



**RESULTS OF SOIL AND GROUNDWATER
CHARACTERIZATION INVESTIGATION
TMW-130 AREA
Revision 1**

**FORMER GENERAL MOTORS FAIRFAX I PLANT
KANSAS CITY, KANSAS**

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) was retained by Motors Liquidation Company (MLC) to conduct a soil and groundwater characterization investigation in September and October 2009 at the TMW-130 area of the former General Motors (GM) Fairfax I Plant (Site) located in Kansas City, Kansas.

Light non-aqueous phase liquid (LNAPL) discovered at the TMW-130 area has been characterized as a degraded diesel/fuel oil distillate material based on the results of laboratory analysis and hydrocarbon typing evaluations. The LNAPL is found in an area about 170 feet by 300 feet. This is an approximate area based upon previous studies at this area using ultraviolet optical screening tool (UVOST) fluorescence and measurable thickness of LNAPL in wells (CRA, May 22, 2008). It is found above and below the water table, at depths of 22 to 32 feet below ground surface (bgs). Previous studies in this area have been focused on the characterization of the LNAPL in the TMW-130 Area. This investigation was designed to develop an understanding of the nature and extent of petroleum hydrocarbons in soil and dissolved in groundwater in this area of this Site, the TMW-130 LNAPL Area.

A work plan outlining the scope of work of these characterization activities was submitted to the Kansas Department of Health and Environment (KDHE) on October 14, 2008. The plan was approved by KDHE in a letter to GM dated October 27, 2008.

2.0 BACKGROUND

GM formerly operated a manufacturing plant, referred to as the Fairfax I Assembly Plant, on Kindelberger Road in Kansas City, Kansas (Site). The Site is located in the floodplain of the Missouri River. The Fairfax I Plant Site is vacant as operations ceased in 1986/87 and the facility was demolished in 1987. The Site location is shown on Figure 2.1. A Site Plan presenting monitoring well locations and historical Site features is provided as Figure 2.2.

Previous investigations have identified the presence of LNAPL in and around the area of temporary monitoring well TMW-130. Temporary monitoring wells have been installed, and soil borings have been advanced in this area of the Site. In February 2008, a Laser-Induced Fluorescence (LIF) investigation was conducted to aid in the delineation of the LNAPL plume. The LIF investigation was conducted by CRA on behalf of GM using UVOST. At each of 24 locations in the TMW-130 area, the UVOST probe was pushed to a depth of 35-40 feet bgs, which was as much as 15 feet below the water table at that time and typically 5-10 feet below the deepest petroleum impacts identified in the saturated zone. The results of these investigations into the nature and extent of the LNAPL were presented in a May 22, 2008 letter report to the KDHE.

Figure 2.3 presents the temporary monitoring well locations in the TMW-130 Area. Figure 2.4 presents the locations of the previously installed soil borings.

3.0 SUMMARY OF INVESTIGATIVE ACTIVITIES PERFORMED IN 2009

Activities completed at the TMW-130 LNAPL Area in September/October 2009 included soil and groundwater sampling, as well as other assessments. These activities are summarized below:

- A private underground utilities locator was retained to detect the presence of underground utilities in the TMW-130 area
- Advanced nine soil sampling borings (SB-B3-A, SB-B5-A, SB-D4-A, SB-E4-A, SB-E2-A, SB-F4-A, SB-F5-A, SB-G2-A, and SB-G4-A) within the impacted area to the water table using direct push technology and observed and logged soil conditions (physical characteristics, photoionization detector (PID) readings, and visual oil/petroleum impacts)
- At each soil sampling boring location, collected one shallow soil sample from 1 to 3 feet bgs for laboratory analysis
- At each soil sampling boring location, collected one deep sample from the depth interval above the water table that exhibited the highest UVOST result¹ for laboratory analysis
- Advanced five delineation borings (SB-300, SB-301, SB-302, SB-303, and SB-304) outside the impacted area to the water table using direct push technology and observed and logged soil conditions (physical characteristics, detector PID readings, and visual oil/petroleum impacts)
- At each delineation boring location (SB-300, SB-301, SB-302, SB-303, and SB-304), collected one soil sample for laboratory analysis from immediately above the water table
- At one delineation boring, collected a second soil sample for laboratory analysis from the depth interval that exhibited a slight odor
- Submitted soil samples from the soil sampling borings and the delineation borings to the project laboratory for analysis of target compound list volatile organic compounds (TCL VOCs), total petroleum hydrocarbon as gasoline range organics (TPH-GRO), and total petroleum hydrocarbon as diesel range organics (TPH-DRO)
- Gauged the nine temporary monitoring wells in the TMW-130 Area to determine the relative depth to water and the presence of LNAPL, if any
- Conducted an LNAPL bail out test at four temporary monitoring wells (TMW-139, TMW-140, TMW-141, TMW-142), to qualitatively evaluate the thickness and/or volume of mobile free phase product in soil and groundwater

¹ UVOST measurements were based upon data presented in CRA's May 22, 2008 "Results of LNAPL Investigations - TMW-130 Area" letter report to KDHE.

- Sampled four (TMW-143, TMW-144, TMW-145, and TMW-146) of the nine temporary monitoring wells (not containing LNAPL) in the TMW-130 Area using low flow purging techniques
- Submitted groundwater samples for laboratory analysis of TCL VOCs, TPH-GRO, and TPH-DRO
- Contained soil boring cuttings and monitoring well purge water/decontamination water in 55-gallon drums
- Collected one groundwater sample from the purge water/decontamination water drum and submitted the sample to the project laboratory for waste characterization analysis

This work was completed during the week of September 28, 2009, in accordance with the Work Plan issued to KDHE on October 13, 2008.

4.0 FIELD ACTIVITIES

This section details the investigative sampling protocols used during soil and groundwater sampling activities conducted the week of September 28, 2009.

Soil cuttings and monitoring well purge water/decontamination water were containerized in 55-gallons drums.

4.1 SOIL BORINGS

Kantex Industries, Inc. of Olathe, Kansas provided underground utility locating services. Larsen & Associates, Inc. of Lawrence, Kansas provided direct push (i.e., Geoprobe) drilling services.

Soils collected from the borings were visually inspected, logged, and screened with a PID for evidence of petroleum impacts. Soil samples selected for laboratory analysis were submitted to the project laboratory, TestAmerica Laboratories, Inc. (TestAmerica) of North Canton, Ohio, for analysis of TCL VOCs, TPH-GRO, and TPH-DRO. Completed soil borings were backfilled with cement bentonite grout. Soil boring locations were surveyed upon completion.

