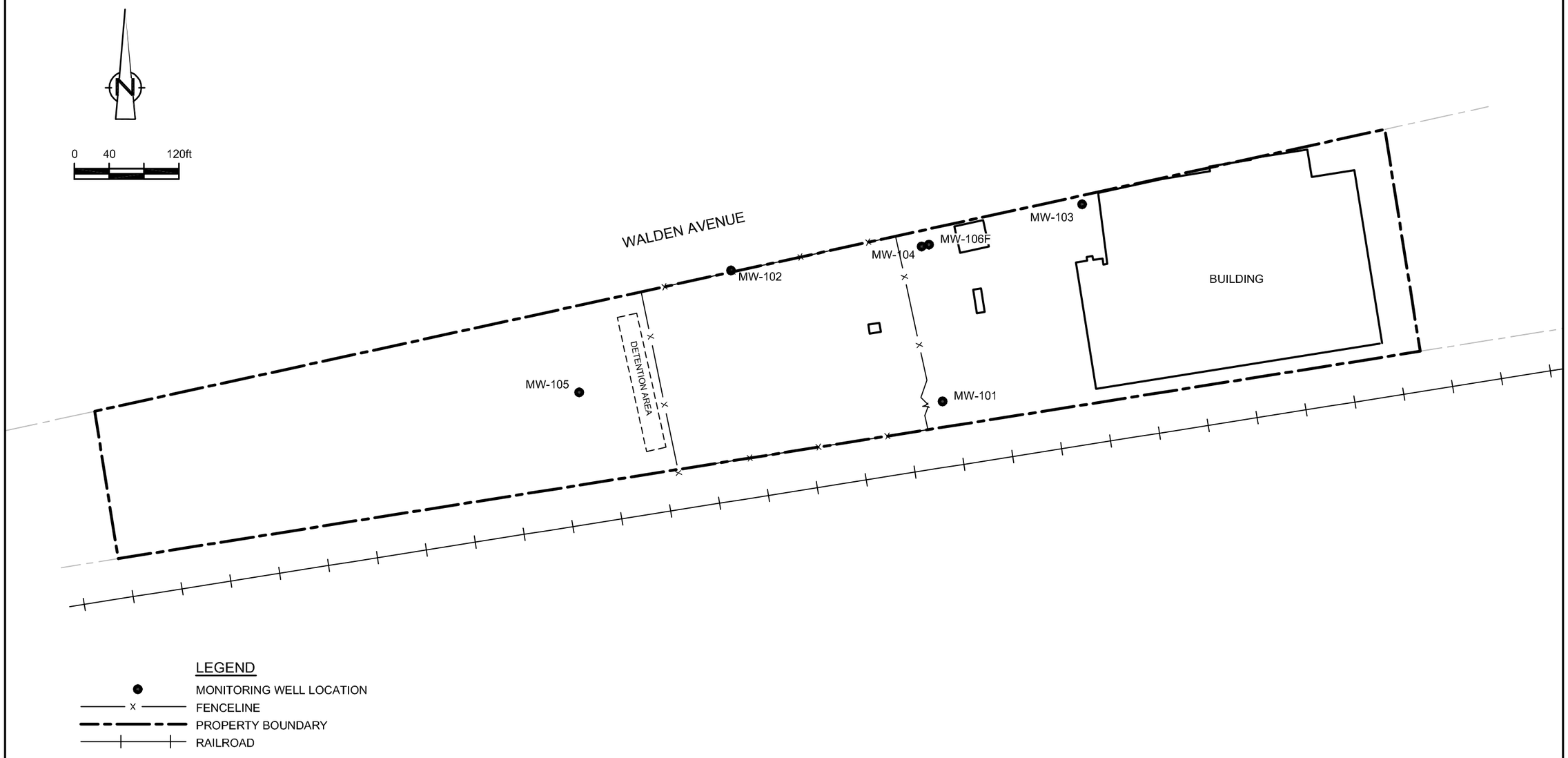

SOURCE: DRAWING FILE (MWL-126254-01.dwg)
FROM TIGHE & BOND
(MIDDLETOWN, CONNECTICUT)

figure 2

SITE LAYOUT
FORMER N.L. INDUSTRIES SITE REMEDIATION
3241 WALDEN AVENUE
Depew, New Yourk

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LEGEND

MW-101 MONITORING WELL LOCATION

FENCELINE

PROPERTY BOUNDARY

RAILROAD

676.05 GROUNDWATER ELEVATION (ft.)

676 GROUNDWATER ELEVATION CONTOUR (ft.)

GROUNDWATER FLOW DIRECTION

N

0 20 60ft

WALDEN AVENUE

MW-102
671.78

MW-103
669.44

MW-104
665.24

MW-106F

MW-105
668.68

MW-101
676.05

BUILDING

DETENTION AREA

671 670 669 668 667 999 999 667 668 669 670 671 672 673 674 675

669 670 671 672 673 674 675

SOURCE: DRAWING FILE (MWL-126254-01.dwg)
FROM TIGHE & BOND
(MIDDLETOWN, CONNECTICUT)

figure 3

GROUNDWATER ELEVATION CONTOURS
FORMER N.L. INDUSTRIES SITE REMEDIATION
3241 WALDEN AVENUE
Depew, New York

630660-00(002)GN-WA003 MAY 12/2009

LEGEND

- MW-101 — MONITORING WELL LOCATION
- FENCELINE
- PROPERTY BOUNDARY
- RAILROAD

MW-104	4/15/2009
Magnesium	101000
Sodium	61200

- SAMPLE IDENTIFICATION
- SAMPLE DATE
- CONCENTRATION (µg/L)
- PARAMETER

583 / 902 — RESULT/FIELD DUPLICATE RESULT

	NEW YORK STATE WATER QUALITY STANDARD	NYSDEC TOGS GUIDANCE VALUE
PARAMETER	(µg/L)	(µg/L)
Acetone	--	50
Antimony	3	--
Iron	300	--
Magnesium	--	35,000
Manganese	300	--
Sodium	20,000	--

N

0 20 60ft

WALDEN AVENUE

DETENTION AREA

BUILDING

MW-102	4/15/2009
Iron	583 / 902
Magnesium	107000 / 106000
Sodium	61700 / 61000

MW-102

MW-104	4/15/2009
Magnesium	101000
Sodium	61200

MW-106F	4/15/2009
Acetone	71
Antimony	5.7
Iron	2380
Magnesium	46000
Sodium	84900

MW-104

MW-106F

MW-103	4/15/2009
Iron	541
Magnesium	108000
Sodium	100000

MW-103

MW-105	4/15/2009
Iron	19000
Magnesium	107000
Manganese	478
Sodium	30200

MW-105

MW-101	4/15/2009
Antimony	34.9
Iron	935
Magnesium	84300
Sodium	57100

MW-101

SOURCE: DRAWING FILE (MWL-126254-01.dwg)
FROM TIGHE & BOND
(MIDDLETOWN, CONNECTICUT)

figure 4

AREAS OF GROUNDWATER IMPACT
FORMER N.L. INDUSTRIES SITE REMEDIATION
3241 WALDEN AVENUE
Depew, New York

630660-00(002)GN-WA004 MAY 13/2009

TABLE 1

SUMMARY OF MONITORING WELL DETAILS
3241 WALDEN AVE.
CASCADES, INC.
DEPEW, NEW YORK

Well ID	*Date of Installation*	*Depth of Installation (ft bgs)*	*Top of Riser Elevation (ft above AMSL)*	*Bottom of Well Elevation (ft above AMSL)*	*Screen Length (ft)*	*Screened Interval (ft bgs)*
MW-101	23-Mar-2009	27.3	678.03	652.93	10	661.03 - 651.03
MW-102	27-Mar-2009	25.2	675.67	651.07	10	660.56 - 650.56
MW-103	23-Mar-2009	27	677.56	650.86	10	660.57 - 650.57
MW-104	24-Mar-2009	27.1	677.06	650.56	10	660.06 - 650.06
MW-105	25-Mar-2009	26	675.48	651.18	10	659.41 - 649.41
MW-106F	25-Mar-2009	11	677.43	667.13	5	671.38 - 666.38

Notes:

ft bgs	feet below ground surface
AMSL	above mean sea level

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE COLLECTION AND ANALYSIS DETAILS
3241 WALDEN AVE.
CASCADES, INC.
DEPEW, NEW YORK

Well ID	*Sample Management Date*	*Depth to Water (ft below top of riser)*	*Water Elevation (ft above AMSL)*	*Sampling Method*	*Approximate Volume Purged (L)*	*pH*	*Turbidity (NTU)*	*Temperature (C)*	*Conductivity (mS/cm)*	*DO (mg/L)*	*Analysis/Parameters*			
											TCL VOCs	*TCL SVOCs*	*Total TAL Metals*	
MW-101	04/14/09	2.91	675.12	Low Flow	2.00	7.10	45.80	10.50	1.24	16.62	*X*	*X*	*X*	
MW-102	04/14/09	3.46	672.21	Low Flow	2.50	6.45	0.00	10.20	1.43	0.53	*X*	*X*	*X*	Duplicate
MW-103	04/14/09	4.88	672.68	Low Flow	2.00	6.54	60.80	11.00	1.91	3.32	*X*	*X*	*X*	
MW-104	04/14/09	5.62	671.44	Low Flow	2.00	6.77	0.00	12.20	1.41	4.43	*X*	*X*	*X*	
MW-105	04/14/09	6.61	668.87	Low Flow	2.00	7.19	84.90	9.70	0.81	3.84	*X*	*X*	*X*	
MW-106F	04/14/09	8.53	668.90	Low Flow	--	--	--	--	--	-	*X*	*X*	*X*	

Notes:

MW106F stability parameters were not measured, due to extremely low well volume.

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
3241 WALDEN AVE.
CASCADES INC.
DEPEW, NEW YORK

			Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*	*MW-105*	*MW-106F*
			Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*	*WG-630660-041509-JJW-003*	*WG-630660-041509-JJW-007*	*WG-630660-041509-JJW-004*
			Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
						Duplicate				
	New York State Water Quality									
Parameters	*Standards a*	*Guidance Values b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.04	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	NC	50		0.75 J	10 U	10 U	10 U	10 U	1.2 J	0.67 J
2-Hexanone	NC	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NC	NC		10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Acetone	NC	50		1.1 J	10 U	10 U	10 U	10 U	3.8 J	71 [b]
Benzene	1	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.79 J	1.0 U
Bromodichloromethane	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.46 J
Bromoform	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	60		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	7	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1
Chloromethane (Methyl Chloride)	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	NC	NC		1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Cyclohexane	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	5	NC		1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Ethylbenzene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	NC	NC		1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	NC	10		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U
trans-1,2-Dichloroethene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	NC	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.73 J	2.0 U
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	NC	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	NC	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	5	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	NC	50		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	NC	10		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	5	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	5	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	NC	10		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	NC	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	5	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	NC	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	5	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	5	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	NC	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	NC	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	NC	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	5	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	NC	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroaniline	5	NC		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	NC	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	NC	20		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
3241 WALDEN AVE.
CASCADES INC.
DEPEW, NEW YORK

			Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*	*MW-104*	*MW-105*	*MW-106F*
			Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*	*WG-630660-041509-JJW-003*	*WG-630660-041509-JJW-007*	*WG-630660-041509-JJW-004*
			Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
						Duplicate				
	New York State Water Quality									
Parameters	*Standards a*	*Guidance Values b*								
Semi-Volatile Organic Compounds (cont'd)										
Acenaphthylene	NC	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acetophenone	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5
Anthracene	NC	50		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Atrazine	7.5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzaldehyde	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzo(a)anthracene	NC	0.002		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	NC	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	NC	0.002		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	NC	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(k)fluoranthene	NC	0.002		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Biphenyl	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethoxy)methane	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl)ether	1	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	5	NC		2.0 U	2.0 U	5.7 U	6.0 U	2.0 U	2.0 U	2.0 U
Butyl benzylphthalate	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Caprolactam	NC	NC		130	5.0 U	5.0 U	5.0 U	18	5.0 U	5.0 U
Carbazole	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	NC	0.002		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenz(a,h)anthracene	NC	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butylphthalate	50	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	NC	50		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.25
Fluorene	NC	50		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	0.04	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	0.5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	5	NC		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	NC	0.002		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	1.0 U
Naphthalene	NC	10		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	0.4	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodi-n-propylamine	NC	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	NC	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	1	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	NC	50		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.23
Phenol	1	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	NC	50		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Metals										
Aluminum	NC	NC		849	479	747	304	119 J	13100	3200
Antimony	3	NC		**34.9[a]**	0.21 J	0.26 J	0.28 J	0.22 J	0.45 J	**5.7[a]**
Arsenic	25	NC		3.1 J	0.94 J	1.1 J	1.8 J	8.2	4.0 J	1.9 J
Barium	1000	NC		156 J	69.5 J	70.7 J	90.8 J	42.6 J	172 J	114 J
Beryllium	NC	3		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.58 J	5.0 U
Cadmium	5	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Calcium	NC	NC		67200	85200	84200	109000	58100	252000	84900
Chromium	50	NC		2.0 J	1.2 J	1.9 J	10.0 U	10.0 U	23.6	11.0
Cobalt	NC	NC		1.3 J	0.76 J	0.85 J	0.46 J	0.20 J	6.0 J	0.60 J
Copper	200	NC		44.8	4.5 J	6.1 J	25.0 U	25.0 U	21.8 J	25.1
Iron	300	NC		**935[a]**	**583[a]**	**902[a]**	**541[a]**	251	**19000[a]**	**2380[a]**
Lead	25	NC		10.9	2.4	3.6	0.37 J	0.66 J	14.9	18.2
Magnesium	NC	35000		**84300[b]**	**107000[b]**	**106000[b]**	**108000[b]**	**101000[b]**	**107000[b]**	**46000[b]**
Manganese	300	NC		173	110	110	49.7	18.8	**478[a]**	58.9
Mercury	0.7	NC		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.17 J	0.20 U
Nickel	100	NC		3.5 J	1.1 J	1.7 J	1.2 J	0.49 J	20.0 J	2.5 J
Potassium	NC	NC		12500	3100 J	3110 J	3780 J	2440 J	13600	7110
Selenium	10	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.9 J
Silver	50	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Sodium	20000	NC		**57100[a]**	**61700[a]**	**61000[a]**	**100000[a]**	**61200[a]**	**30200[a]**	**84900[a]**
Thallium	NC	0.5		0.26 J	1.0 U	1.0 U	1.0 U	1.0 U	0.18 J	1.0 U
Vanadium	NC	NC		2.4 J	0.79 J	1.3 J	0.56 J	50.0 U	23.6 J	3.4 J
Zinc	NC	2000		45.0 U	20.0 U	20.0 U	20.0 U	20.0 U	63.8 U	36.0 U

Notes:

All concentrations are expressed in units of micrograms per litre (µg/L), unless otherwise noted.
51 - Concentration was greater than applicable criteria.
U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
-- - Not available.
NC - No criteria.
a - New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 703.5 New York State Water Quality Standards.
b - NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998).

APPENDIX A

STRATIGRAPHIC LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Cascades - Depew
PROJECT NUMBER: 630660
CLIENT: Cascades Inc.
LOCATION: Depew, New York

HOLE DESIGNATION: MW-101
DATE COMPLETED: 23 March 2009
DRILLING METHOD: 4.25" HSA
FIELD PERSONNEL: J. Williams

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft Site Datum	Monitoring Well	SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOP OF CASING	678.03						
	GROUND SURFACE	678.03						
0	ASPHALT	677.53	CONCRETE	SS1		1.0	30	0
2	GM-SILT and GRAVEL, some sand, fine grained sand, angular gravel, black, dry (FILL)							
		675.13	CEMENT/ BENTONITE GROUT	SS2		2.0	15	0
	CL-CLAY, little silt, stilff, low plasticity, brown, dry (FILL)	674.53						
4		674.03		SS3		2.0	3	0
	SP-SAND, little gravel, fine grained sand, angular gravel, red/black, moist to wet (FILL)							
6	ML-SILT, some sand and cinders, fine grained sand, black, moist to wet (FILL)	671.73	2"Ø PVC WELL CASING	SS4		2.0	35	0
	CL-CLAY, little silt, stilff, low plasticity, red/brown, dry to moist							
8				SS5		2.0	28	0
10				SS6		2.0	24	0
12				SS7		2.0	59	0
14			BENTONITE					
				SS8		2.0	13	0
16	- trace angular gravel, becoming soft, medium plasticity, brown, moist below 15.5 ft BGS - some silt, little subrounded gravel, moist to wet below 16 ft BGS			SS9		2.0	16	0
18								
			WELL SCREEN	SS10		2.0	25	0
20								
			SAND PACK	SS11		1.5	>50	
22	- spoon refusal-rock, auger from 21.6 to 27.3 ft BGS - very soft, high plasticity below 22 ft BGS							
			8"Ø BOREHOLE	SS12		2.0	11	
24								
	- some angular gravel and medium to coarse sand, wet below 24.7 ft BGS			SS13		2.0	17	
26	- dry to moist below 26 ft BGS							
				SS14		1.5	>100	
		650.73						
28	END OF BOREHOLE @ 27.3ft BGS							
	Spoon Refusal @ 27.3 ft BGS							
30								
32								
34								
36								

WELL DETAILS
Screened interval:
661.03 to 651.03ft Site Datum
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
665.03 to 663.03ft Site Datum
13.00 to 15.00ft BGS
Material: BENTONITE
Sand Pack:
663.03 to 650.73ft Site Datum
15.00 to 27.30ft BGS
Material: #1 SAND

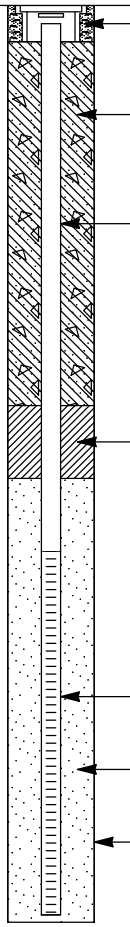
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Cascades - Depew
PROJECT NUMBER: 630660
CLIENT: Cascades Inc.
LOCATION: Depew, New York

HOLE DESIGNATION: MW-102
DATE COMPLETED: 27 March 2009
DRILLING METHOD: 4.25" HSA
FIELD PERSONNEL: J. Williams

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft Site Datum
	TOP OF CASING	675.67
	GROUND SURFACE	675.56
0	ML-SILT, some clay, little rounded gravel, firm, dark brown, moist (TOPSOIL)	
2		673.06
4	ML-SILT, little clay and gravel, firm, dark brown to black, moist (FILL) - wet below 4.5 ft BGS	670.16
6	CL-CLAY, little silt, stiff, brown, moist - red/brown, dry to moist below 6.8 ft BGS	
8	- little subrounded to subangular gravel below 8.2 ft BGS	
10		
12	- brown below 13 ft BGS	
14		
16	GM-SILT and GRAVEL, some medium to coarse grained sand, brown, wet	659.56 659.06
18	CL-CLAY, little angular to rounded gravel, soft, high plasticity, brown, very moist	
20		
22	- some gravel, moist to wet below 22 ft BGS	
24	- firm, dense, moist below 24 ft BGS - rock fragments between 25 and 25.2 ft BGS	650.36
26	END OF BOREHOLE @ 25.2ft BGS	
28		
30		
32		
34		
36		



WELL DETAILS
Screened interval:
660.56 to 650.56ft Site Datum
15.00 to 25.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
664.56 to 662.56ft Site Datum
11.00 to 13.00ft BGS
Material: BENTONITE
Sand Pack:
662.56 to 650.36ft Site Datum
13.00 to 25.20ft BGS
Material: #1 SAND

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
SS1		1.5	12	0
SS2		1.0	9	0
SS3		1.5	3	0
SS4		1.5	29	0
SS5		2.0	26	0
SS6		1.7	19	0
SS7		2.0	25	0
SS8		2.0	10	0
SS9		2.0	13	0
SS10		2.0	10	0
SS11		0.0	12	
SS12		1.5	25	0
SS13			>50	

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Cascades - Depew
PROJECT NUMBER: 630660
CLIENT: Cascades Inc.
LOCATION: Depew, New York

HOLE DESIGNATION: MW-103
DATE COMPLETED: 23 March 2009
DRILLING METHOD: 4.25" HSA
FIELD PERSONNEL: J. Williams

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft Site Datum
	GROUND SURFACE	677.57
	TOP OF CASING	677.56
0	ASPHALT	677.07
	ML-SILT, little gravel, black, moist (FILL)	676.57
2	FILL-yellow brick fragments	675.37
	CL-CLAY, little silt, stilff, low plasticity, brown, moist	
4		
6	- red-brown, dry to moist below 6 ft BGS	
8		
10	- little subrounded gravel, medium plasticity, moist below 9.2 ft BGS	667.37
	ML-SILT, little subrounded gravel, trace clay, medium soft, brown, moist	
12		
14	- trace fine sand, soft, gray-brown below 14.3 ft BGS	
16		
18		
20	- bedrock fragment @ 20.5 ft BGS	
22		
24		
26		
	- some angular gravel and coarse sand, moist to wet below 26.7 ft BGS	650.57
28	END OF BOREHOLE @ 27.0ft BGS	
	Spoon Refusal @ 27 ft BGS	
30		
	Top of bedrock	
32		
34		
36		

Monitoring Well: CONCRETE; CEMENT/ BENTONITE GROUT; 2"Ø PVC WELL CASING; BENTONITE; WELL SCREEN; SAND PACK; 8"Ø BOREHOLE

WELL DETAILS
Screened interval:
660.57 to 650.57ft Site Datum
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
664.57 to 662.57ft Site Datum
13.00 to 15.00ft BGS
Material: BENTONITE
Sand Pack:
662.57 to 650.57ft Site Datum
15.00 to 27.00ft BGS
Material: #1 SAND

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
SS1		0.8	7	0
SS2		1.0	14	0
SS3		2.0	24	0
SS4		2.0	36	0
SS5		2.0	17	0
SS6		2.0	37	0
SS7		1.7	17	0
SS8		2.0	9	0
SS9		2.0	14	
SS10		0.0	10	0
SS11		0.8	15	0
SS12		2.0	21	0
SS13		1.0	15	0
SS14		1.0	>50	0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Cascades - Depew
PROJECT NUMBER: 630660
CLIENT: Cascades Inc.
LOCATION: Depew, New York

HOLE DESIGNATION: MW-104
DATE COMPLETED: 24 March 2009
DRILLING METHOD: 4.25" HSA
FIELD PERSONNEL: J. Williams

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft Site Datum
	TOP OF CASING	677.06
	GROUND SURFACE	677.06
0	ASPHALT	676.56
2	GM-SILT and GRAVEL, some red brick fragments, firm, angular gravel, brown and black, moist (FILL)	
	- some medium to coarse sand and cinders below 2.3 ft BGS	
4	- wet between 2.5 and 2.7 ft BGS	
	- soft, brown below 4 ft BGS	
6		670.76
	SM-SAND, some silt, medium grained, brown, wet	670.56
		670.06
8	ML-SILT, some clay, firm, brown, moist	669.06
	SM-SAND, some silt, medium grained, brown, wet	
10	CL-CLAY, little silt, stilff, low plasticity, red/brown, moist	
	- brown, dry to moist below 11.4 ft BGS	
12		
14	- little subrounded to subangular gravel, gray/brown, moist below 14.3 ft BGS	
	- medium plasticity below 15.4 ft BGS	
16		
18		
20	- high plasticity, moist to wet below 20 ft BGS	
22		
24		
26	- rock fragments, gray, dry below 26.6 ft BGS	650.46
	END OF BOREHOLE @ 26.6ft BGS	
28		
30		
32		
34		
36		