4.1.1 SOIL SAMPLING BORINGS

Soil sampling borings were advanced at nine sample locations (B3, B5, D4, E2, E4, F4, F5, G2, and G4) from the UVOST grid within the LNAPL-impacted area. These are boring numbers SB-B3-A, SB-B5-A, SB-D4-A, SB-E4-A, SB-E2-A, SB-F4-A, SB-F5-A, SB-G2-A, and SB-G4-A. UVOST locations are indicated on Figure 2.4. One shallow soil sample from 1 to 3 feet bgs was collected from each boring location for laboratory analysis. One deep sample from the depth interval above the water table that exhibited the highest UVOST result was collected from each boring location for laboratory analysis. The deep sample intervals proposed in Table 1 of the *Soil and Groundwater Characterization Work Plan – TMW-130 Area* (CRA 2008) were modified in the field based on observed conditions (e.g., the current depth of the water table) and/or PID field screening results.

4.1.2 DELINEATION BORINGS

Delineation borings, SB-300 through SB-304, were advanced at five locations outside the limits of the LNAPL-impacted area. Refer to Figure 5.1. Elevated PID readings and

visual/olfactory evidence of impact were not detected except at SB-301. Consequently, at these locations a soil sample was collected for laboratory analysis from the depth interval immediately above the water table. An additional soil sample was collected for laboratory analysis at SB-301 from the 9 to 11 feet bgs interval, where a slight odor was detected.

4.2 GROUNDWATER SAMPLING

Prior to sampling, the nine temporary monitoring wells in the TMW-130 Area were gauged to determine the depth to water and the presence of LNAPL. Wells where LNAPL was present were not purged and sampled (specifically, TMW-130, TMW-139, TMW-140, TMW-141, and TMW-142).

Four temporary monitoring wells (TMW-143, TMW-144, TMW-145, and TMW-146) were sampled using low flow purging and sampling techniques, as detailed in the report titled *LNAPL Investigation Work Plan – TMW-130 Area*, Section 5.7.2 Monitoring Well Purging and Sampling (CRA 2007).

Groundwater samples from four temporary monitoring wells were submitted to TestAmerica for analysis of TCL VOCs, TPH-GRO, and TPH-DRO.

4.3 LNAPL MONITORING

Bail out tests were performed on October 1, 2009, at wells TWM-139, TMW-140, TMW-141, and TMW-142 using dedicated disposable polyethylene bailers. Depth to LNAPL and depth to water were measured at each temporary monitoring well using an oil/water interface meter. After the initial depth measurements were taken, LNAPL was bailed from these four wells to qualitatively evaluate the thickness and/or volume of mobile free phase product in the soil and groundwater. The approximate total volume of LNAPL purged was recorded. Depth to LNAPL and water was again measured on October 2, 2009.

4.4 EQUIPMENT CLEANING

A temporary equipment decontamination pad was constructed at the Site. See the approved Work Plan (CRA 2001) for drilling and sampling equipment cleaning protocols. Decontamination water was containerized in a 55-gallon drum.

4.5 GENERAL SAMPLING PROTOCOLS

The following sections describe the labeling, tracking, and handling procedures used for soil and groundwater samples collected at the Site.

4.5.1 SAMPLE LABELING

Each sample was labeled with a unique sample code. Sample labeling protocols are provided in the approved Work Plan (CRA 2001).

4.5.2 CHAIN-OF-CUSTODY FORMS

CRA chain-of-custody records are used to track all samples from time of sampling to the arrival of samples at the laboratory. Chain-of-custody protocols are provided in the approved Work Plan (CRA 2001).

4.5.3 SAMPLE CONTAINERS AND HANDLING

Samples were placed in laboratory-supplied containers, labeled, and placed in a cooler that contained sealed plastic bags of ice.

4.5.4 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the validity of the sampling and analysis program, field quality control (QC) samples were collected with the investigative samples. Additional details are provided in the approved Work Plan (CRA 2001).

For soil samples, matrix spike/matrix spike duplicate (MS/MSD) samples were designated/collected at a frequency of one per twenty investigative samples.

Groundwater field QC samples consisted of the collection of one duplicate groundwater sample and one MS/MSD sample. A trip blank accompanied each shipment of groundwater samples submitted for VOC analysis.

4.6 WASTE CHARACTERIZATION SAMPLING

One groundwater sample was collected for waste characterization for purge water disposal purposes and for potential groundwater treatment and/or disposal. The sample was submitted to the project laboratory for analysis of Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP semivolatile organic compounds (SVOCs), TCLP Resource Conservation and Recovery Act (RCRA) metals, ignitability, reactive cyanide, reactive sulfide, corrosivity, and biochemical oxygen demand. No soil sample was submitted for waste characterization since soil in the TMW-130 Area was previously characterized for waste disposal during the September 2008 field activities.

4.7 SITE SURVEYING

Anderson Survey Company (Anderson) of Lee's Summit, Missouri was retained to survey the location and elevation of the newly installed soil borings. The horizontal locations were referenced to the GM Plant Grid Coordinate System.

5.0 INVESTIGATIVE RESULTS

This section of the report presents the results of the various investigative and analytical activities completed in September and October 2009. The data validation memorandum is provided in Appendix A. TestAmerica analytical data are provided in Appendix B. The following discussions present the results and identify figures and tables with these specific data.

5.1 RESULTS OF SOIL SAMPLING AND ANALYSIS

Figure 5.1 presents the September 2009 soil boring locations along with locations of the borings previously installed at the Site. Figure 5.1 also illustrates the February 2008 average UVOST fluorescence contours.

Analytical results from the September 2009 sampling event were compared to KDHE Tier 2 residential and non-residential scenario soil pathway and soil to groundwater protection pathway values. Soil analytical data are summarized in Table 5.1 and on Figure 5.2. Stratigraphic logs for the newly installed soil borings are provided in Appendix C.

5.1.1 SOIL SAMPLING RESULTS FROM LOCATIONS WITHIN THE LNAPL AREA

One shallow soil sample from 1 to 3 feet bgs and one deep sample from the depth interval above the water table that exhibited the highest UVOST result were collected for laboratory analysis from each of the nine soil sampling borings. Soil sample boring identifiers consist of the prefix SB followed by the UVOST boring identifier followed by A (i.e., SB-B3-A).

No compounds were detected above the KDHE criteria in the shallow samples with the exception of soil boring SB-D4-A. At SB-D4-A, TPH-DRO was detected above the residential criteria but below the non-residential criteria, TPH-GRO was detected at an estimated concentration above only the residential soil to groundwater criterion, and methylene chloride was detected at an estimated concentration above the residential and non-residential soil to groundwater criteria.

In the deeper samples, TPH-DRO was detected above the residential criteria at SB-E4-A and SB-F4-A, and above the residential and non-residential criteria at SB-B3-A. TPH-GRO was detected above the residential and non-residential criteria at SB-B3-A

and above the residential soil to groundwater criterion at SB-E4-A and SB-F4-A. Benzene was detected above the residential and non-residential soil to groundwater criteria at SB-F4-A. Methylene chloride was detected at estimated concentrations above the residential and non-residential soil to groundwater criteria at SB-B3-A, SB-E4-A, and SB-F4-A.

5.1.2 SAMPLE RESULTS FROM BORINGS INSTALLED OUTSIDE THE LNAPL AREA

One soil sample was collected for laboratory analysis from the depth interval immediately above the water table from each of the five delineation borings (i.e., 17-19 or 18-20 feet bgs). These are borings SB-300, SB-301, SB-302, SB-303, and SB-304. An additional soil sample was collected for laboratory analysis at SB-301 from an interval where a slight odor was detected (9-11 feet bgs).

There were no detections of VOCs, TPH-GRO, or TPH-DRO at the delineation borings, with the exception of methylene chloride. Methylene chloride was reported in each sample at an estimated concentration below the reporting limit and well below the KDHE criteria. Analytical data are summarized in Table 5.1 and on Figure 5.2.

5.2 RESULTS OF GROUNDWATER SAMPLING AND ANALYSIS

Table 5.2 presents a summary of monitoring well purging data for the four wells that were sampled. Table 5.3 presents a summary of depth to LNAPL and groundwater elevations in the TMW-130 area over time.

Groundwater analytical results were compared to KDHE Tier 2 residential and non-residential scenario groundwater pathway values (in milligrams per liter, or mg/L). Groundwater analytical data are summarized in Table 5.4.

Trichlorethene was detected slightly above (only 0.0001 mg/L above) the KDHE residential and non-residential criteria of 0.005 mg/L at well TMW-144, at a concentration of 0.0051 mg/L. Tetrachlorethene was detected at TMW-143 and cis-1,2-dichloroethene and trans-1,2-dichloroethene were detected at TW-144 at concentrations below the KDHE residential and non-residential criteria.

TPH-GRO and TPH-DRO were not detected at any of the wells.

5.3 LNAPL MONITORING

Results of the LNAPL bail out test are provided in Table 5.5. Approximately 1/3 to 1 gallon of free phase product could be removed from each of the wells tested. In all cases, the measured thickness of LNAPL in each well at the end of the bail out test was close to the same thickness observed at the start of the test. This indicates that the residual saturation of LNAPL near these wells is significant. These observations are similar to those made in previous studies of the LNAPL in this area (e.g., the May 22, 2008 letter report).

6.0 SUMMARY AND CONCLUSIONS

Laboratory results for the soil samples collected at the nine soil sampling borings support the February 2008 LIF UVOST results. Specifically, the detections and KDHE exceedences of chemical-specific petroleum analytes and of TPH-GRO, TPH-DRO, and methylene chloride were, for the most part, limited to only that area identified as being impacted by LNAPL. Refer to Figure 5.2 for the previously identified limits of LNAPL.

With the exception of one soil boring, SB-D4-A, where TPH-DRO, TPH-GRO, and methylene chloride were detected above the residential criteria, no compounds were detected at concentrations above the KDHE criteria in the shallow soil samples. In the deeper soil samples, compounds were detected at concentrations above the KDHE criteria at three soil boring locations. Soil samples collected outside the limits of the LNAPL impact (Figure 5.2), such as SB-G4-A or SB-E2-A, did not indicate chemical contamination by the LNAPL. The one exception is SB-B3-A and this is discussed further below.

As presented on Figure 5.2, soil samples collected at the northeast boring (SB-B5-A), the east boring (SB-F5-A), the south borings (SB-G2-A and SB-G4-A), and the west boring (SB-E2-A) indicate no exceedences of KDHE criteria. Similarly, the five delineation borings (SB-300, SB-301, SB-302, SB-303, and SB-304) advanced at locations outside the extent of the plume area (Figure 5.2) did not indicate VOCs or TPHs above detection limits.

One boring advanced outside of the previously determined limit of LNAPL impacts (SB-B3-A) did indicate TPH-DRO, TPH-GRO, and methylene chloride exceedences. These exceedences were at a depth of 13 to 15 feet bgs. Although this location is outside the previously identified limits of the LNAPL (CRA, May 22, 2008), this is an area where soils have been impacted by petroleum hydrocarbons. This location (SB-B3-A) is found between soil boring locations SB-204 and SB-205. At each of these locations (SB-204 and SB-205), stained soils and soils with odors were observed from the ground surface to depths of 15 and 20 feet bgs. As such, the detection of TPH-GRO and TPH-DRO at SB-B3-A is not unexpected. The free phase LNAPL limits may extend to this area (to SB-B3-A). This observation is somewhat supported by the UVOST fluorescence results at nearby locations B-4 and C-5.

Temporary monitoring well TMW-130 and the four wells located in the LNAPL-impacted portion of the TMW-130 area (TMW-139 through TMW-142) were not sampled due to presence of LNAPL in these wells. Wells TMW-143 through TMW-146 were sampled for VOCs and TPH-GRO/DRO. TCE was detected at TMW-144 at a concentration slightly above the KDHE criteria. TPH-GRO/DRO was not detected in

any of these wells. The TCE was detected at only 0.0001 mg/L over the 0.005 mg/L KDHE criteria. The TCE in this well is not associated with the LNAPL or the petroleum hydrocarbon source and, as such, should be considered separately. Re-sampling of this specific monitoring well may result in levels below the KDHE criteria.