Monitoring Well: CONCRETE; CEMENT/ BENTONITE GROUT; 2"Ø PVC WELL CASING; BENTONITE; WELL SCREEN; SAND PACK; 8"Ø BOREHOLE

WELL DETAILS
Screened interval:
660.06 to 650.06ft Site Datum
17.00 to 27.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
664.46 to 662.26ft Site Datum
12.60 to 14.80ft BGS
Material: BENTONITE
Sand Pack:
662.26 to 649.96ft Site Datum
14.80 to 27.10ft BGS
Material: #1 SAND

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
SS1		1.5	8	0
SS2		1.2	5	0
SS3		1.5	7	0
SS4		1.3	6	0
SS5		2.0	21	0
SS6		2.0	16	0
SS7		2.0	33	0
SS8		2.0	18	0
SS9		2.0	23	0
SS10		1.0	19	0
SS11		2.0	12	0
SS12		2.0	16	0
SS13		1.7	12	0
SS14		0.7	>50	0

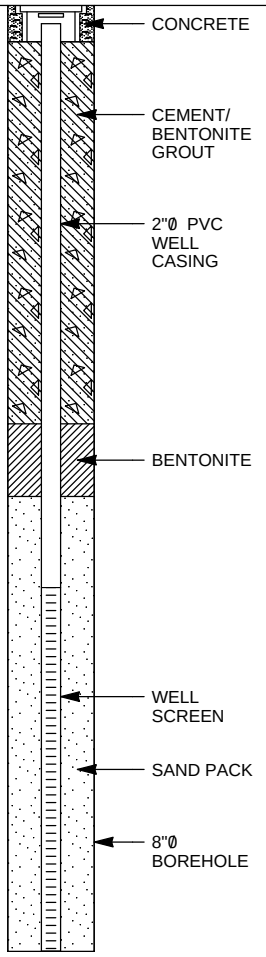
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Cascades - Depew
PROJECT NUMBER: 630660
CLIENT: Cascades Inc.
LOCATION: Depew, New York

HOLE DESIGNATION: MW-105
DATE COMPLETED: 25 March 2009
DRILLING METHOD: 4.25" HSA
FIELD PERSONNEL: J. Williams

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft Site Datum
	TOP OF CASING	675.48
	GROUND SURFACE	675.41
0	ML-SILT, trace sand and clay, fine grained sand, brown, moist (TOPSOIL)	
2		672.91
	ML-SILT, trace clay, stiff, red/brown, moist	
4	- brown, dry to moist below 4 ft BGS	
6		
8		
	- little subangular to subrounded gravel below 9 ft BGS	
10	- low plasticity, moist below 10.5 ft BGS	
12	- trace gravel, medium soft, medium plasticity below 12 ft BGS	
14		
16		
	- becoming moist to wet below 17.2 ft BGS	
18		
20	- SM-SAND and SILT layer, some clay, soft, brown, wet between 19.8 and 20.4 ft BGS	
	- rock fragments below 20.4 ft BGS	
22		653.41
	GM-SILT and GRAVEL, some sand, dense, fine grained sand, angular gravel, gray to brown, dry	
24		
26		649.41
	END OF BOREHOLE @ 26.0ft BGS	
28		
30		
32		
34		
36		



WELL DETAILS
Screened interval:
659.41 to 649.41ft Site Datum
16.00 to 26.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
663.91 to 661.91ft Site Datum
11.50 to 13.50ft BGS
Material: BENTONITE
Sand Pack:
661.91 to 649.41ft Site Datum
13.50 to 26.00ft BGS
Material: #1 SAND

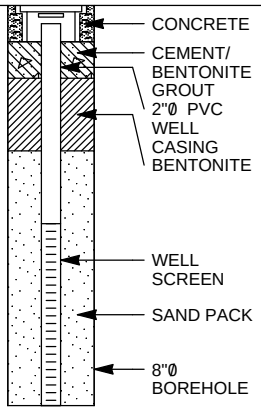
SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
SS1		0.2	7	0
SS2		1.5	12	0
SS3		2.0	25	0
SS4		2.0	34	0
SS5		2.0	28	0
SS6		2.0	25	0
SS7		2.0	32	0
SS8		2.0	14	0
SS9		2.0	25	0
SS10		2.0	7	0
SS11		1.0	>50	0
SS12		1.2	>50	0
SS13		2.0	>50	0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Cascades - Depew
PROJECT NUMBER: 630660
CLIENT: Cascades Inc.
LOCATION: Depew, New York

HOLE DESIGNATION: MW-106F
DATE COMPLETED: 25 March 2009
DRILLING METHOD: 4.25" HSA
FIELD PERSONNEL: J. Williams

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft Site Datum	Monitoring Well	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE
	TOP OF CASING GROUND SURFACE	677.43 677.38					
0	Not Sampled (Refer to MW-104 for stratigraphy)						
10	END OF BOREHOLE @ 11.0ft BGS	666.38	WELL DETAILS Screened interval: 671.38 to 666.38ft Site Datum 6.00 to 11.00ft BGS Length: 5ft Diameter: 2in Slot Size: 10 Material: PVC Seal: 675.38 to 673.38ft Site Datum 2.00 to 4.00ft BGS Material: BENTONITE Sand Pack: 673.38 to 666.38ft Site Datum 4.00 to 11.00ft BGS Material: #1 SAND				

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 630660.GPJ CRA_CORP.GDT 13/5/09

APPENDIX B

WELL DEVELOPMENT AND PURGING RECORDS

MW-103 Development

Date 4/14/09
Time 1220
W/L 8.12
Depth 26.7

Method - bailer (surge), Peristaltic Pump (purge)

Volume 26.7 - 8.1 = 18.6 x 0.16 = 3 gal/vol.

Vol.	pH	Cond	Turb	DO	Temp	W/Q
3	6.36	2.82	122	12.08	11.7	cloudy gray
6	6.56	1.94	53.9	12.44	11.5	clear cloudy gray
9	6.82	1.85	16.7	12.40	11.9	same
12	6.95	1.83	-5.0	12.55	11.9	same
15	6.85	1.82	-5.0	12.22	11.9	same

MW-101 Development

Date 4/14/09
Time 1330
W/L 1.98
depth 25.1

Method - bailer (surge) peristaltic (purge)

Volume 25.1 - 1.98 = 23.12 x 0.16 = 3.7 gal/vol.

Vol.	pH	Cond.	Turb.	DO	Temp	W/Q
4	7.16	0.977	>999	8.07	11.0	muddy brown
8	7.01	1.05	>999	12.75	11.5	same
12						
16						
20						

* - Dry after 9.5 gallons, let recharge.
- purged addl. 2 gallons to dry.
- purged addl. 1 gallon to dry.

MW-105 Development

Date 4/14/09 Method bailer (surge)
Time 1529 peristaltic (purge)
w/l 6.80
depth 24.3

Volume 24.3 - 6.8 = 17.5 x 0.16 = 2.8 gal/vol.

Vol.	pH	Cond.	Turb.	DO	Temp.	W/Q
3	7.22	0.828	>999	2.54	10.1	cloudy brown
6	7.22	0.824	532	3.28	9.8	same
9	7.20	0.822	215	3.62	9.7	clear
12	7.19	0.820	174	3.60	9.7	clear
15	7.20	0.818	112	3.58	9.7	clear

MW-102 Development

Date 4/14/09 Method bailer (surge)
Time 1630 peristaltic (purge)
w/l 3.89
depth 24.6

Volume = 24.6 - 3.9 = 20.7 x 0.16 = 3.3 gal/vol.

Vol.	pH	Cond	Turb.	DO	Temp.	W/Q
3.5	6.32	1.42	>999	1.12	10.6	
7.0	6.36	1.42	321	0.55	10.4	
10.5	6.36	1.44	87	0.54	10.4	
14.0	6.38	1.44	48	0.54	10.4	
17.5	6.38	1.44	36	0.53	10.4	

MW-104 Development

Date 4/14/09 Method - S.S. bailer
Time 1432
w/l 11.82
depth 26.5

Volume 26.5 - 11.8 = 14.7 x 0.16 = 2.4 gal./vol.

Vol.	pH	Cond.	Turb.	DO	Temp.	w/Q
2.5	7.01	1.39	-5.0	9.17	12.5	v. cloudy brown
5.0	7.40	9.24	-5.0	12.08	12.6	same
7.5	7.50	1.31	-5.0	12.40	11.9	same silty cloudy gray
10.0	7.31	1.29	-5.0	12.52	12.4	
12.5	7.18	1.33	126	12.49	12.1	clear

MW-106F Development

Date 4/14/09 Method bailer (surge)
Time 1450 peristaltic (purge)
w/l 8.32
depth 10.30

Volume - 10.3 - 8.3 = 2.0 x 0.16 = 0.3 gal/vol.

Vol.	pH	Cond.	Turb.	DO	Temp	w/Q
0.5	dry ~ 0.5 gallons					
1.0	let recharge, purge addl. 0.5 gallons					
1.5	let recharge, purge addl. ~ 0.3 gallons					
2.0						
2.5						

MW-101 Sampling

Date 4/15/08 start Purge @ 1615
Time 1608 ~100 ml/min
W/L 2.91
depth

Time	pH	Cond.	Turb.	DO	Temp	W/O
1620	7.09	1.24	80.4	8.01	10.7	clear
1625	7.09	1.24	50.2	6.32	10.7	clear
1630	7.10	1.24	55.6	15.75	10.5	clear
1635	7.10	1.24	45.8	16.62	10.5	clear

Sample ID - WG-630660-041509-JJW-006
Sample Time - 1700

3 x 40ml VOCs
2 x 1L SVOCs
1 x 1L Metals

MW-102 Sampling

Date 4/15/09 — start Purge @ 1154
Time 1140 — ~ 100 ml/min.
WL 3.46
depth 24.6

Volume 24.6 - 3.5 = 21.1 x 0.16 = 3.4 gal/vol.

Time	pH	Cond	Turb	DO	Temp.	W/Q
1159	6.40	1.44	6.0	0.98	10.4	clear
1204	6.43	1.44	4.6	0.64	10.2	sme
1209	6.44	1.43	1.8	0.57	10.2	clear
1214	6.45	1.43	0	0.55	10.2	clear
1219	6.45	1.43	0	0.53	10.2	clear

Sample ID - WG-630660-041509-JJW-001/002
Sample Time - 1230/1245 duplicate

2x
- 3x40 ml w/HCl — VOCs
- 2x1L gl. — SVOCs
- 1x1L pl. w/HNO_3 — Metals

MW-103 sampling

Date	4/15/09
Time	1450
w/l	4.88
depth	26.7

start Purge @ 1520
~100 ml/min.

Time	pH	Cond.	Turb.	DO	Temp	W/C
1525	6.55	1.90	143	3.38	11.2	Silty cloudy brown
1530	6.55	1.90	88.3	3.30	11.0	clear
1535	6.54	1.91	63.3	3.49	11.0	clear
1540	6.54	1.91	60.8	3.32	11.0	clear

Sample ID - WG-630660-041509-JJW-005 MS/MSD
Sample Time - 1500
9 x 40 ml VOCs
6 x 1L SVOCs
3 x 1L Metals.

MW-104 Sampling

Date	4/15/09
Time	1332
W/L	5.62
depth	26.5

Start Purge @ 1340
~ 100 ml/min.

Time	pH	Cond	Turb.	DO	Temp.	W/Q
1345	6.77	1.41	0	4.32	12.1	clear
1350	6.77	1.41	0	4.34	12.0	clear
1355	6.77	1.41	0	4.47	12.1	clear
1400	6.77	1.41	0	4.43	12.2	clear

Sample ID - WG-630660-041509-JJW-003
Sample Time - 1415
3 x 40 ml w/HCl VOCs
2 x 1L gl. SVOCs
1 x 1L pl. w/HNO3 Metals

MW-105 sampling

Date 4/15/09
Time 1708
W/L 6.61
depth 24.3

Start Purge @ 1710
≈ 100 ml/min.

Time	pH	Cond	Turb.	DO	Temp	W/Q
1715	7.20	0.821	-5.0	2.05	9.9	clear
1720	7.19	0.810	78.9	3.64	9.7	clear
1725	7.19	0.806	82.8	3.67	9.7	clear
1730	7.19	0.805	84.9	3.84	9.7	clear

Sample ID NG-630660-041509-JJW-007
Sample Time 1800

3 x 40 ml VOCs
2 x 1L SVOCs
1 x 1L Metals

MW-106F Sampling

Date 4/15/09 start Purge @
Time 1416
W/L 8.53
depth 10.3

Time	pH	Cond.	Turb.	DO	Temp.	W/Q

Not measured due to extremely low volume, start purging to clear, collect sample.

Sample ID - WG-630660-041509-JJW-004
Sample Time - 1445
3x40 ml VOCs
2x1L SVOCs
1x1L Metals

APPENDIX C

LABORATORY ANALYTICAL DATA PACKAGE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. 630660

CASCADES-DEPEW

Lot #: A9D170133

Paul McMahon

Conestoga-Rovers & Associates,
2055 Niagara Falls Blvd.
Suite Three
Niagara Falls, NY 14304

TESTAMERICA LABORATORIES, INC.

Approved for release.
Denise D. Heckler
Project Manager
4/30/2009 7:31 AM

Denise D. Heckler
Project Manager
denise.heckler@testamericainc.com

April 29, 2009

CASE NARRATIVE

A9D170133

The following report contains the analytical results for seven water samples and one quality control sample submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the Cascades-Depew Site, project number 630660. The samples were received April 17, 2009, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Denise D. Heckler, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 1.0, 1.7, and 1.9°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for WG-630660-041509-JJW-005 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 9114092 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

GC/MS SEMIVOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Result concentration exceeds the calibration range. Refer to the sample report pages for the affected compound(s) flagged with "E".

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Two analyses were used to report sample(s) WG-630660-041509-JJW-006 due to high analyte concentrations.

CASE NARRATIVE (continued)

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

Matrix spike recovery and relative percent difference (RPD) data were not calculated for some analytes for WG-630660-041509-JJW-005 due to the sample concentration reading greater than four times the spike amount. See the Matrix Spike Report for the affected analytes, which will be flagged with "NC, MSB".

The CCV exceeded method criteria on the high side for Potassium. Since the sample(s) WG-630660-041509-JJW-001, WG-630660-041509-JJW-002, WG-630660-041509-JJW-003, and WG-630660-041509-JJW-005 results were below the requested reporting limit, the results were accepted.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

EXECUTIVE SUMMARY - Detection Highlights

A9D170133

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WG-630660-041509-JJW-001 04/15/09 12:30 001				
Aluminum	479	200	ug/L	SW846 6020
Arsenic	0.94 B	5.0	ug/L	SW846 6020
Barium	69.5 B,J	200	ug/L	SW846 6020
Calcium	85200 J	5000	ug/L	SW846 6020
Cobalt	0.76 B	50.0	ug/L	SW846 6020
Chromium	1.2 B	10.0	ug/L	SW846 6020
Copper	4.5 B,J	25.0	ug/L	SW846 6020
Iron	583	100	ug/L	SW846 6020
Potassium	3100 B	5000	ug/L	SW846 6020
Magnesium	107000 J	5000	ug/L	SW846 6020
Manganese	110 J	15.0	ug/L	SW846 6020
Sodium	61700 J	5000	ug/L	SW846 6020
Nickel	1.1 B	40.0	ug/L	SW846 6020
Lead	2.4	1.0	ug/L	SW846 6020
Antimony	0.21 B	2.0	ug/L	SW846 6020
Vanadium	0.79 B	50.0	ug/L	SW846 6020
Zinc	10.5 B,J	20.0	ug/L	SW846 6020
bis(2-Ethylhexyl) phthalate	2.0 B	2.0	ug/L	SW846 8270C
WG-630660-041509-JJW-002 04/15/09 12:45 002				
Aluminum	747	200	ug/L	SW846 6020
Arsenic	1.1 B	5.0	ug/L	SW846 6020
Barium	70.7 B,J	200	ug/L	SW846 6020
Calcium	84200 J	5000	ug/L	SW846 6020
Cobalt	0.85 B	50.0	ug/L	SW846 6020
Chromium	1.9 B	10.0	ug/L	SW846 6020
Copper	6.1 B,J	25.0	ug/L	SW846 6020
Iron	902	100	ug/L	SW846 6020
Potassium	3110 B	5000	ug/L	SW846 6020
Magnesium	106000 J	5000	ug/L	SW846 6020
Manganese	110 J	15.0	ug/L	SW846 6020
Sodium	61000 J	5000	ug/L	SW846 6020
Nickel	1.7 B	40.0	ug/L	SW846 6020
Lead	3.6	1.0	ug/L	SW846 6020
Antimony	0.26 B	2.0	ug/L	SW846 6020
Vanadium	1.3 B	50.0	ug/L	SW846 6020
Zinc	13.0 B,J	20.0	ug/L	SW846 6020
bis(2-Ethylhexyl) phthalate	5.7 B	2.0	ug/L	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

A9D170133

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WG-630660-041509-JJW-003 04/15/09 14:15 003				
Aluminum	119 B	200	ug/L	SW846 6020
Arsenic	8.2	5.0	ug/L	SW846 6020
Barium	42.6 B,J	200	ug/L	SW846 6020
Calcium	58100 J	5000	ug/L	SW846 6020
Cobalt	0.20 B	50.0	ug/L	SW846 6020
Copper	1.6 B,J	25.0	ug/L	SW846 6020
Iron	251	100	ug/L	SW846 6020
Potassium	2440 B	5000	ug/L	SW846 6020
Magnesium	101000 J	5000	ug/L	SW846 6020
Manganese	18.8 J	15.0	ug/L	SW846 6020
Sodium	61200 J	5000	ug/L	SW846 6020
Nickel	0.49 B	40.0	ug/L	SW846 6020
Lead	0.66 B	1.0	ug/L	SW846 6020
Antimony	0.22 B	2.0	ug/L	SW846 6020
Zinc	3.3 B,J	20.0	ug/L	SW846 6020
bis(2-Ethylhexyl) phthalate	0.99 J,B	2.0	ug/L	SW846 8270C
Caprolactam	18	5.0	ug/L	SW846 8270C
WG-630660-041509-JJW-004 04/15/09 14:45 004				
Aluminum	3200	200	ug/L	SW846 6020
Arsenic	1.9 B	5.0	ug/L	SW846 6020
Barium	114 B,J	200	ug/L	SW846 6020
Calcium	84900 J	5000	ug/L	SW846 6020
Cobalt	0.60 B	50.0	ug/L	SW846 6020
Chromium	11.0	10.0	ug/L	SW846 6020
Copper	25.1 J	25.0	ug/L	SW846 6020
Iron	2380	100	ug/L	SW846 6020
Potassium	7110	5000	ug/L	SW846 6020
Magnesium	46000 J	5000	ug/L	SW846 6020
Manganese	58.9 J	15.0	ug/L	SW846 6020
Sodium	84900 J	5000	ug/L	SW846 6020
Nickel	2.5 B	40.0	ug/L	SW846 6020
Lead	18.2	1.0	ug/L	SW846 6020
Antimony	5.7	2.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Vanadium	3.4 B	50.0	ug/L	SW846 6020
Zinc	36.0 J	20.0	ug/L	SW846 6020
Acetophenone	1.5	1.0	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	1.9 J,B	2.0	ug/L	SW846 8270C
Fluoranthene	0.25	0.20	ug/L	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

A9D170133

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WG-630660-041509-JJW-004 04/15/09 14:45 004				
Phenanthrene	0.23	0.20	ug/L	SW846 8270C
Acetone	71	10	ug/L	SW846 8260B
Bromodichloromethane	0.46 J	1.0	ug/L	SW846 8260B
2-Butanone	0.67 J	10	ug/L	SW846 8260B
Chloroform	1.1	1.0	ug/L	SW846 8260B
WG-630660-041509-JJW-005 04/15/09 15:00 005				
Aluminum	304	200	ug/L	SW846 6020
Arsenic	1.8 B	5.0	ug/L	SW846 6020
Barium	90.8 B,J	200	ug/L	SW846 6020
Calcium	109000 J	5000	ug/L	SW846 6020
Cobalt	0.46 B	50.0	ug/L	SW846 6020
Copper	0.94 B,J	25.0	ug/L	SW846 6020
Iron	541	100	ug/L	SW846 6020
Potassium	3780 B	5000	ug/L	SW846 6020
Magnesium	108000 J	5000	ug/L	SW846 6020
Manganese	49.7 J	15.0	ug/L	SW846 6020
Sodium	100000 J	5000	ug/L	SW846 6020
Nickel	1.2 B	40.0	ug/L	SW846 6020
Lead	0.37 B	1.0	ug/L	SW846 6020
Antimony	0.28 B	2.0	ug/L	SW846 6020
Vanadium	0.56 B	50.0	ug/L	SW846 6020
bis(2-Ethylhexyl) phthalate	6.0 B	2.0	ug/L	SW846 8270C
WG-630660-041509-JJW-006 04/15/09 17:00 006				
Aluminum	849	200	ug/L	SW846 6020
Arsenic	3.1 B	5.0	ug/L	SW846 6020
Barium	156 B,J	200	ug/L	SW846 6020
Calcium	67200 J	5000	ug/L	SW846 6020
Cobalt	1.3 B	50.0	ug/L	SW846 6020
Chromium	2.0 B	10.0	ug/L	SW846 6020
Copper	44.8 J	25.0	ug/L	SW846 6020
Iron	935	100	ug/L	SW846 6020
Potassium	12500	5000	ug/L	SW846 6020
Magnesium	84300 J	5000	ug/L	SW846 6020
Manganese	173 J	15.0	ug/L	SW846 6020
Sodium	57100 J	5000	ug/L	SW846 6020
Nickel	3.5 B	40.0	ug/L	SW846 6020
Lead	10.9	1.0	ug/L	SW846 6020
Antimony	34.9	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

A9D170133

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WG-630660-041509-JJW-006 04/15/09 17:00 006				
Thallium	0.26 B	1.0	ug/L	SW846 6020
Vanadium	2.4 B	50.0	ug/L	SW846 6020
Zinc	45.0 J	20.0	ug/L	SW846 6020
Caprolactam	170 E	5.0	ug/L	SW846 8270C
Caprolactam	130	33	ug/L	SW846 8270C
Acetone	1.1 J	10	ug/L	SW846 8260B
2-Butanone	0.75 J	10	ug/L	SW846 8260B
Cyclohexane	0.48 J,B	1.0	ug/L	SW846 8260B
Methylcyclohexane	0.51 J,B	1.0	ug/L	SW846 8260B
WG-630660-041509-JJW-007 04/15/09 18:00 007				
Aluminum	13100	200	ug/L	SW846 6020
Arsenic	4.0 B	5.0	ug/L	SW846 6020
Barium	172 B,J	200	ug/L	SW846 6020
Beryllium	0.58 B	5.0	ug/L	SW846 6020
Calcium	252000 J	5000	ug/L	SW846 6020
Cobalt	6.0 B	50.0	ug/L	SW846 6020
Chromium	23.6	10.0	ug/L	SW846 6020
Copper	21.8 B,J	25.0	ug/L	SW846 6020
Iron	19000	100	ug/L	SW846 6020
Potassium	13600	5000	ug/L	SW846 6020
Magnesium	107000 J	5000	ug/L	SW846 6020
Manganese	478 J	15.0	ug/L	SW846 6020
Sodium	30200 J	5000	ug/L	SW846 6020
Nickel	20.0 B	40.0	ug/L	SW846 6020
Lead	14.9	1.0	ug/L	SW846 6020
Antimony	0.45 B	2.0	ug/L	SW846 6020
Thallium	0.18 B	1.0	ug/L	SW846 6020
Vanadium	23.6 B	50.0	ug/L	SW846 6020
Zinc	63.8 J	20.0	ug/L	SW846 6020
Mercury	0.17 B	0.20	ug/L	SW846 7470A
bis(2-Ethylhexyl) phthalate	0.83 J,B	2.0	ug/L	SW846 8270C
Isophorone	1.5	1.0	ug/L	SW846 8270C
Acetone	3.8 J	10	ug/L	SW846 8260B
Benzene	0.79 J	1.0	ug/L	SW846 8260B
2-Butanone	1.2 J	10	ug/L	SW846 8260B
Cyclohexane	0.79 J,B	1.0	ug/L	SW846 8260B
Methylcyclohexane	0.81 J,B	1.0	ug/L	SW846 8260B
Toluene	1.3	1.0	ug/L	SW846 8260B
Xylenes (total)	0.73 J	2.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A9D170133