The groundwater samples collected from the other temporary monitoring wells did indicate the presence of low levels of VOCs, but these specific parameters are chlorinated VOCs and not chemicals that would be associated with a petroleum hydrocarbon or LNAPL. The presence of TCE in TMW-144 and the other low detections of chlorinated VOCs in the other temporary wells is consistent with documentation of historical groundwater contamination in this area of the Fairfax I plant property. The source of these low, residual concentrations of chlorinated VOCs may be the former Fairfax I plant or from current and historical sources found upgradient and to the south. It is important to note that the wells sampled did not show the presence of petroleum hydrocarbons that would have dissolved from the LNAPL in soils or in groundwater.

In summary, the impacts from the historical release of LNAPL in this area have been sufficiently delineated in soils and groundwater, both in respect to free phase and in respect to dissolved phase contamination. As such, MLC will evaluate appropriate remedial actions for the LNAPL and the impacted soils and groundwater. Under separate cover, a Voluntary Cleanup Proposal will be prepared and submitted to KDHE for approval. As discussed previously, the cleanup alternatives reviewed will initially focus on the removal of the LNAPL to the extent practicable.

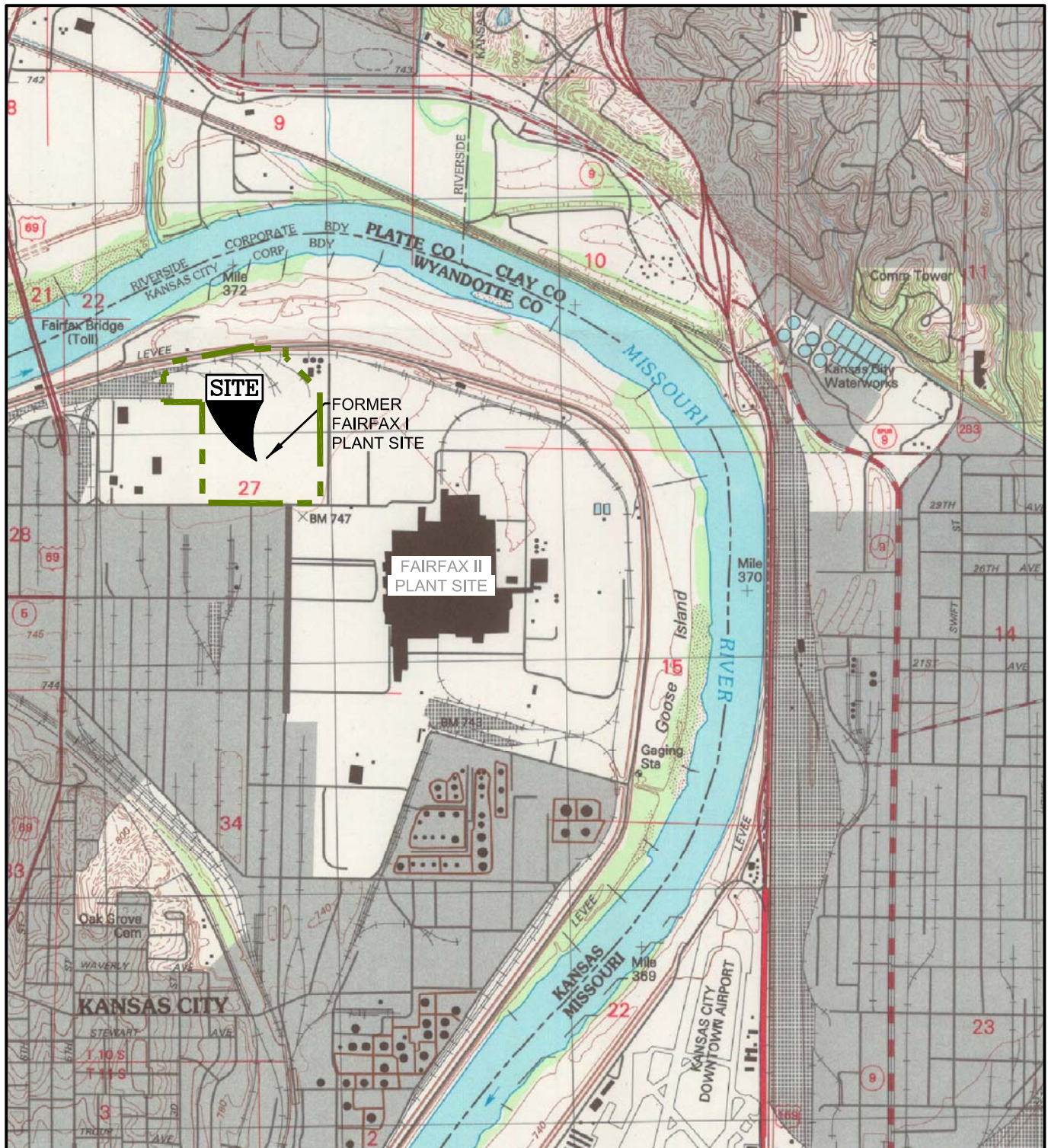
7.0 REFERENCES

CRA 2001. Pre-Design Investigation Work Plan, Former General Motors Fairfax I Plant, Kansas City, Kansas, August 2001.

CRA 2007. LNAPL Investigation Work Plan – TMW-130 Area, Former General Motors Fairfax I Plant, Kansas City, Kansas, June 2007.

CRA 2008. Results of LNAPL Investigations - TMW-130 Area, Former General Motors Fairfax I Plant, Kansas City, Kansas, letter report dated May 22, 2008.

CRA 2008. Soil and Groundwater Characterization Work Plan – TMW-130 Area, Former General Motors Fairfax I Plant, Kansas City, Kansas, October 2008.



LEGEND:

BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE;
NORTH KANSAS CITY, MO-KS 1990



FORMER FAIRFAX I PROPERTY BOUNDARY
(MLC PROPERTY ID 1289-1)

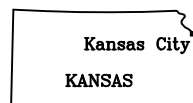
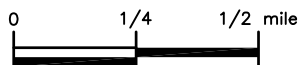
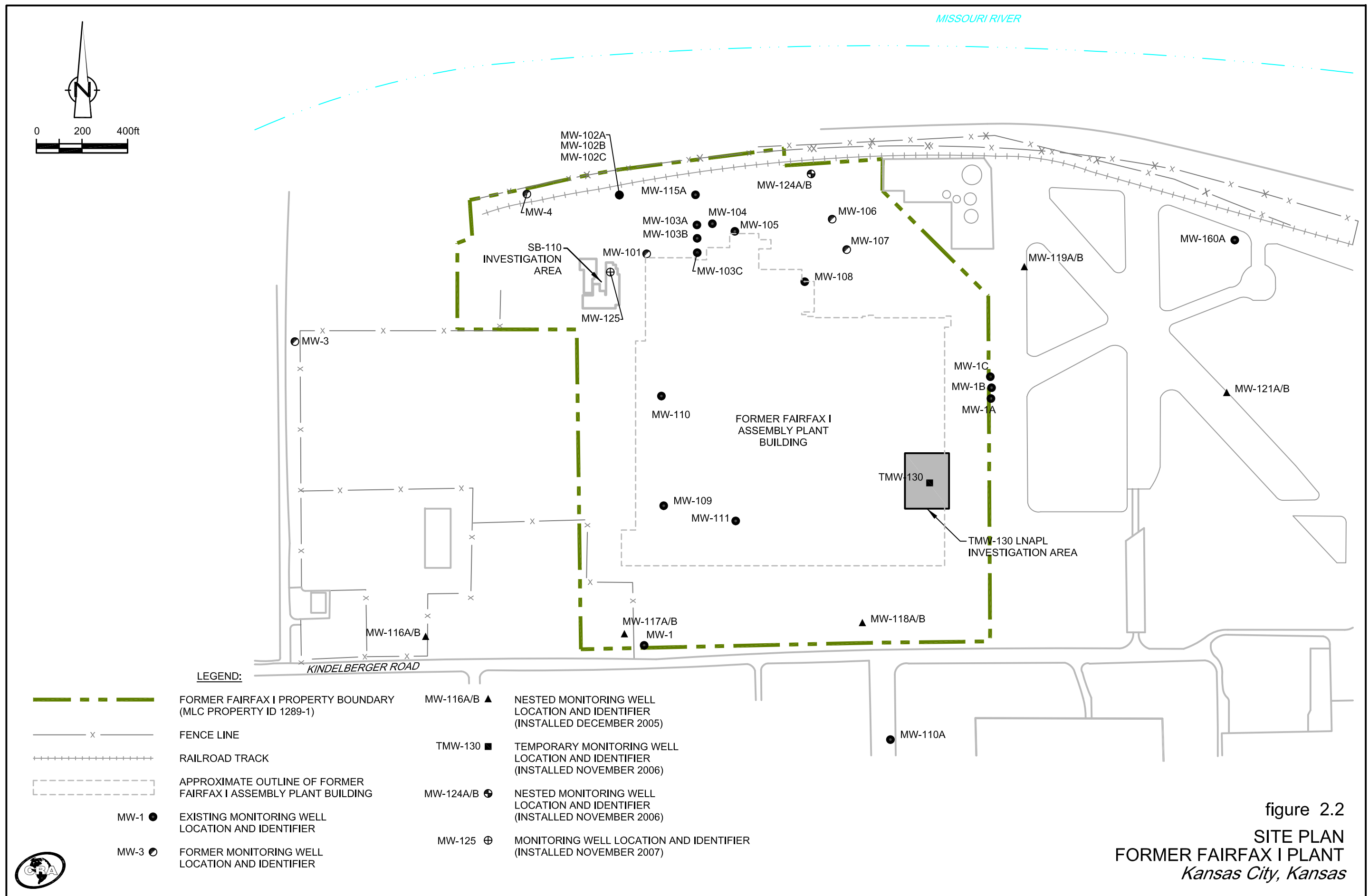
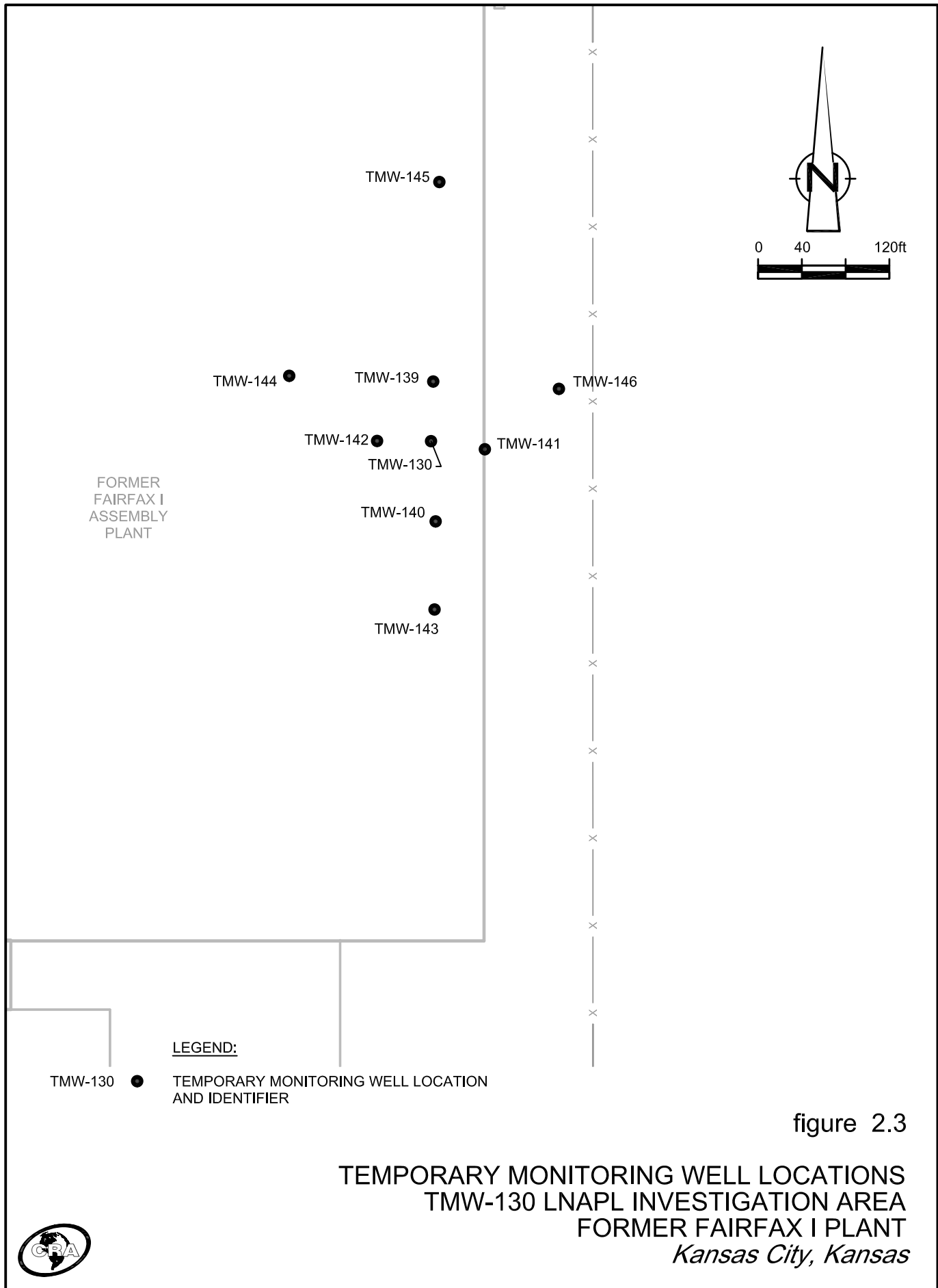