PARAMETER	ANALYTICAL METHOD
ICP-MS (6020)	SW846 6020
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A9D170133

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K9800	001	WG-630660-041509-JJW-001	04/15/09	12:30
K981C	002	WG-630660-041509-JJW-002	04/15/09	12:45
K981E	003	WG-630660-041509-JJW-003	04/15/09	14:15
K981F	004	WG-630660-041509-JJW-004	04/15/09	14:45
K981G	005	WG-630660-041509-JJW-005	04/15/09	15:00
K981H	006	WG-630660-041509-JJW-006	04/15/09	17:00
K981J	007	WG-630660-041509-JJW-007	04/15/09	18:00
K981K	008	TRIP BLANK	04/15/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

GC/MS Volatiles

Lot-Sample #...: A9D170133-001 **Work Order #...:** K98001AA **Matrix.....:** WG
Date Sampled...: 04/15/09 12:30 **Date Received..:** 04/17/09
Prep Date.....: 04/22/09 **Analysis Date..:** 04/22/09
Prep Batch #...: 9114092
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	ND	10	ug/L	0.57
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	ND	1.0	ug/L	0.12
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	ND	1.0	ug/L	0.13
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

GC/MS Volatiles

Lot-Sample #...: A9D170133-001 **Work Order #...:** K98001AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-001 **Work Order #...:** K98001AC **Matrix.....:** WG
Date Sampled...: 04/15/09 12:30 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	ND	1.0	ug/L	0.34
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	**2.0 B**	**2.0**	**ug/L**	**0.80**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	ND	5.0	ug/L	0.80
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-001 **Work Order #...:** K98001AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	ND	0.20	ug/L	0.10
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	ND	1.0	ug/L	0.27
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	ND	0.20	ug/L	0.10
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	76	(27 - 111)
2-Fluorobiphenyl	69	(28 - 110)
Terphenyl-d14	94	(37 - 119)
Phenol-d5	71	(10 - 110)
2-Fluorophenol	77	(10 - 110)
2,4,6-Tribromophenol	79	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-001 **Work Order #...:** K98001AC **Matrix.....:** WG

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

TOTAL Metals

Lot-Sample #...: A9D170133-001 **Matrix.....:** WG
Date Sampled...: 04/15/09 12:30 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K98001AP
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**479**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AE**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**0.94 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AF**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**69.5 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AG**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K98001AH
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**85200 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AJ**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K98001AK
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**0.76 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AL**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	**1.2 B**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AM**
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**4.5 B,J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AN**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**583**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AQ**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**3100 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AR**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**107000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AT**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**110 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K98001AU**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-001

TOTAL Metals

Lot-Sample #...: A9D170133-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**61700 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AV**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**1.1 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AW**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001AX**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**0.21 B**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001A0**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K98001A1
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K98001A2
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	**0.79 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001A3**
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	**10.5 B,J**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K98001A4**
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	K98001AD
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

GC/MS Volatiles

Lot-Sample #...: A9D170133-002 **Work Order #...:** K981C1AG **Matrix.....:** WG
Date Sampled...: 04/15/09 12:45 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	ND	10	ug/L	0.57
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	ND	1.0	ug/L	0.12
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	ND	1.0	ug/L	0.13
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

GC/MS Volatiles

Lot-Sample #...: A9D170133-002 **Work Order #...:** K981C1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-002 **Work Order #...:** K981C1AH **Matrix.....:** WG
Date Sampled...: 04/15/09 12:45 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	ND	1.0	ug/L	0.34
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	**5.7 B**	**2.0**	**ug/L**	**0.80**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	ND	5.0	ug/L	0.80
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-002 **Work Order #...:** K981C1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	ND	0.20	ug/L	0.10
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	ND	1.0	ug/L	0.27
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	ND	0.20	ug/L	0.10
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(27 - 111)
2-Fluorobiphenyl	68	(28 - 110)
Terphenyl-d14	92	(37 - 119)
Phenol-d5	71	(10 - 110)
2-Fluorophenol	77	(10 - 110)
2,4,6-Tribromophenol	75	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-002 **Work Order #...:** K981C1AH **Matrix.....:** WG

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

TOTAL Metals

Lot-Sample #...: A9D170133-002 **Matrix.....:** WG
Date Sampled...: 04/15/09 12:45 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981C1AV
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**747**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AK**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AL**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**70.7 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AM**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981C1AN
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**84200 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AP**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981C1AQ
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**0.85 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AR**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	**1.9 B**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AT**
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**6.1 B,J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AU**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**902**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AW**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**3110 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AX**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**106000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1A0**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**110 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981C1A1**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-002

TOTAL Metals

Lot-Sample #...: A9D170133-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**61000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1A2**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**1.7 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1A3**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**3.6**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1A4**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**0.26 B**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AA**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981C1AC
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981C1AD
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	**1.3 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AE**
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	**13.0 B,J**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981C1AF**
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	K981C1AJ
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

GC/MS Volatiles

Lot-Sample #...: A9D170133-003 **Work Order #...:** K981E1AG **Matrix.....:** WG
Date Sampled...: 04/15/09 14:15 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	ND	10	ug/L	0.57
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	ND	1.0	ug/L	0.12
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	ND	1.0	ug/L	0.13
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

GC/MS Volatiles

Lot-Sample #...: A9D170133-003 **Work Order #...:** K981E1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-003 **Work Order #...:** K981E1AH **Matrix.....:** WG
Date Sampled...: 04/15/09 14:15 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	ND	1.0	ug/L	0.34
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	**0.99 J,B**	**2.0**	**ug/L**	**0.80**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	**18**	**5.0**	**ug/L**	**0.80**
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-003 **Work Order #...:** K981E1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	ND	0.20	ug/L	0.10
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	ND	1.0	ug/L	0.27
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	ND	0.20	ug/L	0.10
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(27 - 111)
2-Fluorobiphenyl	52	(28 - 110)
Terphenyl-d14	92	(37 - 119)
Phenol-d5	53	(10 - 110)
2-Fluorophenol	58	(10 - 110)
2,4,6-Tribromophenol	70	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-003 **Work Order #...:** K981E1AH **Matrix.....:** WG

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

TOTAL Metals

Lot-Sample #...: A9D170133-003 **Matrix.....:** WG
Date Sampled...: 04/15/09 14:15 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AV
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**119 B**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AK**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**8.2**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AL**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**42.6 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AM**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AN
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**58100 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AP**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AQ
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**0.20 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AR**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	ND	10.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AT
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**1.6 B,J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AU**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**251**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AW**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**2440 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AX**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**101000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1A0**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**18.8 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981E1A1**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-003

TOTAL Metals

Lot-Sample #...: A9D170133-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**61200 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1A2**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**0.49 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1A3**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**0.66 B**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1A4**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**0.22 B**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AA**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AC
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AD
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	ND	50.0	ug/L	SW846 6020	04/20-04/27/09	K981E1AE
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	**3.3 B,J**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981E1AF**
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	K981E1AJ
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

GC/MS Volatiles

Lot-Sample #...: A9D170133-004 **Work Order #...:** K981F1AG **Matrix.....:** WG
Date Sampled...: 04/15/09 14:45 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**71**	**10**	**ug/L**	**1.1**
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	**0.46 J**	**1.0**	**ug/L**	**0.15**
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	**0.67 J**	**10**	**ug/L**	**0.57**
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	**1.1**	**1.0**	**ug/L**	**0.16**
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	ND	1.0	ug/L	0.12
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	ND	1.0	ug/L	0.13
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

GC/MS Volatiles

Lot-Sample #...: A9D170133-004 **Work Order #...:** K981F1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-004 **Work Order #...:** K981F1AH **Matrix.....:** WG
Date Sampled...: 04/15/09 14:45 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	**1.5**	**1.0**	**ug/L**	**0.34**
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	**1.9 J,B**	**2.0**	**ug/L**	**0.80**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	ND	5.0	ug/L	0.80
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-004 **Work Order #...:** K981F1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	**0.25**	**0.20**	**ug/L**	**0.10**
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	ND	1.0	ug/L	0.27
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	**0.23**	**0.20**	**ug/L**	**0.10**
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	68	(27 - 111)
2-Fluorobiphenyl	63	(28 - 110)
Terphenyl-d14	88	(37 - 119)
Phenol-d5	64	(10 - 110)
2-Fluorophenol	70	(10 - 110)
2,4,6-Tribromophenol	83	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-004 **Work Order #...:** K981F1AH **Matrix.....:** WG

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

TOTAL Metals

Lot-Sample #...: A9D170133-004 **Matrix.....:** WG
Date Sampled...: 04/15/09 14:45 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981F1AV
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**3200**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AK**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AL**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**114 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AM**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981F1AN
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**84900 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AP**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981F1AQ
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**0.60 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AR**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	**11.0**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AT**
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**25.1 J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AU**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**2380**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AW**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**7110**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981F1AX**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**46000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1A0**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**58.9 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981F1A1**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-004

TOTAL Metals

Lot-Sample #...: A9D170133-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**84900 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1A2**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**2.5 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1A3**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**18.2**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1A4**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**5.7**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AA**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AC**
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981F1AD
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	**3.4 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AE**
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	**36.0 J**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981F1AF**
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	K981F1AJ
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

GC/MS Volatiles

Lot-Sample #...: A9D170133-005 **Work Order #...:** K981G1AT **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	ND	10	ug/L	0.57
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	ND	1.0	ug/L	0.12
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	ND	1.0	ug/L	0.13
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

GC/MS Volatiles

Lot-Sample #...: A9D170133-005 **Work Order #...:** K981G1AT **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-005 **Work Order #...:** K981G1AW **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	ND	1.0	ug/L	0.34
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	**6.0 B**	**2.0**	**ug/L**	**0.80**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	ND	5.0	ug/L	0.80
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-005 **Work Order #...:** K981G1AW **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	ND	0.20	ug/L	0.10
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	ND	1.0	ug/L	0.27
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	ND	0.20	ug/L	0.10
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	67	(27 - 111)
2-Fluorobiphenyl	55	(28 - 110)
Terphenyl-d14	86	(37 - 119)
Phenol-d5	62	(10 - 110)
2-Fluorophenol	68	(10 - 110)
2,4,6-Tribromophenol	73	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-005 **Work Order #...:** K981G1AW **Matrix.....:** WG

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

TOTAL Metals

Lot-Sample #...: A9D170133-005 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981G1C1
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**304**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1A4**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1A7**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**90.8 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1CA**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981G1CE
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**109000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1CH**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981G1CL
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**0.46 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1CP**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	ND	10.0	ug/L	SW846 6020	04/20-04/27/09	K981G1CT
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**0.94 B,J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1CW**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**541**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1C4**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**3780 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1C7**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**108000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1DA**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**49.7 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981G1DE**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-005

TOTAL Metals

Lot-Sample #...: A9D170133-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**100000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1DH**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**1.2 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1DL**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**0.37 B**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1DP**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**0.28 B**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1AA**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981G1AE
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981G1AH
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	**0.56 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981G1AL**
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	ND	20.0	ug/L	SW846 6020	04/20-04/27/09	K981G1AP
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	K981G1A1
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Volatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H1AG **Matrix.....:** WG
Date Sampled...: 04/15/09 17:00 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1.1 J**	**10**	**ug/L**	**1.1**
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	**0.75 J**	**10**	**ug/L**	**0.57**
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	**0.48 J,B**	**1.0**	**ug/L**	**0.12**
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	**0.51 J,B**	**1.0**	**ug/L**	**0.13**
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Volatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H1AH **Matrix.....:** WG
Date Sampled...: 04/15/09 17:00 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	ND	1.0	ug/L	0.34
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	ND	2.0	ug/L	0.80
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	**170 E**	**5.0**	**ug/L**	**0.80**
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	ND	0.20	ug/L	0.10
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	ND	1.0	ug/L	0.27
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	ND	0.20	ug/L	0.10
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	80	(27 - 111)
2-Fluorobiphenyl	71	(28 - 110)
Terphenyl-d14	100	(37 - 119)
Phenol-d5	63	(10 - 110)
2-Fluorophenol	80	(10 - 110)
2,4,6-Tribromophenol	86	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H1AH **Matrix.....:** WG

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H2AH **Matrix.....:** WG
Date Sampled...: 04/15/09 17:00 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9108058
Dilution Factor: 6.66 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.3	ug/L	0.67
Acenaphthylene	ND	1.3	ug/L	0.67
Acetophenone	ND	6.7	ug/L	2.3
Anthracene	ND	1.3	ug/L	0.67
Atrazine	ND	6.7	ug/L	2.3
Benzo(a)anthracene	ND	1.3	ug/L	0.67
Benzo(a)pyrene	ND	1.3	ug/L	0.67
Benzo(b)fluoranthene	ND	1.3	ug/L	0.67
Benzo(ghi)perylene	ND	1.3	ug/L	0.67
Benzo(k)fluoranthene	ND	1.3	ug/L	0.67
Benzaldehyde	ND	6.7	ug/L	2.6
1,1'-Biphenyl	ND	6.7	ug/L	5.3
bis(2-Chloroethoxy) methane	ND	6.7	ug/L	2.1
bis(2-Chloroethyl)-ether	ND	6.7	ug/L	0.67
bis(2-Ethylhexyl) phthalate	ND	13	ug/L	5.3
4-Bromophenyl phenyl ether	ND	13	ug/L	5.3
Butyl benzyl phthalate	ND	6.7	ug/L	5.3
Caprolactam	**130**	**33**	**ug/L**	**5.3**
Carbazole	ND	6.7	ug/L	1.9
4-Chloroaniline	ND	13	ug/L	5.3
4-Chloro-3-methylphenol	ND	13	ug/L	5.3
2-Chloronaphthalene	ND	6.7	ug/L	0.67
2-Chlorophenol	ND	6.7	ug/L	1.9
4-Chlorophenyl phenyl ether	ND	13	ug/L	2.0
Chrysene	ND	1.3	ug/L	0.67
Dibenz(a,h)anthracene	ND	1.3	ug/L	0.67
Dibenzofuran	ND	6.7	ug/L	0.67
3,3'-Dichlorobenzidine	ND	33	ug/L	2.5
2,4-Dichlorophenol	ND	13	ug/L	5.3
Diethyl phthalate	ND	6.7	ug/L	4.0
2,4-Dimethylphenol	ND	13	ug/L	5.3
Dimethyl phthalate	ND	6.7	ug/L	1.9
Di-n-butyl phthalate	ND	6.7	ug/L	4.5
4,6-Dinitro-2-methylphenol	ND	33	ug/L	16

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H2AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	33	ug/L	16
2,4-Dinitrotoluene	ND	33	ug/L	1.8
2,6-Dinitrotoluene	ND	33	ug/L	5.3
Di-n-octyl phthalate	ND	6.7	ug/L	5.3
Fluoranthene	ND	1.3	ug/L	0.67
Fluorene	ND	1.3	ug/L	0.67
Hexachlorobenzene	ND	1.3	ug/L	0.67
Hexachlorobutadiene	ND	6.7	ug/L	1.8
Hexachlorocyclopenta-diene	ND	67	ug/L	5.3
Hexachloroethane	ND	6.7	ug/L	5.3
Indeno(1,2,3-cd)pyrene	ND	1.3	ug/L	0.67
Isophorone	ND	6.7	ug/L	1.8
2-Methylnaphthalene	ND	1.3	ug/L	0.67
2-Methylphenol	ND	6.7	ug/L	5.3
4-Methylphenol	ND	6.7	ug/L	5.3
Naphthalene	ND	1.3	ug/L	0.67
2-Nitroaniline	ND	13	ug/L	5.3
3-Nitroaniline	ND	13	ug/L	1.9
4-Nitroaniline	ND	13	ug/L	5.3
Nitrobenzene	ND	6.7	ug/L	0.27
2-Nitrophenol	ND	13	ug/L	1.9
4-Nitrophenol	ND	33	ug/L	16
N-Nitrosodi-n-propyl-amine	ND	6.7	ug/L	5.3
N-Nitrosodiphenylamine	ND	6.7	ug/L	2.1
2,2'-oxybis (1-Chloropropane)	ND	6.7	ug/L	2.7
Pentachlorophenol	ND	33	ug/L	16
Phenanthrene	ND	1.3	ug/L	0.67
Phenol	ND	6.7	ug/L	4.0
Pyrene	ND	1.3	ug/L	0.67
2,4,5-Trichloro-phenol	ND	33	ug/L	2.0
2,4,6-Trichloro-phenol	ND	33	ug/L	5.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73 DIL	(27 - 111)
2-Fluorobiphenyl	69 DIL	(28 - 110)
Terphenyl-d14	93 DIL	(37 - 119)
Phenol-d5	62 DIL	(10 - 110)
2-Fluorophenol	71 DIL	(10 - 110)
2,4,6-Tribromophenol	84 DIL	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-006 **Work Order #...:** K981H2AH **Matrix.....:** WG

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

TOTAL Metals

Lot-Sample #...: A9D170133-006 **Matrix.....:** WG
Date Sampled...: 04/15/09 17:00 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981H1AV
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**849**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AK**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**3.1 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AL**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**156 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AM**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981H1AN
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**67200 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AP**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981H1AQ
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**1.3 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AR**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	**2.0 B**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AT**
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**44.8 J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AU**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**935**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AW**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**12500**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981H1AX**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**84300 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1A0**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**173 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981H1A1**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-006

TOTAL Metals

Lot-Sample #...: A9D170133-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**57100 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1A2**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**3.5 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1A3**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**10.9**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1A4**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**34.9**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AA**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981H1AC
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	**0.26 B**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AD**
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	**2.4 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AE**
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	**45.0 J**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981H1AF**
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	K981H1AJ
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

GC/MS Volatiles

Lot-Sample #...: A9D170133-007 **Work Order #...:** K981J1AG **Matrix.....:** WG
Date Sampled...: 04/15/09 18:00 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**3.8 J**	**10**	**ug/L**	**1.1**
Benzene	**0.79 J**	**1.0**	**ug/L**	**0.13**
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	**1.2 J**	**10**	**ug/L**	**0.57**
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	**0.79 J,B**	**1.0**	**ug/L**	**0.12**
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	**0.81 J,B**	**1.0**	**ug/L**	**0.13**
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

GC/MS Volatiles

Lot-Sample #...: A9D170133-007 **Work Order #...:** K981J1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	**1.3**	**1.0**	**ug/L**	**0.13**
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	**0.73 J**	**2.0**	**ug/L**	**0.28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-007 **Work Order #...:** K981J1AH **Matrix.....:** WG
Date Sampled...: 04/15/09 18:00 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	0.20	ug/L	0.10
Acenaphthylene	ND	0.20	ug/L	0.10
Acetophenone	ND	1.0	ug/L	0.34
Anthracene	ND	0.20	ug/L	0.10
Atrazine	ND	1.0	ug/L	0.34
Benzo(a)anthracene	ND	0.20	ug/L	0.10
Benzo(a)pyrene	ND	0.20	ug/L	0.10
Benzo(b)fluoranthene	ND	0.20	ug/L	0.10
Benzo(ghi)perylene	ND	0.20	ug/L	0.10
Benzo(k)fluoranthene	ND	0.20	ug/L	0.10
Benzaldehyde	ND	1.0	ug/L	0.39
1,1'-Biphenyl	ND	1.0	ug/L	0.80
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	0.32
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	0.10
bis(2-Ethylhexyl) phthalate	**0.83 J,B**	**2.0**	**ug/L**	**0.80**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	0.80
Butyl benzyl phthalate	ND	1.0	ug/L	0.80
Caprolactam	ND	5.0	ug/L	0.80
Carbazole	ND	1.0	ug/L	0.28
4-Chloroaniline	ND	2.0	ug/L	0.80
4-Chloro-3-methylphenol	ND	2.0	ug/L	0.80
2-Chloronaphthalene	ND	1.0	ug/L	0.10
2-Chlorophenol	ND	1.0	ug/L	0.29
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	0.30
Chrysene	ND	0.20	ug/L	0.10
Dibenz(a,h)anthracene	ND	0.20	ug/L	0.10
Dibenzofuran	ND	1.0	ug/L	0.10
3,3'-Dichlorobenzidine	ND	5.0	ug/L	0.37
2,4-Dichlorophenol	ND	2.0	ug/L	0.80
Diethyl phthalate	ND	1.0	ug/L	0.60
2,4-Dimethylphenol	ND	2.0	ug/L	0.80
Dimethyl phthalate	ND	1.0	ug/L	0.29
Di-n-butyl phthalate	ND	1.0	ug/L	0.67
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.4

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-007 **Work Order #...:** K981J1AH **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
2,4-Dinitrotoluene	ND	5.0	ug/L	0.27
2,6-Dinitrotoluene	ND	5.0	ug/L	0.80
Di-n-octyl phthalate	ND	1.0	ug/L	0.80
Fluoranthene	ND	0.20	ug/L	0.10
Fluorene	ND	0.20	ug/L	0.10
Hexachlorobenzene	ND	0.20	ug/L	0.10
Hexachlorobutadiene	ND	1.0	ug/L	0.27
Hexachlorocyclopenta-diene	ND	10	ug/L	0.80
Hexachloroethane	ND	1.0	ug/L	0.80
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.10
Isophorone	**1.5**	**1.0**	**ug/L**	**0.27**
2-Methylnaphthalene	ND	0.20	ug/L	0.10
2-Methylphenol	ND	1.0	ug/L	0.80
4-Methylphenol	ND	1.0	ug/L	0.80
Naphthalene	ND	0.20	ug/L	0.10
2-Nitroaniline	ND	2.0	ug/L	0.80
3-Nitroaniline	ND	2.0	ug/L	0.28
4-Nitroaniline	ND	2.0	ug/L	0.80
Nitrobenzene	ND	1.0	ug/L	0.040
2-Nitrophenol	ND	2.0	ug/L	0.28
4-Nitrophenol	ND	5.0	ug/L	2.4
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	0.80
N-Nitrosodiphenylamine	ND	1.0	ug/L	0.31
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	0.40
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenanthrene	ND	0.20	ug/L	0.10
Phenol	ND	1.0	ug/L	0.60
Pyrene	ND	0.20	ug/L	0.10
2,4,5-Trichloro-phenol	ND	5.0	ug/L	0.30
2,4,6-Trichloro-phenol	ND	5.0	ug/L	0.80

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	49	(27 - 111)
2-Fluorobiphenyl	67	(28 - 110)
Terphenyl-d14	101	(37 - 119)
Phenol-d5	74	(10 - 110)
2-Fluorophenol	84	(10 - 110)
2,4,6-Tribromophenol	83	(22 - 120)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