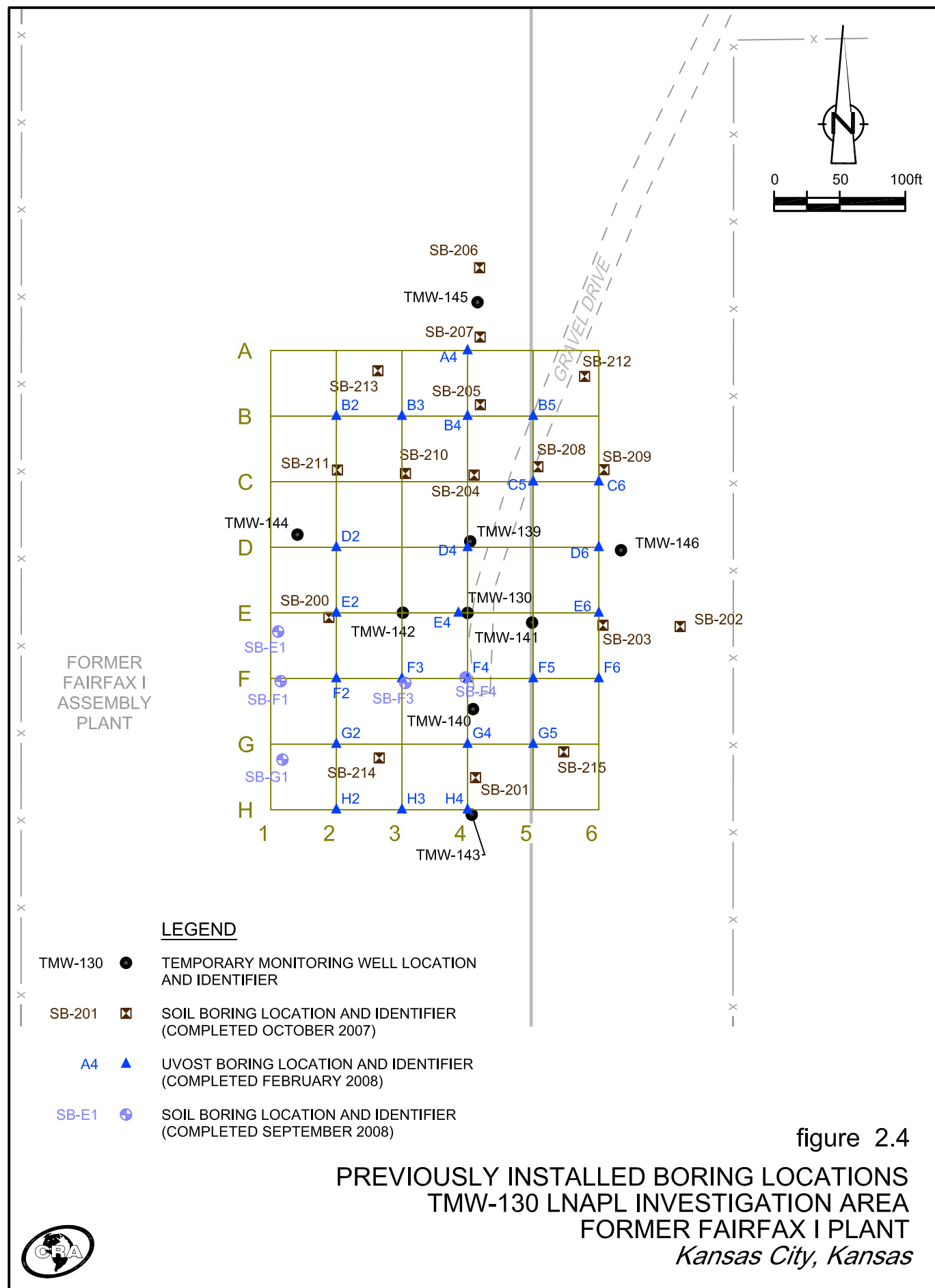
figure 2.1

SITE LOCATION
FORMER FAIRFAX I PLANT
Kansas City, Kansas









FORMER
FAIRFAX I
ASSEMBLY
PLANT

LEGEND

- TMW-130 ● TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- SB-201 ☒ SOIL BORING LOCATION AND IDENTIFIER (COMPLETED OCTOBER 2007)
- A4 ▲ UVOST BORING LOCATION AND IDENTIFIER (COMPLETED FEBRUARY 2008)
- SB-E1 ⊕ SOIL BORING LOCATION AND IDENTIFIER (COMPLETED SEPTEMBER 2008)
- SB-300 ▲ SOIL BORING LOCATION AND IDENTIFIER (COMPLETED SEPTEMBER 2009)

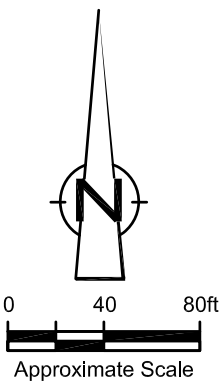
- APPROXIMATE EXTENT OF OBSERVED LNAPL
- AVERAGE FLUORESCENCE CONTOURS (10%)
- AVERAGE FLUORESCENCE CONTOURS (50%)
- AVERAGE FLUORESCENCE CONTOURS (100%)
- AVERAGE FLUORESCENCE CONTOURS (150%)
- AVERAGE FLUORESCENCE CONTOURS (180%)

NOTE: AVERAGE FLUORESCENCE BY USING AN INTERVAL OF ONE OR MORE FEET ABOVE AND BELOW THE MAXIMUM UVOST FLUORESCENCE

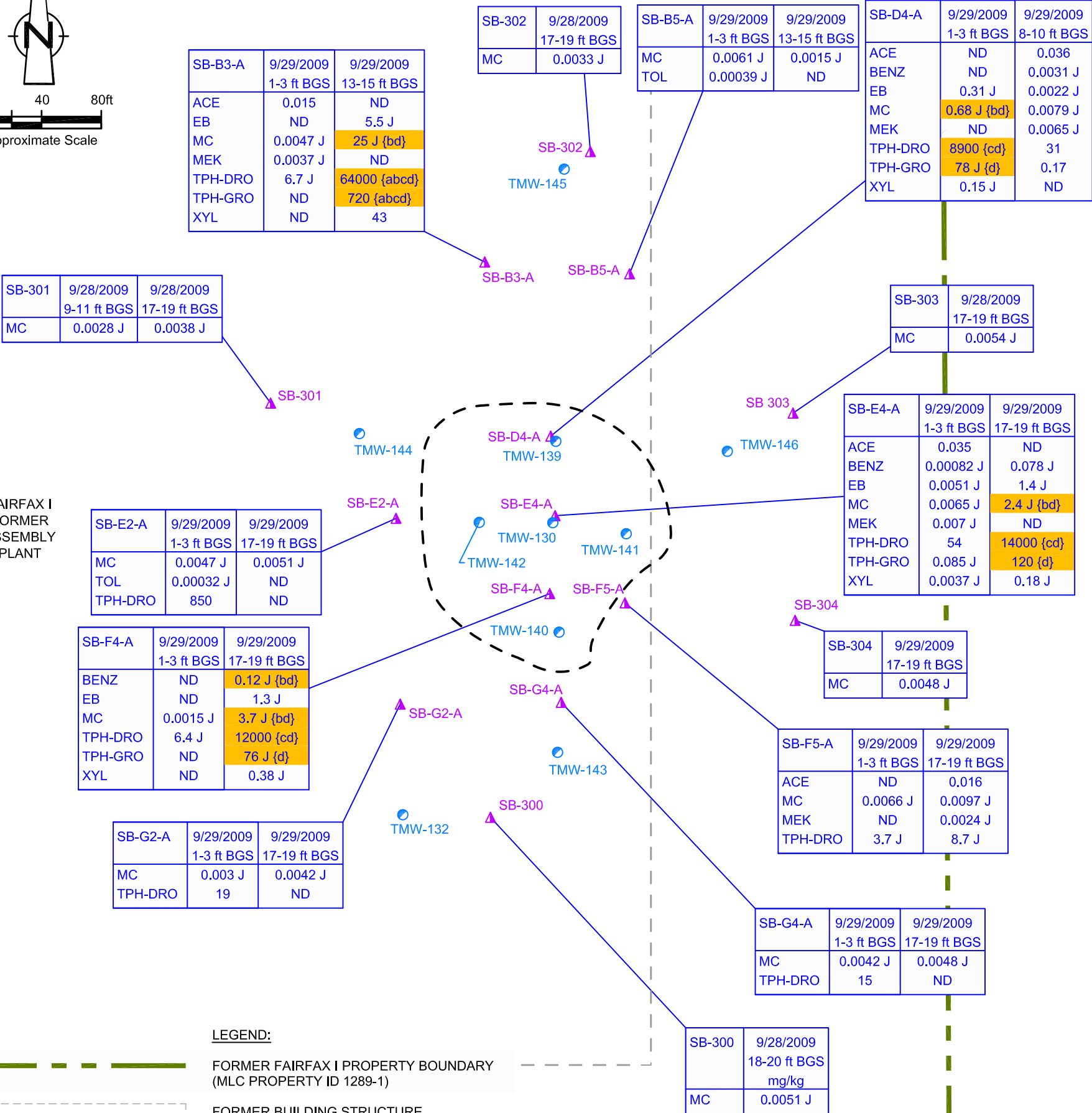
figure 5.1

BORING LOCATIONS
TMW-130 LNAPL INVESTIGATION AREA
FORMER FAIRFAX I PLANT
Kansas City, Kansas





FAIRFAX I
FORMER
ASSEMBLY
PLANT



LEGEND:

- FORMER FAIRFAX I PROPERTY BOUNDARY (MLC PROPERTY ID 1289-1)
- FORMER BUILDING STRUCTURE
- TMW-130 TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- SB-300 SOIL BORING LOCATION AND IDENTIFIER (CRA, SEPTEMBER 2009)
- APPROXIMATE EXTENT OF OBSERVED LNAPL

SB-E2-A	9/29/2009	1-3 ft BGS	mg/kg
TOL	0.00032 J		

- J ESTIMATED VALUE
- ND NOT DETECTED
- {abcd} EXCEEDENCES OF KANSAS RSK CRITERIA (SEE TABLE 5.1)
- MEK 2-Butanone (Methyl Ethyl Ketone)
- ACE Acetone
- BENZ Benzene
- EB Ethylbenzene
- MC Methylene Chloride
- TOL Toluene
- TPH-DRO Total Petroleum Hydrocarbons - Extractable (DRO)
- TPH-GRO Total Petroleum Hydrocarbons - Purgeable (GRO)
- XYL Xylene (total)

figure 5.2
SUMMARY OF DETECTED ANALYTES IN SOIL
TMW-130 LNAPL INVESTIGATION AREA
FORMER FAIRFAX I PLANT
Kansas City, Kansas