GC/MS Semivolatiles

Lot-Sample #...: A9D170133-007 **Work Order #...:** K981J1AH **Matrix.....:** WG

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

TOTAL Metals

Lot-Sample #...: A9D170133-007 **Matrix.....:** WG
Date Sampled...: 04/15/09 18:00 **Date Received..:** 04/17/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9110041						
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981J1AV
		Dilution Factor: 1		MDL.....: 0.080		
Aluminum	**13100**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AK**
		Dilution Factor: 1		MDL.....: 19.0		
Arsenic	**4.0 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AL**
		Dilution Factor: 1		MDL.....: 0.40		
Barium	**172 B,J**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AM**
		Dilution Factor: 1		MDL.....: 0.19		
Beryllium	**0.58 B**	**5.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AN**
		Dilution Factor: 1		MDL.....: 0.20		
Calcium	**252000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AP**
		Dilution Factor: 1		MDL.....: 22.0		
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	K981J1AQ
		Dilution Factor: 1		MDL.....: 0.13		
Cobalt	**6.0 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AR**
		Dilution Factor: 1		MDL.....: 0.058		
Chromium	**23.6**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AT**
		Dilution Factor: 1		MDL.....: 0.71		
Copper	**21.8 B,J**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AU**
		Dilution Factor: 1		MDL.....: 0.29		
Iron	**19000**	**100**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AW**
		Dilution Factor: 1		MDL.....: 26.0		
Potassium	**13600**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981J1AX**
		Dilution Factor: 1		MDL.....: 8.3		
Magnesium	**107000 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1A0**
		Dilution Factor: 1		MDL.....: 17.0		
Manganese	**478 J**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/28/09**	**K981J1A1**
		Dilution Factor: 1		MDL.....: 0.83		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-630660-041509-JJW-007

TOTAL Metals

Lot-Sample #...: A9D170133-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**30200 J**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1A2**
		Dilution Factor: 1		MDL.....: 6.9		
Nickel	**20.0 B**	**40.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1A3**
		Dilution Factor: 1		MDL.....: 0.20		
Lead	**14.9**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1A4**
		Dilution Factor: 1		MDL.....: 0.18		
Antimony	**0.45 B**	**2.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AA**
		Dilution Factor: 1		MDL.....: 0.13		
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	K981J1AC
		Dilution Factor: 1		MDL.....: 1.2		
Thallium	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AD**
		Dilution Factor: 1		MDL.....: 0.14		
Vanadium	**23.6 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AE**
		Dilution Factor: 1		MDL.....: 0.44		
Zinc	**63.8 J**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**K981J1AF**
		Dilution Factor: 1		MDL.....: 2.3		
Mercury	**0.17 B**	**0.20**	**ug/L**	**SW846 7470A**	**04/20/09**	**K981J1AJ**
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A9D170133-008 **Work Order #...:** K981K1AA **Matrix.....:** WQ
Date Sampled...: 04/15/09 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	ND	10	ug/L	0.57
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Cyclohexane	ND	1.0	ug/L	0.12
Dibromochloromethane	ND	1.0	ug/L	0.18
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.67
1,2-Dibromoethane	ND	1.0	ug/L	0.24
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,3-Dichlorobenzene	ND	1.0	ug/L	0.14
1,4-Dichlorobenzene	ND	1.0	ug/L	0.13
Dichlorodifluoromethane	ND	1.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.22
1,1-Dichloroethene	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.17
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.19
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.14
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.41
Isopropylbenzene	ND	1.0	ug/L	0.13
Methyl acetate	ND	10	ug/L	0.38
Methylene chloride	ND	1.0	ug/L	0.33
Methylcyclohexane	ND	1.0	ug/L	0.13
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Methyl tert-butyl ether	ND	5.0	ug/L	0.17
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A9D170133-008 **Work Order #...:** K981K1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.17
Trichlorofluoromethane	ND	1.0	ug/L	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	2.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

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QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LAKGD1AA **Matrix.....:** WATER
MB Lot-Sample #: A9D220000-490

Prep Date.....: 04/21/09
Analysis Date..: 04/21/09 **Prep Batch #...:** 9112490
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	**0.46 J**	**1.0**	**ug/L**	**SW846 8260B**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	**0.51 J**	**1.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LAKGD1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AA **Matrix.....:** WATER
MB Lot-Sample #: A9D240000-092

Prep Date.....: 04/22/09
Analysis Date..: 04/22/09 **Prep Batch #...:** 9114092
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	**0.27 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AA **Matrix.....:** WATER
MB Lot-Sample #: A9D180000-058
Prep Date.....: 04/19/09
Analysis Date..: 04/20/09 **Prep Batch #...:** 9108058
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
Acetophenone	ND	1.0	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Atrazine	ND	1.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzaldehyde	ND	1.0	ug/L	SW846 8270C
1,1'-Biphenyl	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**1.3 J**	**2.0**	**ug/L**	**SW846 8270C**
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
Caprolactam	ND	5.0	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	1.0	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Phenol	ND	1.0	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	76	(27 - 111)
2-Fluorobiphenyl	67	(28 - 110)
Terphenyl-d14	100	(37 - 119)
Phenol-d5	72	(10 - 110)
2-Fluorophenol	77	(10 - 110)
2,4,6-Tribromophenol	73	(22 - 120)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AA **Matrix.....:** WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A9D200000-041 **Prep Batch #...:** 9110041						
Aluminum	ND	200	ug/L	SW846 6020	04/20-04/27/09	LADCM1DU
		Dilution Factor: 1				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1CM
		Dilution Factor: 1				
Arsenic	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1CK
		Dilution Factor: 1				
Barium	**1.1 B**	**200**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1DV**
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1DW
		Dilution Factor: 1				
Cadmium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1D0
		Dilution Factor: 1				
Calcium	**563 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1DX**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1D1
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1AG
		Dilution Factor: 1				
Copper	**0.64 B**	**25.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1D2**
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6020	04/20-04/27/09	LADCM1CN
		Dilution Factor: 1				
Lead	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1CL
		Dilution Factor: 1				
Magnesium	**78.5 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1D5**
		Dilution Factor: 1				
Manganese	**2.0 B**	**15.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1D6**
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1D8
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5000	ug/L	SW846 6020	04/20-04/27/09	LADCM1D4
		Dilution Factor: 1				
Selenium	ND	5.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1D9
		Dilution Factor: 1				
Silver	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1D3
		Dilution Factor: 1				
Sodium	**100 B**	**5000**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1D7**
		Dilution Factor: 1				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1AH
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6020	04/20-04/27/09	LADCM1EA
		Dilution Factor: 1				
Zinc	**33.2**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/27/09**	**LADCM1EC**
		Dilution Factor: 1				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/09	LADCM1AT
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LAKGD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D220000-490
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acetone	66	(22 - 200)	SW846 8260B
Benzene	**89**	**(80 - 116)**	**SW846 8260B**
Bromodichloromethane	90	(87 - 130)	SW846 8260B
Bromoform	92	(76 - 150)	SW846 8260B
Bromomethane	103	(64 - 129)	SW846 8260B
2-Butanone	73	(28 - 237)	SW846 8260B
Carbon disulfide	101	(73 - 139)	SW846 8260B
Carbon tetrachloride	104	(75 - 149)	SW846 8260B
Chlorobenzene	**97**	**(76 - 117)**	**SW846 8260B**
Chloroethane	89	(66 - 126)	SW846 8260B
Chloroform	92	(84 - 128)	SW846 8260B
Chloromethane	117	(48 - 123)	SW846 8260B
Cyclohexane	85	(70 - 130)	SW846 8260B
Dibromochloromethane	94	(81 - 138)	SW846 8260B
1,2-Dibromo-3-chloro-propane	81	(70 - 130)	SW846 8260B
1,2-Dibromoethane	93	(70 - 130)	SW846 8260B
1,2-Dichlorobenzene	96	(70 - 130)	SW846 8260B
1,3-Dichlorobenzene	95	(70 - 130)	SW846 8260B
1,4-Dichlorobenzene	96	(70 - 130)	SW846 8260B
Dichlorodifluoromethane	61 a	(70 - 130)	SW846 8260B
1,1-Dichloroethane	94	(86 - 123)	SW846 8260B
1,2-Dichloroethane	88	(79 - 136)	SW846 8260B
1,1-Dichloroethene	**96**	**(63 - 130)**	**SW846 8260B**
cis-1,2-Dichloroethene	94	(85 - 113)	SW846 8260B
trans-1,2-Dichloroethene	94	(80 - 120)	SW846 8260B
1,2-Dichloropropane	93	(82 - 115)	SW846 8260B
cis-1,3-Dichloropropene	83 a	(84 - 130)	SW846 8260B
trans-1,3-Dichloropropene	87	(84 - 130)	SW846 8260B
Ethylbenzene	96	(86 - 116)	SW846 8260B
2-Hexanone	84	(35 - 200)	SW846 8260B
Isopropylbenzene	100	(70 - 130)	SW846 8260B
Methyl acetate	72	(70 - 130)	SW846 8260B
Methylene chloride	95	(78 - 118)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LAKGD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D220000-490

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Methylcyclohexane	85	(70 - 130)	SW846 8260B
4-Methyl-2-pentanone	80	(78 - 141)	SW846 8260B
Methyl tert-butyl ether (MTBE)	79	(70 - 130)	SW846 8260B
Styrene	97	(85 - 117)	SW846 8260B
1,1,2,2-Tetrachloroethane	90	(85 - 118)	SW846 8260B
Tetrachloroethene	100	(88 - 113)	SW846 8260B
Toluene	**97**	**(74 - 119)**	**SW846 8260B**
1,2,4-Trichloro-benzene	90	(70 - 130)	SW846 8260B
1,1,1-Trichloroethane	91	(78 - 140)	SW846 8260B
1,1,2-Trichloroethane	94	(83 - 122)	SW846 8260B
Trichloroethene	**92**	**(75 - 122)**	**SW846 8260B**
Trichlorofluoromethane	135 a	(70 - 130)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	148 a	(70 - 130)	SW846 8260B
Vinyl chloride	80	(61 - 120)	SW846 8260B
Xylenes (total)	100	(87 - 116)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LAKGD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D220000-490
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acetone	10	6.6	ug/L	66	SW846 8260B
Benzene	**10**	**8.9**	**ug/L**	**89**	**SW846 8260B**
Bromodichloromethane	10	9.0	ug/L	90	SW846 8260B
Bromoform	10	9.2	ug/L	92	SW846 8260B
Bromomethane	10	10	ug/L	103	SW846 8260B
2-Butanone	10	7.3	ug/L	73	SW846 8260B
Carbon disulfide	10	10	ug/L	101	SW846 8260B
Carbon tetrachloride	10	10	ug/L	104	SW846 8260B
Chlorobenzene	**10**	**9.7**	**ug/L**	**97**	**SW846 8260B**
Chloroethane	10	8.9	ug/L	89	SW846 8260B
Chloroform	10	9.2	ug/L	92	SW846 8260B
Chloromethane	10	12	ug/L	117	SW846 8260B
Cyclohexane	10	8.5	ug/L	85	SW846 8260B
Dibromochloromethane	10	9.4	ug/L	94	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	8.1	ug/L	81	SW846 8260B
1,2-Dibromoethane	10	9.3	ug/L	93	SW846 8260B
1,2-Dichlorobenzene	10	9.6	ug/L	96	SW846 8260B
1,3-Dichlorobenzene	10	9.5	ug/L	95	SW846 8260B
1,4-Dichlorobenzene	10	9.6	ug/L	96	SW846 8260B
Dichlorodifluoromethane	10	6.1 a	ug/L	61	SW846 8260B
1,1-Dichloroethane	10	9.4	ug/L	94	SW846 8260B
1,2-Dichloroethane	10	8.8	ug/L	88	SW846 8260B
1,1-Dichloroethene	**10**	**9.6**	**ug/L**	**96**	**SW846 8260B**
cis-1,2-Dichloroethene	10	9.4	ug/L	94	SW846 8260B
trans-1,2-Dichloroethene	10	9.4	ug/L	94	SW846 8260B
1,2-Dichloropropane	10	9.3	ug/L	93	SW846 8260B
cis-1,3-Dichloropropene	10	8.3 a	ug/L	83	SW846 8260B
trans-1,3-Dichloropropene	10	8.7	ug/L	87	SW846 8260B
Ethylbenzene	10	9.6	ug/L	96	SW846 8260B
2-Hexanone	10	8.4	ug/L	84	SW846 8260B
Isopropylbenzene	10	10	ug/L	100	SW846 8260B
Methyl acetate	10	7.2	ug/L	72	SW846 8260B
Methylene chloride	10	9.5	ug/L	95	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LAKGD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D220000-490

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Methylcyclohexane	10	8.5	ug/L	85	SW846 8260B
4-Methyl-2-pentanone	10	8.0	ug/L	80	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	7.9	ug/L	79	SW846 8260B
Styrene	10	9.7	ug/L	97	SW846 8260B
1,1,2,2-Tetrachloroethane	10	9.0	ug/L	90	SW846 8260B
Tetrachloroethene	10	10	ug/L	100	SW846 8260B
Toluene	**10**	**9.7**	**ug/L**	**97**	**SW846 8260B**
1,2,4-Trichloro-benzene	10	9.0	ug/L	90	SW846 8260B
1,1,1-Trichloroethane	10	9.1	ug/L	91	SW846 8260B
1,1,2-Trichloroethane	10	9.4	ug/L	94	SW846 8260B
Trichloroethene	**10**	**9.2**	**ug/L**	**92**	**SW846 8260B**
Trichlorofluoromethane	10	14 a	ug/L	135	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	15 a	ug/L	148	SW846 8260B
Vinyl chloride	10	8.0	ug/L	80	SW846 8260B
Xylenes (total)	30	30	ug/L	100	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A9D240000-092 LANQK1AD-LCSD
Prep Date.....: 04/22/09 **Analysis Date..:** 04/22/09
Prep Batch #...: 9114092
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	61	(22 - 200)			SW846 8260B
	67	(22 - 200)	9.4	(0-95)	SW846 8260B
Benzene	**99**	**(80 - 116)**			**SW846 8260B**
	98	**(80 - 116)**	**0.34**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	98	(87 - 130)			SW846 8260B
	100	(87 - 130)	1.6	(0-30)	SW846 8260B
Bromoform	100	(76 - 150)			SW846 8260B
	100	(76 - 150)	0.37	(0-30)	SW846 8260B
Bromomethane	116	(64 - 129)			SW846 8260B
	110	(64 - 129)	5.6	(0-30)	SW846 8260B
2-Butanone	77	(28 - 237)			SW846 8260B
	82	(28 - 237)	6.4	(0-65)	SW846 8260B
Carbon disulfide	110	(73 - 139)			SW846 8260B
	106	(73 - 139)	4.4	(0-30)	SW846 8260B
Carbon tetrachloride	104	(75 - 149)			SW846 8260B
	102	(75 - 149)	2.3	(0-30)	SW846 8260B
Chlorobenzene	**105**	**(76 - 117)**			**SW846 8260B**
	105	**(76 - 117)**	**0.58**	**(0-20)**	**SW846 8260B**
Chloroethane	87	(66 - 126)			SW846 8260B
	87	(66 - 126)	0.24	(0-30)	SW846 8260B
Chloroform	101	(84 - 128)			SW846 8260B
	100	(84 - 128)	1.7	(0-30)	SW846 8260B
Chloromethane	135 a	(48 - 123)			SW846 8260B
	133 a	(48 - 123)	1.3	(0-30)	SW846 8260B
Cyclohexane	70	(70 - 130)			SW846 8260B
	74	(70 - 130)	6.3	(0-30)	SW846 8260B
Dibromochloromethane	102	(81 - 138)			SW846 8260B
	103	(81 - 138)	0.90	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	84	(70 - 130)			SW846 8260B
	90	(70 - 130)	6.6	(0-30)	SW846 8260B
1,2-Dibromoethane	99	(70 - 130)			SW846 8260B
	102	(70 - 130)	3.2	(0-30)	SW846 8260B
1,2-Dichlorobenzene	103	(70 - 130)			SW846 8260B
	103	(70 - 130)	0.92	(0-30)	SW846 8260B
1,3-Dichlorobenzene	102	(70 - 130)			SW846 8260B
	104	(70 - 130)	2.2	(0-30)	SW846 8260B
1,4-Dichlorobenzene	103	(70 - 130)			SW846 8260B
	104	(70 - 130)	1.2	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A9D240000-092 LANQK1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dichlorodifluoromethane	66 a	(70 - 130)			SW846 8260B
	72	(70 - 130)	8.3	(0-30)	SW846 8260B
1,1-Dichloroethane	102	(86 - 123)			SW846 8260B
	101	(86 - 123)	0.84	(0-30)	SW846 8260B
1,2-Dichloroethane	94	(79 - 136)			SW846 8260B
	95	(79 - 136)	1.4	(0-30)	SW846 8260B
1,1-Dichloroethene	**100**	**(63 - 130)**			**SW846 8260B**
	99	**(63 - 130)**	**1.1**	**(0-20)**	**SW846 8260B**
cis-1,2-Dichloroethene	103	(85 - 113)			SW846 8260B
	102	(85 - 113)	0.41	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	102	(80 - 120)			SW846 8260B
	100	(80 - 120)	2.5	(0-30)	SW846 8260B
1,2-Dichloropropane	99	(82 - 115)			SW846 8260B
	101	(82 - 115)	1.5	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	88	(84 - 130)			SW846 8260B
	91	(84 - 130)	3.7	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	93	(84 - 130)			SW846 8260B
	98	(84 - 130)	5.6	(0-30)	SW846 8260B
Ethylbenzene	102	(86 - 116)			SW846 8260B
	103	(86 - 116)	1.0	(0-30)	SW846 8260B
2-Hexanone	79	(35 - 200)			SW846 8260B
	87	(35 - 200)	9.6	(0-52)	SW846 8260B
Isopropylbenzene	106	(70 - 130)			SW846 8260B
	104	(70 - 130)	1.4	(0-30)	SW846 8260B
Methyl acetate	74	(70 - 130)			SW846 8260B
	78	(70 - 130)	4.8	(0-30)	SW846 8260B
Methylene chloride	101	(78 - 118)			SW846 8260B
	101	(78 - 118)	0.40	(0-30)	SW846 8260B
Methylcyclohexane	63 a	(70 - 130)			SW846 8260B
	70	(70 - 130)	10	(0-30)	SW846 8260B
4-Methyl-2-pentanone	77 a	(78 - 141)			SW846 8260B
	85	(78 - 141)	9.2	(0-32)	SW846 8260B
Methyl tert-butyl ether (MTBE)	83	(70 - 130)			SW846 8260B
	84	(70 - 130)	1.6	(0-30)	SW846 8260B
Styrene	108	(85 - 117)			SW846 8260B
	108	(85 - 117)	0.68	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	93	(85 - 118)			SW846 8260B
	95	(85 - 118)	2.5	(0-30)	SW846 8260B
Tetrachloroethene	105	(88 - 113)			SW846 8260B
	102	(88 - 113)	2.5	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A9D240000-092 LANQK1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	104	**(74 - 119)**	**0.75**	**(0-20)**	**SW846 8260B**
1,2,4-Trichloro-benzene	95	(70 - 130)			SW846 8260B
	97	(70 - 130)	2.8	(0-30)	SW846 8260B
1,1,1-Trichloroethane	94	(78 - 140)			SW846 8260B
	93	(78 - 140)	1.3	(0-30)	SW846 8260B
1,1,2-Trichloroethane	99	(83 - 122)			SW846 8260B
	101	(83 - 122)	2.1	(0-30)	SW846 8260B
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	97	**(75 - 122)**	**1.8**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	118	(70 - 130)			SW846 8260B
	122	(70 - 130)	3.4	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	117	(70 - 130)			SW846 8260B
	130	(70 - 130)	10	(0-30)	SW846 8260B
Vinyl chloride	92	(61 - 120)			SW846 8260B
	90	(61 - 120)	2.7	(0-30)	SW846 8260B
Xylenes (total)	108	(87 - 116)			SW846 8260B
	108	(87 - 116)	0.090	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	96	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	91	(61 - 128)
Toluene-d8	101	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	106	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A9D240000-092 LANQK1AD-LCSD
Prep Date.....: 04/22/09 **Analysis Date..:** 04/22/09
Prep Batch #...: 9114092
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	6.1	ug/L	61		SW846 8260B
	10	6.7	ug/L	67	9.4	SW846 8260B
Benzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.34**	**SW846 8260B**
Bromodichloromethane	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	100	1.6	SW846 8260B
Bromoform	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	100	0.37	SW846 8260B
Bromomethane	10	12	ug/L	116		SW846 8260B
	10	11	ug/L	110	5.6	SW846 8260B
2-Butanone	10	7.7	ug/L	77		SW846 8260B
	10	8.2	ug/L	82	6.4	SW846 8260B
Carbon disulfide	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	106	4.4	SW846 8260B
Carbon tetrachloride	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	102	2.3	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**105**		**SW846 8260B**
	10	**11**	**ug/L**	**105**	**0.58**	**SW846 8260B**
Chloroethane	10	8.7	ug/L	87		SW846 8260B
	10	8.7	ug/L	87	0.24	SW846 8260B
Chloroform	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	1.7	SW846 8260B
Chloromethane	10	13 a	ug/L	135		SW846 8260B
	10	13 a	ug/L	133	1.3	SW846 8260B
Cyclohexane	10	7.0	ug/L	70		SW846 8260B
	10	7.4	ug/L	74	6.3	SW846 8260B
Dibromochloromethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	103	0.90	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	8.4	ug/L	84		SW846 8260B
	10	9.0	ug/L	90	6.6	SW846 8260B
1,2-Dibromoethane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	102	3.2	SW846 8260B
1,2-Dichlorobenzene	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	103	0.92	SW846 8260B
1,3-Dichlorobenzene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	104	2.2	SW846 8260B
1,4-Dichlorobenzene	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	104	1.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A9D240000-092 LANQK1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Dichlorodifluoromethane	10	6.6 a	ug/L	66		SW846 8260B
	10	7.2	ug/L	72	8.3	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	101	0.84	SW846 8260B
1,2-Dichloroethane	10	9.4	ug/L	94		SW846 8260B
	10	9.5	ug/L	95	1.4	SW846 8260B
1,1-Dichloroethene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**1.1**	**SW846 8260B**
cis-1,2-Dichloroethene	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	102	0.41	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	100	2.5	SW846 8260B
1,2-Dichloropropane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	101	1.5	SW846 8260B
cis-1,3-Dichloropropene	10	8.8	ug/L	88		SW846 8260B
	10	9.1	ug/L	91	3.7	SW846 8260B
trans-1,3-Dichloropropene	10	9.3	ug/L	93		SW846 8260B
	10	9.8	ug/L	98	5.6	SW846 8260B
Ethylbenzene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	103	1.0	SW846 8260B
2-Hexanone	10	7.9	ug/L	79		SW846 8260B
	10	8.7	ug/L	87	9.6	SW846 8260B
Isopropylbenzene	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	104	1.4	SW846 8260B
Methyl acetate	10	7.4	ug/L	74		SW846 8260B
	10	7.8	ug/L	78	4.8	SW846 8260B
Methylene chloride	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	101	0.40	SW846 8260B
Methylcyclohexane	10	6.3 a	ug/L	63		SW846 8260B
	10	7.0	ug/L	70	10	SW846 8260B
4-Methyl-2-pentanone	10	7.7 a	ug/L	77		SW846 8260B
	10	8.5	ug/L	85	9.2	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	8.3	ug/L	83		SW846 8260B
	10	8.4	ug/L	84	1.6	SW846 8260B
Styrene	10	11	ug/L	108		SW846 8260B
	10	11	ug/L	108	0.68	SW846 8260B
1,1,2,2-Tetrachloroethane	10	9.3	ug/L	93		SW846 8260B
	10	9.5	ug/L	95	2.5	SW846 8260B
Tetrachloroethene	10	10	ug/L	105		SW846 8260B
	10	10	ug/L	102	2.5	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** LANQK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A9D240000-092 LANQK1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**0.75**	**SW846 8260B**
1,2,4-Trichloro-benzene	10	9.5	ug/L	95		SW846 8260B
	10	9.7	ug/L	97	2.8	SW846 8260B
1,1,1-Trichloroethane	10	9.4	ug/L	94		SW846 8260B
	10	9.3	ug/L	93	1.3	SW846 8260B
1,1,2-Trichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	101	2.1	SW846 8260B
Trichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**1.8**	**SW846 8260B**
Trichlorofluoromethane	10	12	ug/L	118		SW846 8260B
	10	12	ug/L	122	3.4	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	12	ug/L	117		SW846 8260B
	10	13	ug/L	130	10	SW846 8260B
Vinyl chloride	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.7	SW846 8260B
Xylenes (total)	30	32	ug/L	108		SW846 8260B
	30	32	ug/L	108	0.090	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	96	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	91	(61 - 128)
Toluene-d8	101	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	106	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D180000-058
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**69**	**(40 - 110)**	**SW846 8270C**
Acenaphthylene	76	(43 - 110)	SW846 8270C
Acetophenone	82	(50 - 130)	SW846 8270C
Anthracene	74	(54 - 114)	SW846 8270C
Atrazine	116	(50 - 130)	SW846 8270C
Benzo(a)anthracene	83	(55 - 115)	SW846 8270C
Benzo(a)pyrene	72	(43 - 116)	SW846 8270C
Benzo(b)fluoranthene	97	(43 - 122)	SW846 8270C
Benzo(ghi)perylene	79	(45 - 120)	SW846 8270C
Benzo(k)fluoranthene	68	(43 - 124)	SW846 8270C
Benzaldehyde	108	(10 - 130)	SW846 8270C
1,1'-Biphenyl	75	(50 - 130)	SW846 8270C
bis(2-Chloroethoxy) methane	74	(39 - 110)	SW846 8270C
bis(2-Chloroethyl)-ether	76	(34 - 113)	SW846 8270C
bis(2-Ethylhexyl) phthalate	85	(36 - 163)	SW846 8270C
4-Bromophenyl phenyl ether	79	(51 - 114)	SW846 8270C
Butyl benzyl phthalate	85	(53 - 126)	SW846 8270C
Caprolactam	80	(50 - 130)	SW846 8270C
Carbazole	78	(53 - 120)	SW846 8270C
4-Chloroaniline	66	(10 - 110)	SW846 8270C
4-Chloro-3-methylphenol	**77**	**(39 - 110)**	**SW846 8270C**
2-Chloronaphthalene	73	(39 - 110)	SW846 8270C
2-Chlorophenol	**75**	**(27 - 110)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	77	(50 - 115)	SW846 8270C
Chrysene	75	(55 - 115)	SW846 8270C
Dibenz(a,h)anthracene	81	(46 - 122)	SW846 8270C
Dibenzofuran	74	(46 - 111)	SW846 8270C
3,3'-Dichlorobenzidine	43	(19 - 110)	SW846 8270C
2,4-Dichlorophenol	72	(33 - 110)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D180000-058

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diethyl phthalate	82	(33 - 134)	SW846 8270C
2,4-Dimethylphenol	57	(12 - 110)	SW846 8270C
Dimethyl phthalate	81	(15 - 143)	SW846 8270C
Di-n-butyl phthalate	82	(55 - 122)	SW846 8270C
4,6-Dinitro-2-methylphenol	76	(28 - 112)	SW846 8270C
2,4-Dinitrophenol	64	(17 - 112)	SW846 8270C
2,4-Dinitrotoluene	**89**	**(52 - 123)**	**SW846 8270C**
2,6-Dinitrotoluene	81	(52 - 119)	SW846 8270C
Di-n-octyl phthalate	81	(44 - 128)	SW846 8270C
Fluoranthene	80	(54 - 122)	SW846 8270C
Fluorene	73	(47 - 112)	SW846 8270C
Hexachlorobenzene	78	(51 - 112)	SW846 8270C
Hexachlorobutadiene	56	(13 - 110)	SW846 8270C
Hexachlorocyclopenta-diene	40	(10 - 110)	SW846 8270C
Hexachloroethane	58	(12 - 110)	SW846 8270C
Indeno(1,2,3-cd)pyrene	80	(46 - 121)	SW846 8270C
Isophorone	78	(44 - 128)	SW846 8270C
2-Methylnaphthalene	81	(35 - 110)	SW846 8270C
2-Methylphenol	69	(30 - 110)	SW846 8270C
4-Methylphenol	76	(32 - 110)	SW846 8270C
Naphthalene	71	(31 - 110)	SW846 8270C
2-Nitroaniline	83	(43 - 130)	SW846 8270C
3-Nitroaniline	83	(45 - 116)	SW846 8270C
4-Nitroaniline	81	(45 - 120)	SW846 8270C
Nitrobenzene	81	(37 - 115)	SW846 8270C
2-Nitrophenol	76	(29 - 110)	SW846 8270C
4-Nitrophenol	**81**	**(12 - 130)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**80**	**(37 - 121)**	**SW846 8270C**
N-Nitrosodiphenylamine	73	(53 - 113)	SW846 8270C
bis(2-Chloroisopropyl) ether	80	(25 - 128)	SW846 8270C
Pentachlorophenol	**78**	**(26 - 110)**	**SW846 8270C**
Phenanthrene	73	(52 - 114)	SW846 8270C
Phenol	**74**	**(14 - 112)**	**SW846 8270C**

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D180000-058

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Pyrene	**78**	**(55 - 120)**	**SW846 8270C**
2,4,5-Trichloro-phenol	82	(39 - 110)	SW846 8270C
2,4,6-Trichloro-phenol	76	(35 - 110)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(27 - 111)
2-Fluorobiphenyl	82	(28 - 110)
Terphenyl-d14	98	(37 - 119)
Phenol-d5	86	(10 - 110)
2-Fluorophenol	93	(10 - 110)
2,4,6-Tribromophenol	91	(22 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D180000-058
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**20**	**14**	**ug/L**	**69**	**SW846 8270C**
Acenaphthylene	20	15	ug/L	76	SW846 8270C
Acetophenone	20	16	ug/L	82	SW846 8270C
Anthracene	20	15	ug/L	74	SW846 8270C
Atrazine	20	23	ug/L	116	SW846 8270C
Benzo(a)anthracene	20	17	ug/L	83	SW846 8270C
Benzo(a)pyrene	20	14	ug/L	72	SW846 8270C
Benzo(b)fluoranthene	20	19	ug/L	97	SW846 8270C
Benzo(ghi)perylene	20	16	ug/L	79	SW846 8270C
Benzo(k)fluoranthene	20	14	ug/L	68	SW846 8270C
Benzaldehyde	20	22	ug/L	108	SW846 8270C
1,1'-Biphenyl	20	15	ug/L	75	SW846 8270C
bis(2-Chloroethoxy) methane	20	15	ug/L	74	SW846 8270C
bis(2-Chloroethyl)-ether	20	15	ug/L	76	SW846 8270C
bis(2-Ethylhexyl) phthalate	20	17	ug/L	85	SW846 8270C
4-Bromophenyl phenyl ether	20	16	ug/L	79	SW846 8270C
Butyl benzyl phthalate	20	17	ug/L	85	SW846 8270C
Caprolactam	20	16	ug/L	80	SW846 8270C
Carbazole	20	16	ug/L	78	SW846 8270C
4-Chloroaniline	20	13	ug/L	66	SW846 8270C
4-Chloro-3-methylphenol	**20**	**15**	**ug/L**	**77**	**SW846 8270C**
2-Chloronaphthalene	20	15	ug/L	73	SW846 8270C
2-Chlorophenol	**20**	**15**	**ug/L**	**75**	**SW846 8270C**
4-Chlorophenyl phenyl ether	20	15	ug/L	77	SW846 8270C
Chrysene	20	15	ug/L	75	SW846 8270C
Dibenz(a,h)anthracene	20	16	ug/L	81	SW846 8270C
Dibenzofuran	20	15	ug/L	74	SW846 8270C
3,3'-Dichlorobenzidine	20	8.6	ug/L	43	SW846 8270C
2,4-Dichlorophenol	20	14	ug/L	72	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D180000-058

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Diethyl phthalate	20	16	ug/L	82	SW846 8270C
2,4-Dimethylphenol	20	11	ug/L	57	SW846 8270C
Dimethyl phthalate	20	16	ug/L	81	SW846 8270C
Di-n-butyl phthalate	20	16	ug/L	82	SW846 8270C
4,6-Dinitro-2-methylphenol	20	15	ug/L	76	SW846 8270C
2,4-Dinitrophenol	20	13	ug/L	64	SW846 8270C
2,4-Dinitrotoluene	**20**	**18**	**ug/L**	**89**	**SW846 8270C**
2,6-Dinitrotoluene	20	16	ug/L	81	SW846 8270C
Di-n-octyl phthalate	20	16	ug/L	81	SW846 8270C
Fluoranthene	20	16	ug/L	80	SW846 8270C
Fluorene	20	15	ug/L	73	SW846 8270C
Hexachlorobenzene	20	16	ug/L	78	SW846 8270C
Hexachlorobutadiene	20	11	ug/L	56	SW846 8270C
Hexachlorocyclopenta-diene	20	8.0	ug/L	40	SW846 8270C
Hexachloroethane	20	12	ug/L	58	SW846 8270C
Indeno(1,2,3-cd)pyrene	20	16	ug/L	80	SW846 8270C
Isophorone	20	16	ug/L	78	SW846 8270C
2-Methylnaphthalene	20	16	ug/L	81	SW846 8270C
2-Methylphenol	20	14	ug/L	69	SW846 8270C
4-Methylphenol	40	30	ug/L	76	SW846 8270C
Naphthalene	20	14	ug/L	71	SW846 8270C
2-Nitroaniline	20	17	ug/L	83	SW846 8270C
3-Nitroaniline	20	17	ug/L	83	SW846 8270C
4-Nitroaniline	20	16	ug/L	81	SW846 8270C
Nitrobenzene	20	16	ug/L	81	SW846 8270C
2-Nitrophenol	20	15	ug/L	76	SW846 8270C
4-Nitrophenol	**20**	**16**	**ug/L**	**81**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**20**	**16**	**ug/L**	**80**	**SW846 8270C**
N-Nitrosodiphenylamine	20	15	ug/L	73	SW846 8270C
bis(2-Chloroisopropyl) ether	20	16	ug/L	80	SW846 8270C
Pentachlorophenol	**20**	**16**	**ug/L**	**78**	**SW846 8270C**
Phenanthrene	20	15	ug/L	73	SW846 8270C
Phenol	**20**	**15**	**ug/L**	**74**	**SW846 8270C**

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** LACFM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A9D180000-058

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Pyrene	**20**	**16**	**ug/L**	**78**	**SW846 8270C**
2,4,5-Trichloro-phenol	20	16	ug/L	82	SW846 8270C
2,4,6-Trichloro-phenol	20	15	ug/L	76	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(27 - 111)
2-Fluorobiphenyl	82	(28 - 110)
Terphenyl-d14	98	(37 - 119)
Phenol-d5	86	(10 - 110)
2-Fluorophenol	93	(10 - 110)
2,4,6-Tribromophenol	91	(22 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A9D200000-041 **Prep Batch #...:** 9110041					
Cobalt	89	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1A1
Thallium	87	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1A2
Arsenic	92	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1DA
Lead	89	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1DC
Antimony	94	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1DD
Iron	97	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1DE
Aluminum	93	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1ED
Barium	88	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EE
Beryllium	95	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EF
Calcium	102	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EG
Cadmium	95	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EH
Chromium	91	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EJ
Copper	93	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EK
Silver	95	(80 - 120)	SW846 6020 Dilution Factor: 1	04/20-04/27/09	LADCM1EL

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	102	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1EM
		Dilution Factor: 1			
Magnesium	97	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1EN
		Dilution Factor: 1			
Manganese	96	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1EP
		Dilution Factor: 1			
Sodium	87	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1EQ
		Dilution Factor: 1			
Nickel	93	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1ER
		Dilution Factor: 1			
Selenium	98	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1ET
		Dilution Factor: 1			
Vanadium	91	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1EU
		Dilution Factor: 1			
Zinc	110	(80 - 120)	SW846 6020	04/20-04/27/09	LADCM1EV
		Dilution Factor: 1			
Mercury	114	(81 - 123)	SW846 7470A	04/20/09	LADCM1CC
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A9D200000-041 **Prep Batch #...:** 9110041							
Cobalt	100	88.9	ug/L	89	SW846 6020	04/20-04/27/09	LADCM1A1
			Dilution Factor: 1				
Thallium	100	87.5	ug/L	87	SW846 6020	04/20-04/27/09	LADCM1A2
			Dilution Factor: 1				
Arsenic	100	91.7	ug/L	92	SW846 6020	04/20-04/27/09	LADCM1DA
			Dilution Factor: 1				
Lead	100	89.4	ug/L	89	SW846 6020	04/20-04/27/09	LADCM1DC
			Dilution Factor: 1				
Antimony	100	94.3	ug/L	94	SW846 6020	04/20-04/27/09	LADCM1DD
			Dilution Factor: 1				
Iron	10000	9680	ug/L	97	SW846 6020	04/20-04/27/09	LADCM1DE
			Dilution Factor: 1				
Aluminum	10000	9250	ug/L	93	SW846 6020	04/20-04/27/09	LADCM1ED
			Dilution Factor: 1				
Barium	100	87.6	ug/L	88	SW846 6020	04/20-04/27/09	LADCM1EE
			Dilution Factor: 1				
Beryllium	100	95.0	ug/L	95	SW846 6020	04/20-04/27/09	LADCM1EF
			Dilution Factor: 1				
Calcium	10000	10200	ug/L	102	SW846 6020	04/20-04/27/09	LADCM1EG
			Dilution Factor: 1				
Cadmium	100	95.2	ug/L	95	SW846 6020	04/20-04/27/09	LADCM1EH
			Dilution Factor: 1				
Chromium	100	90.5	ug/L	91	SW846 6020	04/20-04/27/09	LADCM1EJ
			Dilution Factor: 1				
Copper	100	93.2	ug/L	93	SW846 6020	04/20-04/27/09	LADCM1EK
			Dilution Factor: 1				
Silver	100	94.5	ug/L	95	SW846 6020	04/20-04/27/09	LADCM1EL
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	10000	10200	ug/L	102	SW846 6020	04/20-04/27/09	LADCM1EM
			Dilution Factor: 1				
Magnesium	10000	9740	ug/L	97	SW846 6020	04/20-04/27/09	LADCM1EN
			Dilution Factor: 1				
Manganese	100	96.4	ug/L	96	SW846 6020	04/20-04/27/09	LADCM1EP
			Dilution Factor: 1				
Sodium	10000	8740	ug/L	87	SW846 6020	04/20-04/27/09	LADCM1EQ
			Dilution Factor: 1				
Nickel	100	92.8	ug/L	93	SW846 6020	04/20-04/27/09	LADCM1ER
			Dilution Factor: 1				
Selenium	100	97.6	ug/L	98	SW846 6020	04/20-04/27/09	LADCM1ET
			Dilution Factor: 1				
Vanadium	100	91.1	ug/L	91	SW846 6020	04/20-04/27/09	LADCM1EU
			Dilution Factor: 1				
Zinc	100	110	ug/L	110	SW846 6020	04/20-04/27/09	LADCM1EV
			Dilution Factor: 1				
Mercury	5.0	5.7	ug/L	114	SW846 7470A	04/20/09	LADCM1CC
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1AV-MSD
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	62	(45 - 128)			SW846 8260B
	70	(45 - 128)	12	(0-30)	SW846 8260B
Benzene	**92**	**(78 - 118)**			**SW846 8260B**
	93	**(78 - 118)**	**1.4**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	93	(80 - 146)			SW846 8260B
	93	(80 - 146)	0.24	(0-30)	SW846 8260B
Bromoform	94	(58 - 176)			SW846 8260B
	92	(58 - 176)	2.2	(0-30)	SW846 8260B
Bromomethane	111	(55 - 145)			SW846 8260B
	123	(55 - 145)	11	(0-30)	SW846 8260B
2-Butanone	78	(71 - 123)			SW846 8260B
	77	(71 - 123)	1.4	(0-30)	SW846 8260B
Carbon disulfide	105	(69 - 138)			SW846 8260B
	106	(69 - 138)	0.49	(0-41)	SW846 8260B
Carbon tetrachloride	99	(63 - 176)			SW846 8260B
	101	(63 - 176)	1.8	(0-30)	SW846 8260B
Chlorobenzene	**101**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**0.75**	**(0-20)**	**SW846 8260B**
Chloroethane	101	(59 - 142)			SW846 8260B
	105	(59 - 142)	3.7	(0-30)	SW846 8260B
Chloroform	93	(83 - 141)			SW846 8260B
	96	(83 - 141)	3.4	(0-30)	SW846 8260B
Chloromethane	129	(40 - 137)			SW846 8260B
	146 a	(40 - 137)	12	(0-39)	SW846 8260B
Cyclohexane	73	(70 - 130)			SW846 8260B
	74	(70 - 130)	2.2	(0-30)	SW846 8260B
Dibromochloromethane	97	(71 - 158)			SW846 8260B
	97	(71 - 158)	0.04	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	82	(70 - 130)			SW846 8260B
	84	(70 - 130)	2.3	(0-30)	SW846 8260B
1,2-Dibromoethane	96	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.5	(0-30)	SW846 8260B
1,2-Dichlorobenzene	97	(70 - 130)			SW846 8260B
	99	(70 - 130)	1.8	(0-30)	SW846 8260B
1,3-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	99	(70 - 130)	2.5	(0-30)	SW846 8260B
1,4-Dichlorobenzene	97	(70 - 130)			SW846 8260B
	98	(70 - 130)	1.3	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1AV-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dichlorodifluoromethane	80	(70 - 130)			SW846 8260B
	83	(70 - 130)	3.8	(0-30)	SW846 8260B
1,1-Dichloroethane	96	(88 - 127)			SW846 8260B
	98	(88 - 127)	1.8	(0-30)	SW846 8260B
1,2-Dichloroethane	90	(71 - 160)			SW846 8260B
	91	(71 - 160)	0.59	(0-30)	SW846 8260B
1,1-Dichloroethene	**95**	**(62 - 130)**			**SW846 8260B**
	97	**(62 - 130)**	**1.9**	**(0-20)**	**SW846 8260B**
cis-1,2-Dichloroethene	94	(87 - 114)			SW846 8260B
	98	(87 - 114)	3.3	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	96	(85 - 116)			SW846 8260B
	96	(85 - 116)	0.56	(0-30)	SW846 8260B
1,2-Dichloropropane	95	(87 - 114)			SW846 8260B
	95	(87 - 114)	0.15	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	78 a	(82 - 130)			SW846 8260B
	80 a	(82 - 130)	2.4	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	90	(73 - 147)			SW846 8260B
	89	(73 - 147)	1.7	(0-30)	SW846 8260B
Ethylbenzene	99	(86 - 132)			SW846 8260B
	97	(86 - 132)	1.5	(0-30)	SW846 8260B
2-Hexanone	81	(81 - 128)			SW846 8260B
	82	(81 - 128)	1.7	(0-30)	SW846 8260B
Isopropylbenzene	98	(70 - 130)			SW846 8260B
	98	(70 - 130)	0.39	(0-30)	SW846 8260B
Methyl acetate	67 a	(70 - 130)			SW846 8260B
	71	(70 - 130)	5.0	(0-30)	SW846 8260B
Methylene chloride	95	(82 - 115)			SW846 8260B
	96	(82 - 115)	0.98	(0-30)	SW846 8260B
Methylcyclohexane	67 a	(70 - 130)			SW846 8260B
	70	(70 - 130)	3.5	(0-30)	SW846 8260B
4-Methyl-2-pentanone	76 a	(82 - 135)			SW846 8260B
	78 a	(82 - 135)	2.0	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	76	(70 - 130)			SW846 8260B
	81	(70 - 130)	5.3	(0-30)	SW846 8260B
Styrene	102	(83 - 120)			SW846 8260B
	101	(83 - 120)	1.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	92	(88 - 116)			SW846 8260B
	93	(88 - 116)	0.82	(0-30)	SW846 8260B
Tetrachloroethene	102	(85 - 121)			SW846 8260B
	99	(85 - 121)	2.6	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1AV-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**100**	**(70 - 119)**			**SW846 8260B**
	99	**(70 - 119)**	**1.6**	**(0-20)**	**SW846 8260B**
1,2,4-Trichloro-benzene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.51	(0-30)	SW846 8260B
1,1,1-Trichloroethane	88	(71 - 162)			SW846 8260B
	89	(71 - 162)	1.6	(0-30)	SW846 8260B
1,1,2-Trichloroethane	98	(86 - 129)			SW846 8260B
	95	(86 - 129)	3.3	(0-30)	SW846 8260B
Trichloroethene	**92**	**(62 - 130)**			**SW846 8260B**
	92	**(62 - 130)**	**0.52**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	120	(70 - 130)			SW846 8260B
	123	(70 - 130)	2.5	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	127	(70 - 130)			SW846 8260B
	128	(70 - 130)	0.67	(0-30)	SW846 8260B
Vinyl chloride	91	(88 - 126)			SW846 8260B
	93	(88 - 126)	2.5	(0-30)	SW846 8260B
Xylenes (total)	103	(89 - 121)			SW846 8260B
	102	(89 - 121)	0.99	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	91	(61 - 128)
Toluene-d8	100	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	103	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1AV-MSD
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09
Prep Date.....: 04/21/09 **Analysis Date..:** 04/21/09
Prep Batch #...: 9112490
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10	6.2	ug/L	62		SW846 8260B
	ND	10	7.0	ug/L	70	12	SW846 8260B
Benzene	**ND**	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	ND	**10**	**9.3**	**ug/L**	**93**	**1.4**	**SW846 8260B**
Bromodichloromethane	ND	10	9.3	ug/L	93		SW846 8260B
	ND	10	9.3	ug/L	93	0.24	SW846 8260B
Bromoform	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	9.2	ug/L	92	2.2	SW846 8260B
Bromomethane	ND	10	11	ug/L	111		SW846 8260B
	ND	10	12	ug/L	123	11	SW846 8260B
2-Butanone	ND	10	7.8	ug/L	78		SW846 8260B
	ND	10	7.7	ug/L	77	1.4	SW846 8260B
Carbon disulfide	ND	10	11	ug/L	105		SW846 8260B
	ND	10	11	ug/L	106	0.49	SW846 8260B
Carbon tetrachloride	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	10	ug/L	101	1.8	SW846 8260B
Chlorobenzene	**ND**	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**100**	**0.75**	**SW846 8260B**
Chloroethane	ND	10	10	ug/L	101		SW846 8260B
	ND	10	11	ug/L	105	3.7	SW846 8260B
Chloroform	ND	10	9.3	ug/L	93		SW846 8260B
	ND	10	9.6	ug/L	96	3.4	SW846 8260B
Chloromethane	ND	10	13	ug/L	129		SW846 8260B
	ND	10	15	ug/L	146 a	12	SW846 8260B
Cyclohexane	ND	10	7.3	ug/L	73		SW846 8260B
	ND	10	7.4	ug/L	74	2.2	SW846 8260B
Dibromochloromethane	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.7	ug/L	97	0.04	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	8.2	ug/L	82		SW846 8260B
	ND	10	8.4	ug/L	84	2.3	SW846 8260B
1,2-Dibromoethane	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.5	ug/L	95	1.5	SW846 8260B
1,2-Dichlorobenzene	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.9	ug/L	99	1.8	SW846 8260B
1,3-Dichlorobenzene	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.9	ug/L	99	2.5	SW846 8260B
1,4-Dichlorobenzene	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.8	ug/L	98	1.3	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1AV-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dichlorodifluoromethane	ND	10	8.0	ug/L	80		SW846 8260B
	ND	10	8.3	ug/L	83	3.8	SW846 8260B
1,1-Dichloroethane	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.8	ug/L	98	1.8	SW846 8260B
1,2-Dichloroethane	ND	10	9.0	ug/L	90		SW846 8260B
	ND	10	9.1	ug/L	91	0.59	SW846 8260B
1,1-Dichloroethene	**ND**	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	ND	**10**	**9.7**	**ug/L**	**97**	**1.9**	**SW846 8260B**
cis-1,2-Dichloroethene	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	9.8	ug/L	98	3.3	SW846 8260B
trans-1,2-Dichloroethene	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.6	ug/L	96	0.56	SW846 8260B
1,2-Dichloropropane	ND	10	9.5	ug/L	95		SW846 8260B
	ND	10	9.5	ug/L	95	0.15	SW846 8260B
cis-1,3-Dichloropropene	ND	10	7.8	ug/L	78 a		SW846 8260B
	ND	10	8.0	ug/L	80 a	2.4	SW846 8260B
trans-1,3-Dichloropropene	ND	10	9.0	ug/L	90		SW846 8260B
	ND	10	8.9	ug/L	89	1.7	SW846 8260B
Ethylbenzene	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.7	ug/L	97	1.5	SW846 8260B
2-Hexanone	ND	10	8.1	ug/L	81		SW846 8260B
	ND	10	8.2	ug/L	82	1.7	SW846 8260B
Isopropylbenzene	ND	10	9.8	ug/L	98		SW846 8260B
	ND	10	9.8	ug/L	98	0.39	SW846 8260B
Methyl acetate	ND	10	6.7	ug/L	67 a		SW846 8260B
	ND	10	7.1	ug/L	71	5.0	SW846 8260B
Methylene chloride	ND	10	9.5	ug/L	95		SW846 8260B
	ND	10	9.6	ug/L	96	0.98	SW846 8260B
Methylcyclohexane	ND	10	6.7	ug/L	67 a		SW846 8260B
	ND	10	7.0	ug/L	70	3.5	SW846 8260B
4-Methyl-2-pentanone	ND	10	7.6	ug/L	76 a		SW846 8260B
	ND	10	7.8	ug/L	78 a	2.0	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	10	7.6	ug/L	76		SW846 8260B
	ND	10	8.1	ug/L	81	5.3	SW846 8260B
Styrene	ND	10	10	ug/L	102		SW846 8260B
	ND	10	10	ug/L	101	1.2	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.3	ug/L	93	0.82	SW846 8260B
Tetrachloroethene	ND	10	10	ug/L	102		SW846 8260B
	ND	10	9.9	ug/L	99	2.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1AV-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Toluene	**ND**	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	ND	**10**	**9.9**	**ug/L**	**99**	**1.6**	**SW846 8260B**
1,2,4-Trichloro-benzene	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.1	ug/L	91	0.51	SW846 8260B
1,1,1-Trichloroethane	ND	10	8.8	ug/L	88		SW846 8260B
	ND	10	8.9	ug/L	89	1.6	SW846 8260B
1,1,2-Trichloroethane	ND	10	9.8	ug/L	98		SW846 8260B
	ND	10	9.5	ug/L	95	3.3	SW846 8260B
Trichloroethene	**ND**	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	ND	**10**	**9.2**	**ug/L**	**92**	**0.52**	**SW846 8260B**
Trichlorofluoromethane	ND	10	12	ug/L	120		SW846 8260B
	ND	10	12	ug/L	123	2.5	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	13	ug/L	127		SW846 8260B
	ND	10	13	ug/L	128	0.67	SW846 8260B
Vinyl chloride	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.3	ug/L	93	2.5	SW846 8260B
Xylenes (total)	ND	30	31	ug/L	103		SW846 8260B
	ND	30	31	ug/L	102	0.99	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	91	(61 - 128)
Toluene-d8	100	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	103	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K99C31CF-MS **Matrix.....:** WATER
MS Lot-Sample #: A9D170172-008 K99C31CG-MSD
Date Sampled...: 04/15/09 17:12 **Date Received..:** 04/17/09
Prep Date.....: 04/22/09 **Analysis Date..:** 04/22/09
Prep Batch #...: 9114092
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	73	(45 - 128)			SW846 8260B
	68	(45 - 128)	7.0	(0-30)	SW846 8260B
Benzene	**96**	**(78 - 118)**			**SW846 8260B**
	93	**(78 - 118)**	**3.7**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	96	(80 - 146)			SW846 8260B
	92	(80 - 146)	4.5	(0-30)	SW846 8260B
Bromoform	99	(58 - 176)			SW846 8260B
	95	(58 - 176)	3.3	(0-30)	SW846 8260B
Bromomethane	94	(55 - 145)			SW846 8260B
	106	(55 - 145)	12	(0-30)	SW846 8260B
2-Butanone	82	(71 - 123)			SW846 8260B
	81	(71 - 123)	0.60	(0-30)	SW846 8260B
Carbon disulfide	106	(69 - 138)			SW846 8260B
	105	(69 - 138)	0.94	(0-41)	SW846 8260B
Carbon tetrachloride	107	(63 - 176)			SW846 8260B
	107	(63 - 176)	0.37	(0-30)	SW846 8260B
Chlorobenzene	**102**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**2.4**	**(0-20)**	**SW846 8260B**
Chloroethane	90	(59 - 142)			SW846 8260B
	96	(59 - 142)	6.4	(0-30)	SW846 8260B
Chloroform	97	(83 - 141)			SW846 8260B
	92	(83 - 141)	5.1	(0-30)	SW846 8260B
Chloromethane	124	(40 - 137)			SW846 8260B
	121	(40 - 137)	2.3	(0-39)	SW846 8260B
Cyclohexane	81	(70 - 130)			SW846 8260B
	89	(70 - 130)	10	(0-30)	SW846 8260B
Dibromochloromethane	102	(71 - 158)			SW846 8260B
	97	(71 - 158)	5.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.2	(0-30)	SW846 8260B
1,2-Dibromoethane	99	(70 - 130)			SW846 8260B
	98	(70 - 130)	0.63	(0-30)	SW846 8260B
1,2-Dichlorobenzene	99	(70 - 130)			SW846 8260B
	97	(70 - 130)	2.4	(0-30)	SW846 8260B
1,3-Dichlorobenzene	98	(70 - 130)			SW846 8260B
	96	(70 - 130)	2.0	(0-30)	SW846 8260B
1,4-Dichlorobenzene	99	(70 - 130)			SW846 8260B
	96	(70 - 130)	2.7	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K99C31CF-MS **Matrix.....:** WATER
MS Lot-Sample #: A9D170172-008 K99C31CG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dichlorodifluoromethane	78	(70 - 130)			SW846 8260B
	89	(70 - 130)	13	(0-30)	SW846 8260B
1,1-Dichloroethane	100	(88 - 127)			SW846 8260B
	96	(88 - 127)	4.6	(0-30)	SW846 8260B
1,2-Dichloroethane	92	(71 - 160)			SW846 8260B
	90	(71 - 160)	2.6	(0-30)	SW846 8260B
1,1-Dichloroethene	**102**	**(62 - 130)**			**SW846 8260B**
	101	**(62 - 130)**	**0.72**	**(0-20)**	**SW846 8260B**
cis-1,2-Dichloroethene	98	(87 - 114)			SW846 8260B
	95	(87 - 114)	3.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	99	(85 - 116)			SW846 8260B
	95	(85 - 116)	4.4	(0-30)	SW846 8260B
1,2-Dichloropropane	99	(87 - 114)			SW846 8260B
	95	(87 - 114)	4.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	80 a	(82 - 130)			SW846 8260B
	79 a	(82 - 130)	1.6	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	91	(73 - 147)			SW846 8260B
	91	(73 - 147)	0.07	(0-30)	SW846 8260B
Ethylbenzene	100	(86 - 132)			SW846 8260B
	100	(86 - 132)	0.39	(0-30)	SW846 8260B
2-Hexanone	86	(81 - 128)			SW846 8260B
	86	(81 - 128)	0.80	(0-30)	SW846 8260B
Isopropylbenzene	102	(70 - 130)			SW846 8260B
	101	(70 - 130)	0.77	(0-30)	SW846 8260B
Methyl acetate	77	(70 - 130)			SW846 8260B
	73	(70 - 130)	5.6	(0-30)	SW846 8260B
Methylene chloride	97	(82 - 115)			SW846 8260B
	91	(82 - 115)	6.0	(0-30)	SW846 8260B
Methylcyclohexane	76	(70 - 130)			SW846 8260B
	86	(70 - 130)	12	(0-30)	SW846 8260B
4-Methyl-2-pentanone	81 a	(82 - 135)			SW846 8260B
	82	(82 - 135)	1.0	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	80	(70 - 130)			SW846 8260B
	78	(70 - 130)	2.0	(0-30)	SW846 8260B
Styrene	103	(83 - 120)			SW846 8260B
	102	(83 - 120)	1.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	95	(88 - 116)			SW846 8260B
	95	(88 - 116)	0.82	(0-30)	SW846 8260B
Tetrachloroethene	105	(85 - 121)			SW846 8260B
	105	(85 - 121)	0.01	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K99C31CF-MS **Matrix.....:** WATER
MS Lot-Sample #: A9D170172-008 K99C31CG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**102**	**(70 - 119)**			**SW846 8260B**
	101	**(70 - 119)**	**1.3**	**(0-20)**	**SW846 8260B**
1,2,4-Trichloro-benzene	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.6	(0-30)	SW846 8260B
1,1,1-Trichloroethane	91	(71 - 162)			SW846 8260B
	91	(71 - 162)	0.92	(0-30)	SW846 8260B
1,1,2-Trichloroethane	100	(86 - 129)			SW846 8260B
	98	(86 - 129)	1.9	(0-30)	SW846 8260B
Trichloroethene	**96**	**(62 - 130)**			**SW846 8260B**
	95	**(62 - 130)**	**0.64**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	121	(70 - 130)			SW846 8260B
	135 a	(70 - 130)	11	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	143 a	(70 - 130)			SW846 8260B
	154 a	(70 - 130)	7.0	(0-30)	SW846 8260B
Vinyl chloride	92	(88 - 126)			SW846 8260B
	93	(88 - 126)	2.0	(0-30)	SW846 8260B
Xylenes (total)	106	(89 - 121)			SW846 8260B
	103	(89 - 121)	2.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
	91	(61 - 128)
Toluene-d8	102	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	107	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K99C31CF-MS **Matrix.....:** WATER
MS Lot-Sample #: A9D170172-008 K99C31CG-MSD
Date Sampled...: 04/15/09 17:12 **Date Received..:** 04/17/09
Prep Date.....: 04/22/09 **Analysis Date..:** 04/22/09
Prep Batch #...: 9114092
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10	7.3	ug/L	73		SW846 8260B
	ND	10	6.8	ug/L	68	7.0	SW846 8260B
Benzene	**ND**	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	ND	**10**	**9.3**	**ug/L**	**93**	**3.7**	**SW846 8260B**
Bromodichloromethane	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.2	ug/L	92	4.5	SW846 8260B
Bromoform	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.5	ug/L	95	3.3	SW846 8260B
Bromomethane	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	11	ug/L	106	12	SW846 8260B
2-Butanone	ND	10	8.2	ug/L	82		SW846 8260B
	ND	10	8.1	ug/L	81	0.60	SW846 8260B
Carbon disulfide	ND	10	11	ug/L	106		SW846 8260B
	ND	10	11	ug/L	105	0.94	SW846 8260B
Carbon tetrachloride	ND	10	11	ug/L	107		SW846 8260B
	ND	10	11	ug/L	107	0.37	SW846 8260B
Chlorobenzene	**ND**	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**100**	**2.4**	**SW846 8260B**
Chloroethane	ND	10	9.0	ug/L	90		SW846 8260B
	ND	10	9.6	ug/L	96	6.4	SW846 8260B
Chloroform	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.2	ug/L	92	5.1	SW846 8260B
Chloromethane	ND	10	12	ug/L	124		SW846 8260B
	ND	10	12	ug/L	121	2.3	SW846 8260B
Cyclohexane	ND	10	8.1	ug/L	81		SW846 8260B
	ND	10	8.9	ug/L	89	10	SW846 8260B
Dibromochloromethane	ND	10	10	ug/L	102		SW846 8260B
	ND	10	9.7	ug/L	97	5.1	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.3	ug/L	93	2.2	SW846 8260B
1,2-Dibromoethane	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.8	ug/L	98	0.63	SW846 8260B
1,2-Dichlorobenzene	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.7	ug/L	97	2.4	SW846 8260B
1,3-Dichlorobenzene	ND	10	9.8	ug/L	98		SW846 8260B
	ND	10	9.6	ug/L	96	2.0	SW846 8260B
1,4-Dichlorobenzene	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.6	ug/L	96	2.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K99C31CF-MS **Matrix.....:** WATER
MS Lot-Sample #: A9D170172-008 K99C31CG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dichlorodifluoromethane	ND	10	7.8	ug/L	78		SW846 8260B
	ND	10	8.9	ug/L	89	13	SW846 8260B
1,1-Dichloroethane	ND	10	10	ug/L	100		SW846 8260B
	ND	10	9.6	ug/L	96	4.6	SW846 8260B
1,2-Dichloroethane	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.0	ug/L	90	2.6	SW846 8260B
1,1-Dichloroethene	**ND**	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**101**	**0.72**	**SW846 8260B**
cis-1,2-Dichloroethene	ND	10	9.8	ug/L	98		SW846 8260B
	ND	10	9.5	ug/L	95	3.9	SW846 8260B
trans-1,2-Dichloroethene	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.5	ug/L	95	4.4	SW846 8260B
1,2-Dichloropropane	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	9.5	ug/L	95	4.1	SW846 8260B
cis-1,3-Dichloropropene	ND	10	8.0	ug/L	80 a		SW846 8260B
	ND	10	7.9	ug/L	79 a	1.6	SW846 8260B
trans-1,3-Dichloropropene	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.1	ug/L	91	0.07	SW846 8260B
Ethylbenzene	ND	10	10	ug/L	100		SW846 8260B
	ND	10	10	ug/L	100	0.39	SW846 8260B
2-Hexanone	ND	10	8.6	ug/L	86		SW846 8260B
	ND	10	8.6	ug/L	86	0.80	SW846 8260B
Isopropylbenzene	ND	10	10	ug/L	102		SW846 8260B
	ND	10	10	ug/L	101	0.77	SW846 8260B
Methyl acetate	ND	10	7.7	ug/L	77		SW846 8260B
	ND	10	7.3	ug/L	73	5.6	SW846 8260B
Methylene chloride	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.1	ug/L	91	6.0	SW846 8260B
Methylcyclohexane	ND	10	7.6	ug/L	76		SW846 8260B
	ND	10	8.6	ug/L	86	12	SW846 8260B
4-Methyl-2-pentanone	ND	10	8.1	ug/L	81 a		SW846 8260B
	ND	10	8.2	ug/L	82	1.0	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	10	8.0	ug/L	80		SW846 8260B
	ND	10	7.8	ug/L	78	2.0	SW846 8260B
Styrene	ND	10	10	ug/L	103		SW846 8260B
	ND	10	10	ug/L	102	1.5	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	9.5	ug/L	95		SW846 8260B
	ND	10	9.5	ug/L	95	0.82	SW846 8260B
Tetrachloroethene	ND	10	11	ug/L	105		SW846 8260B
	ND	10	11	ug/L	105	0.01	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A9D170133 **Work Order #...:** K99C31CF-MS **Matrix.....:** WATER
MS Lot-Sample #: A9D170172-008 K99C31CG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Toluene	**ND**	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**101**	**1.3**	**SW846 8260B**
1,2,4-Trichloro-benzene	ND	10	9.0	ug/L	90		SW846 8260B
	ND	10	9.4	ug/L	94	4.6	SW846 8260B
1,1,1-Trichloroethane	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.1	ug/L	91	0.92	SW846 8260B
1,1,2-Trichloroethane	ND	10	10	ug/L	100		SW846 8260B
	ND	10	9.8	ug/L	98	1.9	SW846 8260B
Trichloroethene	**ND**	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	ND	**10**	**9.5**	**ug/L**	**95**	**0.64**	**SW846 8260B**
Trichlorofluoromethane	ND	10	12	ug/L	121		SW846 8260B
	ND	10	13	ug/L	135 a	11	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	14	ug/L	143 a		SW846 8260B
	ND	10	15	ug/L	154 a	7.0	SW846 8260B
Vinyl chloride	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.3	ug/L	93	2.0	SW846 8260B
Xylenes (total)	ND	30	32	ug/L	106		SW846 8260B
	ND	30	31	ug/L	103	2.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
	91	(61 - 128)
Toluene-d8	102	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	107	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**72**	**(36 - 110)**			**SW846 8270C**
	76	**(36 - 110)**	**5.4**	**(0-30)**	**SW846 8270C**
Acenaphthylene	78	(39 - 110)			SW846 8270C
	82	(39 - 110)	4.8	(0-30)	SW846 8270C
Acetophenone	75	(50 - 130)			SW846 8270C
	74	(50 - 130)	1.2	(0-30)	SW846 8270C
Anthracene	78	(46 - 110)			SW846 8270C
	82	(46 - 110)	5.1	(0-30)	SW846 8270C
Atrazine	115	(50 - 130)			SW846 8270C
	123	(50 - 130)	6.5	(0-30)	SW846 8270C
Benzo(a)anthracene	82	(52 - 110)			SW846 8270C
	90	(52 - 110)	9.0	(0-30)	SW846 8270C
Benzo(a)pyrene	77	(33 - 110)			SW846 8270C
	83	(33 - 110)	6.5	(0-30)	SW846 8270C
Benzo(b)fluoranthene	92	(33 - 114)			SW846 8270C
	96	(33 - 114)	4.3	(0-30)	SW846 8270C
Benzo(ghi)perylene	85	(34 - 116)			SW846 8270C
	91	(34 - 116)	7.3	(0-30)	SW846 8270C
Benzo(k)fluoranthene	84	(32 - 121)			SW846 8270C
	91	(32 - 121)	7.6	(0-30)	SW846 8270C
Benzaldehyde	94	(10 - 130)			SW846 8270C
	93	(10 - 130)	1.6	(0-30)	SW846 8270C
1,1'-Biphenyl	71	(50 - 130)			SW846 8270C
	74	(50 - 130)	3.6	(0-30)	SW846 8270C
bis(2-Chloroethoxy) methane	78	(35 - 110)			SW846 8270C
	77	(35 - 110)	0.31	(0-30)	SW846 8270C
bis(2-Chloroethyl)-ether	84	(27 - 110)			SW846 8270C
	76	(27 - 110)	11	(0-30)	SW846 8270C
bis(2-Ethylhexyl) phthalate	84	(40 - 140)			SW846 8270C
	93	(40 - 140)	8.7	(0-30)	SW846 8270C
4-Bromophenyl phenyl ether	82	(42 - 113)			SW846 8270C
	87	(42 - 113)	6.7	(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Butyl benzyl phthalate	92	(51 - 121)			SW846 8270C
	97	(51 - 121)	5.2	(0-30)	SW846 8270C
Caprolactam	56	(50 - 130)			SW846 8270C
	74	(50 - 130)	27	(0-30)	SW846 8270C
Carbazole	83	(49 - 114)			SW846 8270C
	88	(49 - 114)	6.6	(0-30)	SW846 8270C
4-Chloroaniline	62	(10 - 110)			SW846 8270C
	49	(10 - 110)	23	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	**83**	**(33 - 110)**			**SW846 8270C**
	86	**(33 - 110)**	**2.6**	**(0-30)**	**SW846 8270C**
2-Chloronaphthalene	74	(34 - 110)			SW846 8270C
	78	(34 - 110)	5.2	(0-30)	SW846 8270C
2-Chlorophenol	**78**	**(26 - 110)**			**SW846 8270C**
	76	**(26 - 110)**	**2.0**	**(0-30)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	81	(43 - 113)			SW846 8270C
	85	(43 - 113)	5.0	(0-30)	SW846 8270C
Chrysene	83	(52 - 111)			SW846 8270C
	90	(52 - 111)	8.5	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	86	(35 - 118)			SW846 8270C
	91	(35 - 118)	5.3	(0-30)	SW846 8270C
Dibenzofuran	76	(41 - 110)			SW846 8270C
	80	(41 - 110)	5.1	(0-30)	SW846 8270C
3,3'-Dichlorobenzidine	24	(10 - 110)			SW846 8270C
	26	(10 - 110)	11	(0-30)	SW846 8270C
2,4-Dichlorophenol	78	(30 - 110)			SW846 8270C
	80	(30 - 110)	1.7	(0-30)	SW846 8270C
Diethyl phthalate	86	(33 - 130)			SW846 8270C
	91	(33 - 130)	5.6	(0-30)	SW846 8270C
2,4-Dimethylphenol	64	(11 - 110)			SW846 8270C
	66	(11 - 110)	3.4	(0-30)	SW846 8270C
Dimethyl phthalate	85	(36 - 124)			SW846 8270C
	89	(36 - 124)	4.5	(0-30)	SW846 8270C
Di-n-butyl phthalate	91	(50 - 117)			SW846 8270C
	99	(50 - 117)	8.6	(0-30)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(25 - 110)			SW846 8270C
	85	(25 - 110)	1.4	(0-30)	SW846 8270C
2,4-Dinitrophenol	77	(11 - 119)			SW846 8270C
	82	(11 - 119)	5.4	(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrotoluene	**92**	**(46 - 119)**			**SW846 8270C**
	97	**(46 - 119)**	**5.6**	**(0-30)**	**SW846 8270C**
2,6-Dinitrotoluene	82	(48 - 115)			SW846 8270C
	86	(48 - 115)	4.1	(0-30)	SW846 8270C
Di-n-octyl phthalate	89	(36 - 124)			SW846 8270C
	95	(36 - 124)	6.2	(0-30)	SW846 8270C
Fluoranthene	87	(53 - 111)			SW846 8270C
	93	(53 - 111)	7.6	(0-30)	SW846 8270C
Fluorene	76	(43 - 110)			SW846 8270C
	81	(43 - 110)	5.4	(0-30)	SW846 8270C
Hexachlorobenzene	82	(40 - 113)			SW846 8270C
	90	(40 - 113)	8.8	(0-30)	SW846 8270C
Hexachlorobutadiene	64	(14 - 110)			SW846 8270C
	59	(14 - 110)	9.2	(0-30)	SW846 8270C
Hexachlorocyclopenta-diene	44	(10 - 110)			SW846 8270C
	47	(10 - 110)	6.2	(0-30)	SW846 8270C
Hexachloroethane	66	(10 - 110)			SW846 8270C
	59	(10 - 110)	11	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	85	(36 - 116)			SW846 8270C
	92	(36 - 116)	7.7	(0-30)	SW846 8270C
Isophorone	85	(34 - 125)			SW846 8270C
	86	(34 - 125)	1.7	(0-30)	SW846 8270C
2-Methylnaphthalene	86	(35 - 110)			SW846 8270C
	89	(35 - 110)	3.1	(0-30)	SW846 8270C
2-Methylphenol	77	(26 - 110)			SW846 8270C
	75	(26 - 110)	2.4	(0-30)	SW846 8270C
4-Methylphenol	78	(25 - 110)			SW846 8270C
	78	(25 - 110)	0.10	(0-30)	SW846 8270C
Naphthalene	75	(32 - 110)			SW846 8270C
	72	(32 - 110)	4.7	(0-30)	SW846 8270C
2-Nitroaniline	86	(31 - 129)			SW846 8270C
	91	(31 - 129)	6.3	(0-30)	SW846 8270C
3-Nitroaniline	77	(23 - 112)			SW846 8270C
	77	(23 - 112)	0.10	(0-30)	SW846 8270C
4-Nitroaniline	78	(26 - 115)			SW846 8270C
	81	(26 - 115)	3.1	(0-30)	SW846 8270C
Nitrobenzene	85	(26 - 118)			SW846 8270C
	81	(26 - 118)	4.3	(0-30)	SW846 8270C
2-Nitrophenol	80	(30 - 110)			SW846 8270C
	78	(30 - 110)	1.9	(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitrophenol	**87**	**(13 - 127)**			**SW846 8270C**
	88	**(13 - 127)**	**0.30**	**(0-30)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**82**	**(25 - 119)**			**SW846 8270C**
	83	**(25 - 119)**	**0.30**	**(0-30)**	**SW846 8270C**
N-Nitrosodiphenylamine	73	(28 - 118)			SW846 8270C
	85	(28 - 118)	15	(0-30)	SW846 8270C
bis(2-Chloroisopropyl) ether	82	(13 - 124)			SW846 8270C
	79	(13 - 124)	3.7	(0-30)	SW846 8270C
Pentachlorophenol	**91**	**(23 - 110)**			**SW846 8270C**
	99	**(23 - 110)**	**7.5**	**(0-30)**	**SW846 8270C**
Phenanthrene	78	(47 - 110)			SW846 8270C
	84	(47 - 110)	7.3	(0-30)	SW846 8270C
Phenol	**76**	**(16 - 110)**			**SW846 8270C**
	76	**(16 - 110)**	**0.98**	**(0-30)**	**SW846 8270C**
Pyrene	**82**	**(54 - 115)**			**SW846 8270C**
	90	**(54 - 115)**	**10**	**(0-30)**	**SW846 8270C**
2,4,5-Trichloro-phenol	88	(36 - 110)			SW846 8270C
	91	(36 - 110)	3.4	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	78	(34 - 110)			SW846 8270C
	83	(34 - 110)	6.2	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	88	(27 - 111)
	81	(27 - 111)
2-Fluorobiphenyl	74	(28 - 110)
	80	(28 - 110)
Terphenyl-d14	92	(37 - 119)
	105	(37 - 119)
Phenol-d5	80	(10 - 110)
	81	(10 - 110)
2-Fluorophenol	88	(10 - 110)
	88	(10 - 110)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	88	(22 - 120)
	96	(22 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09
Prep Date.....: 04/19/09 **Analysis Date..:** 04/20/09
Prep Batch #...: 9108058
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	**ND**	**38**	**27**	**ug/L**	**72**		**SW846 8270C**
	ND	**38**	**29**	**ug/L**	**76**	**5.4**	**SW846 8270C**
Acenaphthylene	ND	38	30	ug/L	78		SW846 8270C
	ND	38	31	ug/L	82	4.8	SW846 8270C
Acetophenone	ND	38	29	ug/L	75		SW846 8270C
	ND	38	28	ug/L	74	1.2	SW846 8270C
Anthracene	ND	38	30	ug/L	78		SW846 8270C
	ND	38	31	ug/L	82	5.1	SW846 8270C
Atrazine	ND	38	44	ug/L	115		SW846 8270C
	ND	38	47	ug/L	123	6.5	SW846 8270C
Benzo(a)anthracene	ND	38	31	ug/L	82		SW846 8270C
	ND	38	34	ug/L	90	9.0	SW846 8270C
Benzo(a)pyrene	ND	38	29	ug/L	77		SW846 8270C
	ND	38	31	ug/L	83	6.5	SW846 8270C
Benzo(b)fluoranthene	ND	38	35	ug/L	92		SW846 8270C
	ND	38	37	ug/L	96	4.3	SW846 8270C
Benzo(ghi)perylene	ND	38	32	ug/L	85		SW846 8270C
	ND	38	35	ug/L	91	7.3	SW846 8270C
Benzo(k)fluoranthene	ND	38	32	ug/L	84		SW846 8270C
	ND	38	34	ug/L	91	7.6	SW846 8270C
Benzaldehyde	ND	38	36	ug/L	94		SW846 8270C
	ND	38	35	ug/L	93	1.6	SW846 8270C
1,1'-Biphenyl	ND	38	27	ug/L	71		SW846 8270C
	ND	38	28	ug/L	74	3.6	SW846 8270C
bis(2-Chloroethoxy) methane	ND	38	30	ug/L	78		SW846 8270C
	ND	38	29	ug/L	77	0.31	SW846 8270C
bis(2-Chloroethyl)-ether	ND	38	32	ug/L	84		SW846 8270C
	ND	38	29	ug/L	76	11	SW846 8270C
bis(2-Ethylhexyl) phthalate	6.0	38	38	ug/L	84		SW846 8270C
	6.0	38	42	ug/L	93	8.7	SW846 8270C
4-Bromophenyl phenyl ether	ND	38	31	ug/L	82		SW846 8270C
	ND	38	33	ug/L	87	6.7	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Butyl benzyl phthalate	ND	38	35	ug/L	92		SW846 8270C
	ND	38	37	ug/L	97	5.2	SW846 8270C
Caprolactam	ND	38	21	ug/L	56		SW846 8270C
	ND	38	28	ug/L	74	27	SW846 8270C
Carbazole	ND	38	31	ug/L	83		SW846 8270C
	ND	38	34	ug/L	88	6.6	SW846 8270C
4-Chloroaniline	ND	38	24	ug/L	62		SW846 8270C
	ND	38	19	ug/L	49	23	SW846 8270C
4-Chloro-3-methylphenol	**ND**	**38**	**32**	**ug/L**	**83**		**SW846 8270C**
	ND	**38**	**33**	**ug/L**	**86**	**2.6**	**SW846 8270C**
2-Chloronaphthalene	ND	38	28	ug/L	74		SW846 8270C
	ND	38	30	ug/L	78	5.2	SW846 8270C
2-Chlorophenol	**ND**	**38**	**30**	**ug/L**	**78**		**SW846 8270C**
	ND	**38**	**29**	**ug/L**	**76**	**2.0**	**SW846 8270C**
4-Chlorophenyl phenyl ether	ND	38	31	ug/L	81		SW846 8270C
	ND	38	32	ug/L	85	5.0	SW846 8270C
Chrysene	ND	38	32	ug/L	83		SW846 8270C
	ND	38	34	ug/L	90	8.5	SW846 8270C
Dibenz(a,h)anthracene	ND	38	33	ug/L	86		SW846 8270C
	ND	38	34	ug/L	91	5.3	SW846 8270C
Dibenzofuran	ND	38	29	ug/L	76		SW846 8270C
	ND	38	31	ug/L	80	5.1	SW846 8270C
3,3'-Dichlorobenzidine	ND	38	9.0	ug/L	24		SW846 8270C
	ND	38	10	ug/L	26	11	SW846 8270C
2,4-Dichlorophenol	ND	38	30	ug/L	78		SW846 8270C
	ND	38	30	ug/L	80	1.7	SW846 8270C
Diethyl phthalate	ND	38	33	ug/L	86		SW846 8270C
	ND	38	35	ug/L	91	5.6	SW846 8270C
2,4-Dimethylphenol	ND	38	24	ug/L	64		SW846 8270C
	ND	38	25	ug/L	66	3.4	SW846 8270C
Dimethyl phthalate	ND	38	32	ug/L	85		SW846 8270C
	ND	38	34	ug/L	89	4.5	SW846 8270C
Di-n-butyl phthalate	ND	38	35	ug/L	91		SW846 8270C
	ND	38	38	ug/L	99	8.6	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	38	32	ug/L	84		SW846 8270C
	ND	38	32	ug/L	85	1.4	SW846 8270C
2,4-Dinitrophenol	ND	38	29	ug/L	77		SW846 8270C
	ND	38	31	ug/L	82	5.4	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4-Dinitrotoluene	**ND**	**38**	**35**	**ug/L**	**92**		**SW846 8270C**
	ND	**38**	**37**	**ug/L**	**97**	**5.6**	**SW846 8270C**
2,6-Dinitrotoluene	ND	38	31	ug/L	82		SW846 8270C
	ND	38	33	ug/L	86	4.1	SW846 8270C
Di-n-octyl phthalate	ND	38	34	ug/L	89		SW846 8270C
	ND	38	36	ug/L	95	6.2	SW846 8270C
Fluoranthene	ND	38	33	ug/L	87		SW846 8270C
	ND	38	36	ug/L	93	7.6	SW846 8270C
Fluorene	ND	38	29	ug/L	76		SW846 8270C
	ND	38	31	ug/L	81	5.4	SW846 8270C
Hexachlorobenzene	ND	38	31	ug/L	82		SW846 8270C
	ND	38	34	ug/L	90	8.8	SW846 8270C
Hexachlorobutadiene	ND	38	25	ug/L	64		SW846 8270C
	ND	38	22	ug/L	59	9.2	SW846 8270C
Hexachlorocyclopenta-diene	ND	38	17	ug/L	44		SW846 8270C
	ND	38	18	ug/L	47	6.2	SW846 8270C
Hexachloroethane	ND	38	25	ug/L	66		SW846 8270C
	ND	38	23	ug/L	59	11	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	38	32	ug/L	85		SW846 8270C
	ND	38	35	ug/L	92	7.7	SW846 8270C
Isophorone	ND	38	32	ug/L	85		SW846 8270C
	ND	38	33	ug/L	86	1.7	SW846 8270C
2-Methylnaphthalene	ND	38	33	ug/L	86		SW846 8270C
	ND	38	34	ug/L	89	3.1	SW846 8270C
2-Methylphenol	ND	38	29	ug/L	77		SW846 8270C
	ND	38	29	ug/L	75	2.4	SW846 8270C
4-Methylphenol	ND	76	59	ug/L	78		SW846 8270C
	ND	76	59	ug/L	78	0.10	SW846 8270C
Naphthalene	ND	38	29	ug/L	75		SW846 8270C
	ND	38	27	ug/L	72	4.7	SW846 8270C
2-Nitroaniline	ND	38	33	ug/L	86		SW846 8270C
	ND	38	35	ug/L	91	6.3	SW846 8270C
3-Nitroaniline	ND	38	29	ug/L	77		SW846 8270C
	ND	38	29	ug/L	77	0.10	SW846 8270C
4-Nitroaniline	ND	38	30	ug/L	78		SW846 8270C
	ND	38	31	ug/L	81	3.1	SW846 8270C
Nitrobenzene	ND	38	32	ug/L	85		SW846 8270C
	ND	38	31	ug/L	81	4.3	SW846 8270C
2-Nitrophenol	ND	38	30	ug/L	80		SW846 8270C
	ND	38	30	ug/L	78	1.9	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4-Nitrophenol	**ND**	**38**	**33**	**ug/L**	**87**		**SW846 8270C**
	ND	**38**	**33**	**ug/L**	**88**	**0.30**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**ND**	**38**	**31**	**ug/L**	**82**		**SW846 8270C**
	ND	**38**	**31**	**ug/L**	**83**	**0.30**	**SW846 8270C**
N-Nitrosodiphenylamine	ND	38	28	ug/L	73		SW846 8270C
	ND	38	32	ug/L	85	15	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	38	31	ug/L	82		SW846 8270C
	ND	38	30	ug/L	79	3.7	SW846 8270C
Pentachlorophenol	**ND**	**38**	**35**	**ug/L**	**91**		**SW846 8270C**
	ND	**38**	**38**	**ug/L**	**99**	**7.5**	**SW846 8270C**
Phenanthrene	ND	38	30	ug/L	78		SW846 8270C
	ND	38	32	ug/L	84	7.3	SW846 8270C
Phenol	**ND**	**38**	**29**	**ug/L**	**76**		**SW846 8270C**
	ND	**38**	**29**	**ug/L**	**76**	**0.98**	**SW846 8270C**
Pyrene	**ND**	**38**	**31**	**ug/L**	**82**		**SW846 8270C**
	ND	**38**	**34**	**ug/L**	**90**	**10**	**SW846 8270C**
2,4,5-Trichloro-phenol	ND	38	33	ug/L	88		SW846 8270C
	ND	38	35	ug/L	91	3.4	SW846 8270C
2,4,6-Trichloro-phenol	ND	38	30	ug/L	78		SW846 8270C
	ND	38	32	ug/L	83	6.2	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	88	(27 - 111)
	81	(27 - 111)
2-Fluorobiphenyl	74	(28 - 110)
	80	(28 - 110)
Terphenyl-d14	92	(37 - 119)
	105	(37 - 119)
Phenol-d5	80	(10 - 110)
	81	(10 - 110)
2-Fluorophenol	88	(10 - 110)
	88	(10 - 110)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A9D170133 **Work Order #...:** K981G1DT-MS **Matrix.....:** WG
MS Lot-Sample #: A9D170133-005 K981G1DU-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	88	(22 - 120)
	96	(22 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A9D170133-005 **Prep Batch #...:** 9110041							
Aluminum	104	(63 - 128)			SW846 6020	04/20-04/27/09	K981G1A5
	107	(63 - 128)	3.0	(0-20)	SW846 6020	04/20-04/27/09	K981G1A6
		Dilution Factor: 1					
Antimony	105	(44 - 153)			SW846 6020	04/20-04/27/09	K981G1AC
	108	(44 - 153)	2.6	(0-20)	SW846 6020	04/20-04/27/09	K981G1AD
		Dilution Factor: 1					
Arsenic	101	(82 - 123)			SW846 6020	04/20-04/27/09	K981G1A8
	103	(82 - 123)	1.6	(0-20)	SW846 6020	04/20-04/27/09	K981G1A9
		Dilution Factor: 1					
Barium	103	(45 - 144)			SW846 6020	04/20-04/27/09	K981G1CC
	106	(45 - 144)	1.9	(0-20)	SW846 6020	04/20-04/27/09	K981G1CD
		Dilution Factor: 1					
Beryllium	104	(77 - 124)			SW846 6020	04/20-04/27/09	K981G1CF
	104	(77 - 124)	0.19	(0-20)	SW846 6020	04/20-04/27/09	K981G1CG
		Dilution Factor: 1					
Cadmium	103	(78 - 117)			SW846 6020	04/20-04/27/09	K981G1CM
	105	(78 - 117)	1.7	(0-20)	SW846 6020	04/20-04/27/09	K981G1CN
		Dilution Factor: 1					
Calcium	NC,MSB	(70 - 130)			SW846 6020	04/20-04/27/09	K981G1CJ
	NC,MSB	(70 - 130)		(0-20)	SW846 6020	04/20-04/27/09	K981G1CK
		Dilution Factor: 1					
Chromium	101	(72 - 110)			SW846 6020	04/20-04/27/09	K981G1CU
	104	(72 - 110)	2.5	(0-20)	SW846 6020	04/20-04/27/09	K981G1CV
		Dilution Factor: 1					
Cobalt	97	(67 - 114)			SW846 6020	04/20-04/27/09	K981G1CQ
	98	(67 - 114)	1.1	(0-20)	SW846 6020	04/20-04/27/09	K981G1CR
		Dilution Factor: 1					
Copper	98	(60 - 123)			SW846 6020	04/20-04/27/09	K981G1CX
	100	(60 - 123)	2.9	(0-20)	SW846 6020	04/20-04/27/09	K981G1C0
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	108	(22 - 169)			SW846 6020	04/20-04/27/09	K981G1C5
	111	(22 - 169)	2.9	(0-20)	SW846 6020	04/20-04/27/09	K981G1C6
		Dilution Factor: 1					
Lead	103	(73 - 115)			SW846 6020	04/20-04/27/09	K981G1DQ
	105	(73 - 115)	1.0	(0-20)	SW846 6020	04/20-04/27/09	K981G1DR
		Dilution Factor: 1					
Magnesium	NC,MSB	(70 - 130)			SW846 6020	04/20-04/27/09	K981G1DC
	NC,MSB	(70 - 130)		(0-20)	SW846 6020	04/20-04/27/09	K981G1DD
		Dilution Factor: 1					
Manganese	82	(10 - 172)			SW846 6020	04/20-04/28/09	K981G1DF
	81	(10 - 172)	0.38	(0-20)	SW846 6020	04/20-04/28/09	K981G1DG
		Dilution Factor: 1					
Nickel	99	(72 - 111)			SW846 6020	04/20-04/27/09	K981G1DM
	101	(72 - 111)	2.1	(0-20)	SW846 6020	04/20-04/27/09	K981G1DN
		Dilution Factor: 1					
Potassium	123	(70 - 130)			SW846 6020	04/20-04/27/09	K981G1C8
	123	(70 - 130)	0.06	(0-20)	SW846 6020	04/20-04/27/09	K981G1C9
		Dilution Factor: 1					
Selenium	102	(72 - 148)			SW846 6020	04/20-04/27/09	K981G1AF
	106	(72 - 148)	3.3	(0-20)	SW846 6020	04/20-04/27/09	K981G1AG
		Dilution Factor: 1					
Silver	99	(10 - 139)			SW846 6020	04/20-04/27/09	K981G1C2
	100	(10 - 139)	1.8	(0-20)	SW846 6020	04/20-04/27/09	K981G1C3
		Dilution Factor: 1					
Sodium	NC,MSB	(80 - 120)			SW846 6020	04/20-04/27/09	K981G1DJ
	NC,MSB	(80 - 120)		(0-20)	SW846 6020	04/20-04/27/09	K981G1DK
		Dilution Factor: 1					
Thallium	102	(69 - 117)			SW846 6020	04/20-04/27/09	K981G1AJ
	103	(69 - 117)	1.2	(0-20)	SW846 6020	04/20-04/27/09	K981G1AK
		Dilution Factor: 1					
Vanadium	103	(70 - 112)			SW846 6020	04/20-04/27/09	K981G1AM
	105	(70 - 112)	1.8	(0-20)	SW846 6020	04/20-04/27/09	K981G1AN
		Dilution Factor: 1					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(49 - 156)			SW846 6020	04/20-04/27/09	K981G1AQ
	109	(49 - 156)	2.2	(0-20)	SW846 6020	04/20-04/27/09	K981G1AR
		Dilution Factor: 1					
Mercury	111	(69 - 134)			SW846 7470A	04/20/09	K981G1A2
	116	(69 - 134)	4.6	(0-20)	SW846 7470A	04/20/09	K981G1A3
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A9D170133-005 **Prep Batch #...:** 9110041									
Aluminum									
	304	10000	10700	ug/L	104		SW846 6020	04/20-04/27/09	K981G1A5
	304	10000	11000	ug/L	107	3.0	SW846 6020	04/20-04/27/09	K981G1A6
			Dilution Factor: 1						
Antimony									
	0.28	100	105	ug/L	105		SW846 6020	04/20-04/27/09	K981G1AC
	0.28	100	108	ug/L	108	2.6	SW846 6020	04/20-04/27/09	K981G1AD
			Dilution Factor: 1						
Arsenic									
	1.8	100	103	ug/L	101		SW846 6020	04/20-04/27/09	K981G1A8
	1.8	100	105	ug/L	103	1.6	SW846 6020	04/20-04/27/09	K981G1A9
			Dilution Factor: 1						
Barium									
	90.8	100	193	ug/L	103		SW846 6020	04/20-04/27/09	K981G1CC
	90.8	100	197	ug/L	106	1.9	SW846 6020	04/20-04/27/09	K981G1CD
			Dilution Factor: 1						
Beryllium									
	ND	100	104	ug/L	104		SW846 6020	04/20-04/27/09	K981G1CF
	ND	100	104	ug/L	104	0.19	SW846 6020	04/20-04/27/09	K981G1CG
			Dilution Factor: 1						
Cadmium									
	ND	100	103	ug/L	103		SW846 6020	04/20-04/27/09	K981G1CM
	ND	100	105	ug/L	105	1.7	SW846 6020	04/20-04/27/09	K981G1CN
			Dilution Factor: 1						
Calcium									
	109000	10000	130000	ug/L			SW846 6020	04/20-04/27/09	K981G1CJ
			Qualifiers: NC,MSB						
	109000	10000	131000	ug/L			SW846 6020	04/20-04/27/09	K981G1CK
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
Chromium									
	ND	100	101	ug/L	101		SW846 6020	04/20-04/27/09	K981G1CU
	ND	100	104	ug/L	104	2.5	SW846 6020	04/20-04/27/09	K981G1CV
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt									
	0.46	100	97.6	ug/L	97		SW846 6020	04/20-04/27/09	K981G1CQ
	0.46	100	98.7	ug/L	98	1.1	SW846 6020	04/20-04/27/09	K981G1CR
			Dilution Factor: 1						
Copper									
	0.94	100	98.4	ug/L	98		SW846 6020	04/20-04/27/09	K981G1CX
	0.94	100	101	ug/L	100	2.9	SW846 6020	04/20-04/27/09	K981G1C0
			Dilution Factor: 1						
Iron									
	541	10000	11300	ug/L	108		SW846 6020	04/20-04/27/09	K981G1C5
	541	10000	11700	ug/L	111	2.9	SW846 6020	04/20-04/27/09	K981G1C6
			Dilution Factor: 1						
Lead									
	0.37	100	104	ug/L	103		SW846 6020	04/20-04/27/09	K981G1DQ
	0.37	100	105	ug/L	105	1.0	SW846 6020	04/20-04/27/09	K981G1DR
			Dilution Factor: 1						
Magnesium									
	108000	10000	119000	ug/L			SW846 6020	04/20-04/27/09	K981G1DC
			Qualifiers: NC,MSB						
	108000	10000	123000	ug/L			SW846 6020	04/20-04/27/09	K981G1DD
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
Manganese									
	49.7	100	131	ug/L	82		SW846 6020	04/20-04/28/09	K981G1DF
	49.7	100	131	ug/L	81	0.38	SW846 6020	04/20-04/28/09	K981G1DG
			Dilution Factor: 1						
Nickel									
	1.2	100	99.8	ug/L	99		SW846 6020	04/20-04/27/09	K981G1DM
	1.2	100	102	ug/L	101	2.1	SW846 6020	04/20-04/27/09	K981G1DN
			Dilution Factor: 1						
Potassium									
	3780	10000	16100	ug/L	123		SW846 6020	04/20-04/27/09	K981G1C8
	3780	10000	16100	ug/L	123	0.06	SW846 6020	04/20-04/27/09	K981G1C9
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WG
Date Sampled...: 04/15/09 15:00 **Date Received..:** 04/17/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	ND	100	102	ug/L	102		SW846 6020	04/20-04/27/09	K981G1AF
	ND	100	106	ug/L	106	3.3	SW846 6020	04/20-04/27/09	K981G1AG
			Dilution Factor: 1						
Silver									
	ND	100	98.6	ug/L	99		SW846 6020	04/20-04/27/09	K981G1C2
	ND	100	100	ug/L	100	1.8	SW846 6020	04/20-04/27/09	K981G1C3
			Dilution Factor: 1						
Sodium									
	100000	10000	111000	ug/L			SW846 6020	04/20-04/27/09	K981G1DJ
			Qualifiers: NC,MSB						
	100000	10000	114000	ug/L			SW846 6020	04/20-04/27/09	K981G1DK
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
Thallium									
	ND	100	102	ug/L	102		SW846 6020	04/20-04/27/09	K981G1AJ
	ND	100	103	ug/L	103	1.2	SW846 6020	04/20-04/27/09	K981G1AK
			Dilution Factor: 1						
Vanadium									
	0.56	100	104	ug/L	103		SW846 6020	04/20-04/27/09	K981G1AM
	0.56	100	106	ug/L	105	1.8	SW846 6020	04/20-04/27/09	K981G1AN
			Dilution Factor: 1						
Zinc									
	ND	100	107	ug/L	107		SW846 6020	04/20-04/27/09	K981G1AQ
	ND	100	109	ug/L	109	2.2	SW846 6020	04/20-04/27/09	K981G1AR
			Dilution Factor: 1						
Mercury									
	ND	1.0	1.1	ug/L	111		SW846 7470A	04/20/09	K981G1A2
	ND	1.0	1.2	ug/L	116	4.6	SW846 7470A	04/20/09	K981G1A3
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER
Date Sampled...: 04/15/09 13:35 **Date Received..:** 04/17/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A9D170195-001 **Prep Batch #...:** 9110041							
Antimony	93	(44 - 153)			SW846 6020	04/20-04/27/09	K99H31DQ
	89	(44 - 153)	3.9	(0-20)	SW846 6020	04/20-04/27/09	K99H31DR
		Dilution Factor: 1					
Arsenic	93	(82 - 123)			SW846 6020	04/20-04/27/09	K99H31DJ
	90	(82 - 123)	3.3	(0-20)	SW846 6020	04/20-04/27/09	K99H31DK
		Dilution Factor: 1					
Cobalt	88	(67 - 114)			SW846 6020	04/20-04/27/09	K99H31A6
	86	(67 - 114)	2.0	(0-20)	SW846 6020	04/20-04/27/09	K99H31A7
		Dilution Factor: 1					
Iron	99	(22 - 169)			SW846 6020	04/20-04/27/09	K99H31DU
	95	(22 - 169)	3.1	(0-20)	SW846 6020	04/20-04/27/09	K99H31DV
		Dilution Factor: 1					
Lead	92	(73 - 115)			SW846 6020	04/20-04/27/09	K99H31DM
	88	(73 - 115)	4.4	(0-20)	SW846 6020	04/20-04/27/09	K99H31DN
		Dilution Factor: 1					
Thallium	90	(69 - 117)			SW846 6020	04/20-04/27/09	K99H31A8
	86	(69 - 117)	4.6	(0-20)	SW846 6020	04/20-04/27/09	K99H31A9
		Dilution Factor: 1					
Mercury	111	(69 - 134)			SW846 7470A	04/20/09	K99H31CU
	113	(69 - 134)	1.5	(0-20)	SW846 7470A	04/20/09	K99H31CV
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A9D170133 **Matrix.....:** WATER
Date Sampled...: 04/15/09 13:35 **Date Received..:** 04/17/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A9D170195-001 **Prep Batch #...:** 9110041									
Antimony									
	ND	100	93.0	ug/L	93		SW846 6020	04/20-04/27/09	K99H31DQ
	ND	100	89.4	ug/L	89	3.9	SW846 6020	04/20-04/27/09	K99H31DR
			Dilution Factor: 1						
Arsenic									
	0.45	100	93.2	ug/L	93		SW846 6020	04/20-04/27/09	K99H31DJ
	0.45	100	90.2	ug/L	90	3.3	SW846 6020	04/20-04/27/09	K99H31DK
			Dilution Factor: 1						
Cobalt									
	1.3	100	89.4	ug/L	88		SW846 6020	04/20-04/27/09	K99H31A6
	1.3	100	87.6	ug/L	86	2.0	SW846 6020	04/20-04/27/09	K99H31A7
			Dilution Factor: 1						
Iron									
	3330	10000	13200	ug/L	99		SW846 6020	04/20-04/27/09	K99H31DU
	3330	10000	12800	ug/L	95	3.1	SW846 6020	04/20-04/27/09	K99H31DV
			Dilution Factor: 1						
Lead									
	1.1	100	93.0	ug/L	92		SW846 6020	04/20-04/27/09	K99H31DM
	1.1	100	89.0	ug/L	88	4.4	SW846 6020	04/20-04/27/09	K99H31DN
			Dilution Factor: 1						
Thallium									
	0.18	100	90.5	ug/L	90		SW846 6020	04/20-04/27/09	K99H31A8
	0.18	100	86.4	ug/L	86	4.6	SW846 6020	04/20-04/27/09	K99H31A9
			Dilution Factor: 1						
Mercury									
		1.0	1.1	ug/L	111		SW846 7470A	04/20/09	K99H31CU
		1.0	1.1	ug/L	113	1.5	SW846 7470A	04/20/09	K99H31CV
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº D 6081

SSOW Ref. Code:

Required Client Information:

Company: CRA, Inc.	Report To: Paul McMahon
Address: 14496 Sheldon Rd.	Copy To:
Suite 200	Invoice To:
Plymouth, MI 48170	P.O.:
Phone: 734-453-5123	Project Name: Cascades - Depew
Fax: 734-453-5201	Project Number: 630660
Email:	

Laboratory:	Test America
Laboratory Location:	Ann Arbor, MI
Laboratory Contact:	
Requested Due Date:	TAT:
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs	SVOCs	Metals	Remarks/Lab ID
1.	WG-630660-041509-JJW-001	WG	4/15/09	1230	6							X	X	X	
2.	WG-630660-041509-JJW-002	WG		1245	6							X	X	X	
3.	WG-630660-041509-JJW-003	WG		1415	6							X	X	X	
4.	WG-630660-041509-JJW-004	WG		1445	6							X	X	X	
5.	WG-630660-041509-JJW-005 (MS/MSD)	WG		1500	18							X	X	X	
6.	WG-630660-041509-JJW-006	WG		1700	6							X	X	X	
7.	WG-630660-041509-JJW-007	WG		1800	6							X	X	X	
8.	Trip Blank	—	—	—	1							X			
9.															
10.															
11.															
12.															
13.															
14.															
15.															
	TOTAL NUMBER OF CONTAINERS				55										

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Federal Express	4	- CRA	4/15/09	1800		4/16/09	1200
AIRBILL NO.			4/16/09	1700	- ANC	4/17/09	0905

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Jon Williams

Sampler Signature: Date: 4/15/09

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sender

TZ/01/130

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: 480170133

Client CRA Project _____ By: _____ (Signature)

Cooler Received on 4/17/09 Opened on 4/17/09

FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____

TestAmerica Cooler # _____ Multiple Coolers ☒ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 5 Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☒ No ☐ NA ☐
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps ☒
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot#* 100108-HNO_3; *Sulfuric Acid Lot#* 100108-H_2SO_4; *Sodium Hydroxide Lot#* 073007 -*NaOH; Hydrochloric Acid Lot#* 092006-*HCl; Sodium Hydroxide and Zinc Acetate Lot#* 050205-$(CH_3COO)_2ZN$/*NaOH.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
001	<2	4/17/09	
002	<2		
003	<2		
004	<2		
005	<2 <2 <2		
006	<2		
007	<2		

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant
241-959	1.9	IR	Ice
241-988	1.0	↓	↓
241-990	1.7		

Discrepancies Cont'd:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

END OF REPORT

APPENDIX D

DATA VALIDATION REPORT

CONESTOGA-ROVERS
& ASSOCIATES

E-Mail Date: May 7, 2009
E-Mail To: Valerie Chan; Robert Adams
c.c.: Paul McMahon
E-Mail and Hard Copy if Requested

ANALYTICAL RESULTS AND QA/QC REVIEW
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

PREPARED BY:
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: 716-297-6150 Fax: 716-297-2265
Contact: Paul McMahon [bjw]
Date: May 7, 2009
www.CRAworld.com

TABLE OF CONTENTS

LIST OF TABLES
(Following Text)

1.0 INTRODUCTION

Groundwater samples were collected at the Cascades, Inc. site in Depew, New York. The samples were collected in April 2009 and delivered to TestAmerica, Inc. in North Canton, Ohio for analysis. Samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), and Target Analyte List (TAL) metals. A sampling and analysis summary is presented in Table 1. The analytical results are summarized in Table 2 and the analytical methods used are summarized in Table 3.

The final sample results and supporting quality assurance/quality control (QA/QC) results were reported by the laboratory in accordance with the requested deliverables. The QA/QC criteria by which these data were assessed are outlined in the analytical methods used and the following guidance documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", October 1999; and
ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", February 1994.

2.0 QA/QC REVIEW

2.1 HOLDING TIMES

The sample holding time criteria are specified in Table 3. All holding time criteria were met. All samples were properly preserved and received chilled.

2.2 SURROGATE SPIKE RECOVERIES –VOCS/SVOCS

All samples and blanks analyzed for VOCs and SVOCs were spiked with surrogate compounds prior to sample extraction and/or analysis. All surrogate spike recoveries were acceptable per the "Guidelines", indicating good analytical efficiency.

2.3 LABORATORY METHOD BLANK ANALYSES

Method blanks were extracted and/or analyzed with the investigative samples for all parameters. Metals, VOCs, and SVOCs were detected in the method blanks. Associated

detected sample results with comparable concentrations were qualified as non-detect (See Table 4).

2.4 BLANK SPIKE (BS) ANALYSES

BS and/or laboratory control samples (LCSs) were analyzed for all parameters. Some analyses were performed in duplicate. Most recoveries and all relative percent differences (RPDs) were acceptable, indicating good analytical accuracy. Some high VOC recoveries were reported, but the associated sample results were non-detect and were not impacted by the indicated high bias. Some low VOC BS recoveries were reported, and the associated sample results were qualified as estimated (see Table 5).

2.5 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

One sample was selected for MS/MSD analyses as specified in Table 1. Per the "Guidelines", qualification of data is not required if the sample results exceed four times the spike concentration added.

Most recoveries and all RPDs were acceptable, demonstrating good analytical accuracy and precision. Two slightly low VOC MS recoveries were reported. Based on the acceptable MSD recoveries and RPDs, the results were accepted without qualification. One high VOC MS recovery was reported, but the associated sample result was non-detect and was not impacted by the indicated high bias.

Two slightly low VOC MS/MSD recoveries were reported, and the associated sample results were qualified as estimated (see Table 6).

2.6 FIELD DUPLICATE ANALYSIS

One field duplicate sample was submitted "blind" to the laboratory for analyses as summarized in Table 1. All field duplicate results showed acceptable reproducibility outside of estimated regions of detection, indicating good laboratory and sampling protocol precision.

2.7 TRIP BLANK ANALYSIS

One trip blank was collected for the program and analyzed for VOCs. The trip blank results were non-detect for the compounds of interest.

3.0 CONCLUSION

Based on this QA/QC review, the data presented in Table 2 are acceptable with the noted qualifications.

TABLES

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

				Parameter			
Sample ID	*Location I.D.*	*Collection Date*	*Collection Time*	*TCL VOCs*	*TAL Metals*	*TCL SVOCs*	*Comment*
WG-630660-041509-JJW-001	MW-102	04/15/09	12:30	X	X	X	
WG-630660-041509-JJW-002	MW-102	04/15/09	12:45	X	X	X	Duplicate of WG-630660-041509-JJW-001
WG-630660-041509-JJW-003	MW-104	04/15/09	14:15	X	X	X	
WG-630660-041509-JJW-004	MW-106F	04/15/09	14:45	X	X	X	
WG-630660-041509-JJW-005	MW-103	04/15/09	15:00	X	X	X	MS/MSD
WG-630660-041509-JJW-006	MW-101	04/15/09	17:00	X	X	X	
WG-630660-041409-JJW-007	MW-105	04/15/09	18:00	X	X	X	
Trip Blank	-	04/15/09	-	X			Trip Blank

Notes:

- = Not applicable.
TCL - Target Compound List.
TAL - Target Analyte List.
MS - Matrix Spike.
MSD - Matrix Spike Duplicate.
SVOCs - Semi-Volatile Organic Compounds.
VOCs - Volatile Organic Compounds.

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*
	Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			*Duplicate*	
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	0.75 J	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	10 U	10 UJ	10 U	10 UJ
Acetone	µg/L	1.1 J	10 U	10 U	10 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*
	Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			*Duplicate*	
Volatile Organic Compounds (Cont'd.)					
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 UJ	1.0 U	1.0 U
Methyl Tert Butyl Ether	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
Semi-volatile Organic Compounds					
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*
	Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			*Duplicate*	
Semi-volatile Organic Compounds (Cont'd.)					
3,3'-Dichlorobenzidine	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroaniline	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Acetophenone	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Anthracene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Atrazine	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Benzaldehyde	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Benzo(a)anthracene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(k)fluoranthene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Biphenyl	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethoxy)methane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl)ether	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	µg/L	2.0 U	2.0 U	5.7 U	6.0 U
Butyl benzylphthalate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Caprolactam	µg/L	130	5.0 U	5.0 U	5.0 U
Carbazole	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Dibenz(a,h)anthracene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*
	Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			*Duplicate*	
Semi-volatile Organic Compounds (Cont'd.)					
Dimethyl phthalate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butylphthalate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodi-n-propylamine	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Metals					
Aluminum	µg/L	849	479	747	304
Antimony	µg/L	34.9	0.21 J	0.26 J	0.28 J
Arsenic	µg/L	3.1 J	0.94 J	1.1 J	1.8 J
Barium	µg/L	156 J	69.5 J	70.7 J	90.8 J
Beryllium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Calcium	µg/L	67200	85200	84200	109000
Chromium	µg/L	2.0 J	1.2 J	1.9 J	10.0 U
Cobalt	µg/L	1.3 J	0.76 J	0.85 J	0.46 J
Copper	µg/L	44.8	4.5 J	6.1 J	25.0 U
Iron	µg/L	935	583	902	541

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-101*	*MW-102*	*MW-102*	*MW-103*
	Sample Name:	*WG-630660-041509-JJW-006*	*WG-630660-041509-JJW-001*	*WG-630660-041509-JJW-002*	*WG-630660-041509-JJW-005*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			*Duplicate*	
Metals (Cont'd.)					
Lead	µg/L	10.9	2.4	3.6	0.37 J
Magnesium	µg/L	84300	107000	106000	108000
Manganese	µg/L	173	110	110	49.7
Mercury	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	3.5 J	1.1 J	1.7 J	1.2 J
Potassium	µg/L	12500	3100 J	3110 J	3780 J
Selenium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Sodium	µg/L	57100	61700	61000	100000
Thallium	µg/L	0.26 J	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	2.4 J	0.79 J	1.3 J	0.56 J
Zinc	µg/L	45.0 U	20.0 U	20.0 U	20.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-104*	*MW-105*	*MW-106F*
	Sample Name:	*WG-630660-041509-JJW-003*	*WG-630660-041509-JJW-007*	*WG-630660-041509-JJW-004*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	10 U	1.2 J	0.67 J
2-Hexanone	µg/L	10 U	10 U	10 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	10 U	10 U	10 U
Acetone	µg/L	10 U	3.8 J	71
Benzene	µg/L	1.0 U	0.79 J	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.46 J
Bromoform	µg/L	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.1
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 UJ	1.0 UJ	1.0 UJ
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 UJ	1.0 UJ	1.0 UJ

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	MW-104	MW-105	MW-106F
	Sample Name:	WG-630660-041509-JJW-003	WG-630660-041509-JJW-007	WG-630660-041509-JJW-004
	Sample Date:	4/15/2009	4/15/2009	4/15/2009
Parameters	*Units*			
Volatile Organic Compounds (Cont'd.)				
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Isopropylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Methyl acetate	µg/L	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	µg/L	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.3	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U
Xylene (total)	µg/L	2.0 U	0.73 J	2.0 U
Semi-volatile Organic Compounds				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	2.0 U	2.0 U	2.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-104*	*MW-105*	*MW-106F*
	Sample Name:	*WG-630660-041509-JJW-003*	*WG-630660-041509-JJW-007*	*WG-630660-041509-JJW-004*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			
Semi-volatile Organic Compounds (Cont'd.)				
3,3'-Dichlorobenzidine	µg/L	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	1.0 U	1.0 U	1.0 U
4-Nitroaniline	µg/L	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	0.20 U	0.20 U	0.20 U
Acetophenone	µg/L	1.0 U	1.0 U	1.5
Anthracene	µg/L	0.20 U	0.20 U	0.20 U
Atrazine	µg/L	1.0 U	1.0 U	1.0 U
Benzaldehyde	µg/L	1.0 U	1.0 U	1.0 U
Benzo(a)anthracene	µg/L	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	0.20 U	0.20 U	0.20 U
Benzo(k)fluoranthene	µg/L	0.20 U	0.20 U	0.20 U
Biphenyl	µg/L	1.0 U	1.0 U	1.0 U
bis(2-Chloroethoxy)methane	µg/L	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl)ether	µg/L	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	µg/L	2.0 U	2.0 U	2.0 U
Butyl benzylphthalate	µg/L	1.0 U	1.0 U	1.0 U
Caprolactam	µg/L	18	5.0 U	5.0 U
Carbazole	µg/L	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	0.20 U	0.20 U	0.20 U
Dibenz(a,h)anthracene	µg/L	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-104*	*MW-105*	*MW-106F*
	Sample Name:	*WG-630660-041509-JJW-003*	*WG-630660-041509-JJW-007*	*WG-630660-041509-JJW-004*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			
Semi-volatile Organic Compounds (Cont'd.)				
Dimethyl phthalate	µg/L	1.0 U	1.0 U	1.0 U
Di-n-butylphthalate	µg/L	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	0.20 U	0.20 U	0.25
Fluorene	µg/L	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U
Hexachloroethane	µg/L	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	1.0 U	1.5	1.0 U
Naphthalene	µg/L	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	1.0 U	1.0 U	1.0 U
N-Nitrosodi-n-propylamine	µg/L	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	0.20 U	0.20 U	0.23
Phenol	µg/L	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	0.20 U	0.20 U	0.20 U
Metals				
Aluminum	µg/L	119 J	13100	3200
Antimony	µg/L	0.22 J	0.45 J	5.7
Arsenic	µg/L	8.2	4.0 J	1.9 J
Barium	µg/L	42.6 J	172 J	114 J
Beryllium	µg/L	5.0 U	0.58 J	5.0 U
Cadmium	µg/L	1.0 U	1.0 U	1.0 U
Calcium	µg/L	58100	252000	84900
Chromium	µg/L	10.0 U	23.6	11.0
Cobalt	µg/L	0.20 J	6.0 J	0.60 J
Copper	µg/L	25.0 U	21.8 J	25.1
Iron	µg/L	251	19000	2380

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

	Location ID:	*MW-104*	*MW-105*	*MW-106F*
	Sample Name:	*WG-630660-041509-JJW-003*	*WG-630660-041509-JJW-007*	*WG-630660-041509-JJW-004*
	Sample Date:	*4/15/2009*	*4/15/2009*	*4/15/2009*
Parameters	*Units*			
Metals (Cont'd.)				
Lead	µg/L	0.66 J	14.9	18.2
Magnesium	µg/L	101000	107000	46000
Manganese	µg/L	18.8	478	58.9
Mercury	µg/L	0.20 U	0.17 J	0.20 U
Nickel	µg/L	0.49 J	20.0 J	2.5 J
Potassium	µg/L	2440 J	13600	7110
Selenium	µg/L	5.0 U	5.0 U	1.9 J
Silver	µg/L	1.0 U	1.0 U	1.0 U
Sodium	µg/L	61200	30200	84900
Thallium	µg/L	1.0 U	0.18 J	1.0 U
Vanadium	µg/L	50.0 U	23.6 J	3.4 J
Zinc	µg/L	20.0 U	63.8 U	36.0 U

Notes:

J - Estimated.
U - Not detected.
UJ - Not detected, estimated reporting limit.

TABLE 3

ANALYTICAL METHOD SUMMARY
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

Analyses	*Methodology* [1]	*Holding Time to Extraction (Days)*	*Holding Time to Analyses (Days)*
TCL VOCs	SW-846 8260B	-	14
TCL SVOCs	SW-846 8270C	7	40
TAL Metals (except Mercury)	SW-846 6020	-	180
Mercury	SW-846 7470A	-	28

Notes:

[1] - Referenced from "Test Methods for Evaluating Solid Waste", USEPA OSW, 3rd Edition, 1986 and subsequent revisions.
SVOCs - Semi-Volatile Organic Compounds.
VOCs - Volatile Organic Compounds.
TCL - Target Compound List.
TAL - Target Analyte List.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Sample Result (ug/L)*	*Qualified Result (ug/L)*
VOCs	04/21/09	Cyclohexane	0.46 J	WG-630660-041509-JJW-006	0.48 J	1.0 U
				WG-630660-041509-JJW-007	0.79 J	1.0 U
VOCs	04/21/09	Methylcyclohexane	0.51 J	WG-630660-041509-JJW-006	0.51 J	1.0 U
				WG-630660-041509-JJW-007	0.81 J	1.0 U
SVOCs	04/20/09	bis(2-Ethylhexyl)phthalate	1.3 J	WG-630660-041509-JJW-001	2.0	2.0 U
				WG-630660-041509-JJW-002	5.7	5.7 U
				WG-630660-041509-JJW-003	0.99 J	2.0 U
				WG-630660-041509-JJW-004	1.9 J	2.0 U
				WG-630660-041509-JJW-005	6.0	6.0 U
				WG-630660-041509-JJW-007	0.83 J	2.0 U
Metals	04/27/09	Copper	0.64 J	WG-630660-041509-JJW-003	1.6 J	25.0 U
				WG-630660-041509-JJW-005	0.94 J	25.0 U
Metals	04/27/09	Zinc	33.2	WG-630660-041509-JJW-001	10.5 J	20.0 U
				WG-630660-041509-JJW-002	13.0 J	20.0 U
				WG-630660-041509-JJW-003	3.3 J	20.0 U
				WG-630660-041509-JJW-004	36.0	36.0 U
				WG-630660-041509-JJW-006	45.0	45.0 U
				WG-630660-041509-JJW-007	63.8	63.8 U

Notes:

J - Estimated.
U - Not detected.
SVOCs - Semi-Volatile Organic Compounds.
VOCs - Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING BLANK SPIKE/BLANK SPIKE DUPLICATE RECOVERIES
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

Parameter	Analyte	BS Recovery (percent)	BSD Recovery (percent)	RPD (percent)	Control Limits Recovery (percent)	Control Limits RPD (percent)	Associated Sample ID	Sample Result (ug/L)	Qualifier
VOCs	Dichlorodifluoromethane	61	-	-	70-130	-	WG-630660-041509-JJW-002	1.0 U	UJ
							WG-630660-041509-JJW-003	1.0 U	UJ
							WG-630660-041509-JJW-004	1.0 U	UJ
							WG-630660-041509-JJW-005	1.0 U	UJ
							WG-630660-041509-JJW-006	1.0 U	UJ
							WG-630660-041509-JJW-007	1.0 U	UJ
VOCs	Dichlorodifluoromethane	66	72	8.3	70-130	0-30	WG-630660-041509-JJW-001	1.0 U	UJ
VOCs	Methylcyclohexane	63	70	10	70-130	0-30	WG-630660-041509-JJW-001	1.0 U	UJ
VOCs	4-Methyl -2-Pentanone	77	85	9	78-141	0-32	WG-630660-041509-JJW-001	10 U	UJ
VOCs	cis-1,3-Dichloropropene	83	-	-	84-130	-	WG-630660-041509-JJW-002	1.0 U	UJ
							WG-630660-041509-JJW-003	1.0 U	UJ
							WG-630660-041509-JJW-004	1.0 U	UJ
							WG-630660-041509-JJW-005	1.0 U	UJ
							WG-630660-041509-JJW-006	1.0 U	UJ
							WG-630660-041509-JJW-007	1.0 U	UJ

Notes:

BS - Blank Spike.
BSD - Blank Spike Duplicate.
RPD - Relative Percent Difference.
U - Not detected.
UJ - Not detected, estimated reporting limit.
VOCs - Volatile Organic Compounds.

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
APRIL 2009

Parameter	*Sample ID*	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD (percent)*	*Control Limits*		*Sample Result (µg/L)*	*Qualifier*
						Recovery (percent)	*RPD (percent)*		
VOCs	WG-630660-041509-JJW-005	4-Methyl -2-Pentanone	76	78	2.0	82-135	0-30	10 U	UJ
		cis-1,3-Dichloropropene	78	80	2.4	82-130	0-30	1.0 U	UJ

Notes:

MS - Matrix Spike.
MSD - Matrix Spike Duplicate.
RPD - Relative Percent Difference.
U - Not detected.
UJ - Not detected, estimated reporting limit.
VOCs - Volatile Organic Compounds.