TABLE 5.1

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

<i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i> <i>Sample Depth:</i> <i>Sample Type</i>		<i>KDHE Tier 2 Risk-Based Criteria</i>				<i>SB-300</i>	<i>SB-301</i>	<i>SB-301</i>	<i>SB-302</i>	<i>SB-303</i>	<i>SB-304</i>
		<i>Non-Residential</i>		<i>Residential</i>		<i>S-092809-JH-001</i>	<i>S-092809-JH-002</i>	<i>S-092809-JH-003</i>	<i>S-092809-JH-004</i>	<i>S-092809-JH-005</i>	<i>S-092909-JH-006</i>
		<i>Soil Pathway</i>	<i>Soil to GW</i>	<i>Soil Pathway</i>	<i>Soil to GW</i>	<i>9/28/2009</i>	<i>9/28/2009</i>	<i>9/28/2009</i>	<i>9/28/2009</i>	<i>9/28/2009</i>	<i>9/29/2009</i>
						<i>18-20 ft BGS</i>	<i>9-11 ft BGS</i>	<i>17-19 ft BGS</i>	<i>17-19 ft BGS</i>	<i>17-19 ft BGS</i>	<i>17-19 ft BGS</i>
		<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>						
		<i>Units</i>									
<i>Total Petroleum Hydrocarbons</i>											
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	20000	15000	2000	3000	ND(12)	ND(10)	ND(11)	ND(10)	ND(12)	ND(10)
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/kg	450	150	220	39	ND(0.11)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.13)	ND(0.11)
<i>Volatile Organic Compounds</i>											
2-Butanone (Methyl Ethyl Ketone)	mg/kg	21000	12	6400	3.6	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)
Acetone	mg/kg	6200	3.8	1700	1.1	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)
Benzene	mg/kg	17	0.08	9.8	0.08	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)
Ethylbenzene	mg/kg	650	55	650	55	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)
Methylene chloride	mg/kg	230	0.03	150	0.03	0.0051 J	0.0028 J	0.0038 J	0.0033 J	0.0054 J	0.0048 J
Toluene	mg/kg	1000	40	930	40	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)
Xylene (total)	mg/kg	700	700	700	700	ND(0.011)	ND(0.012)	ND(0.01)	ND(0.011)	ND(0.013)	ND(0.011)

TABLE 5.1

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

<i>Sample Location:</i> <i>Sample ID:</i> <i>Sample Date:</i> <i>Sample Depth:</i> <i>Sample Type</i>		<i>KDHE Tier 2 Risk-Based Criteria</i>				<i>SB-B3-A</i>	<i>SB-B3-A</i>	<i>SB-B5-A</i>	<i>SB-B5-A</i>	<i>SB-D4-A</i>	<i>SB-D4-A</i>
		<i>Non-Residential</i>		<i>Residential</i>		<i>S-092909-JH-021</i>	<i>S-092909-JH-022</i>	<i>S-092909-JH-023</i>	<i>S-092909-JH-024</i>	<i>S-092909-JH-017</i>	<i>S-092909-JH-018</i>
		<i>Soil Pathway</i>	<i>Soil to GW</i>	<i>Soil Pathway</i>	<i>Soil to GW</i>	<i>9/29/2009</i>	<i>9/29/2009</i>	<i>9/29/2009</i>	<i>9/29/2009</i>	<i>9/29/2009</i>	<i>9/29/2009</i>
						<i>1-3 ft BGS</i>	<i>13-15 ft BGS</i>	<i>1-3 ft BGS</i>	<i>13-15 ft BGS</i>	<i>1-3 ft BGS</i>	<i>8-10 ft BGS</i>
		<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>						
<i>Units</i>											
<i>Total Petroleum Hydrocarbons</i>											
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	20000	15000	2000	3000	6.7 J	64000 ^{abcd}	ND(12)	ND(12)	8900 ^{cd}	31
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/kg	450	150	220	39	ND(0.12)	720 ^{abcd}	ND(6)	ND(6)	78 J ^d	0.17
<i>Volatile Organic Compounds</i>											
2-Butanone (Methyl Ethyl Ketone)	mg/kg	21000	12	6400	3.6	0.0037 J	ND(32)	ND(0.012)	ND(0.011)	ND(1.1)U	0.0065 J
Acetone	mg/kg	6200	3.8	1700	1.1	0.015	ND(32)	ND(0.012)	ND(0.011)	ND(1.1)	0.036
Benzene	mg/kg	17	0.08	9.8	0.08	ND(0.011)	ND(32)	ND(0.012)	ND(0.011)	ND(1.1)	0.0031 J
Ethylbenzene	mg/kg	650	55	650	55	ND(0.011)	5.5 J	ND(0.012)	ND(0.011)	0.31 J	0.0022 J
Methylene chloride	mg/kg	230	0.03	150	0.03	0.0047 J	25 J ^{bd}	0.0061 J	0.0015 J	0.68 J ^{bd}	0.0079 J
Toluene	mg/kg	1000	40	930	40	ND(0.011)	ND(32)	0.00039 J	ND(0.011)	ND(1.1)U	ND(0.013)
Xylene (total)	mg/kg	700	700	700	700	ND(0.011)	43	ND(0.012)	ND(0.011)	0.15 J	ND(0.013)

TABLE 5.1

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

Sample Location: Sample ID: Sample Date: Sample Depth: Sample Type	KDHE Tier 2 Risk-Based Criteria				SB-E2-A	SB-E2-A	SB-E4-A	SB-E4-A	SB-F4-A	SB-F4-A
	Non-Residential		Residential		S-092909-JH-019	S-092909-JH-020	S-092909-JH-015	S-092909-JH-016	S-092909-JH-011	S-092909-JH-012
	Soil Pathway	Soil to GW	Soil Pathway	Soil to GW	9/29/2009	9/29/2009	9/29/2009	9/29/2009	9/29/2009	9/29/2009
					1-3 ft BGS	17-19 ft BGS	1-3 ft BGS	17-19 ft BGS	1-3 ft BGS	17-19 ft BGS
	Units	a	b	c	d					
Total Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	20000	15000	2000	3000	850	ND(11)	54	14000 ^{cd}	6.4 J
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/kg	450	150	220	39	ND(0.11)	ND(0.13)	0.085 J	120 ^d	ND(0.12)
Volatile Organic Compounds										
2-Butanone (Methyl Ethyl Ketone)	mg/kg	21000	12	6400	3.6	ND(0.011)	ND(0.013)	0.007 J	ND(3.7)	ND(0.011)
Acetone	mg/kg	6200	3.8	1700	1.1	ND(0.011)	ND(0.013)	0.035	ND(3.7)	ND(0.011)
Benzene	mg/kg	17	0.08	9.8	0.08	ND(0.011)	ND(0.013)	0.00082 J	0.078 J	ND(0.011)
Ethylbenzene	mg/kg	650	55	650	55	ND(0.011)	ND(0.013)	0.0051 J	1.4 J	ND(0.011)
Methylene chloride	mg/kg	230	0.03	150	0.03	0.0047 J	0.0051 J	0.0065 J	2.4 J ^{bd}	0.0015 J
Toluene	mg/kg	1000	40	930	40	0.00032 J	ND(0.013)	ND(0.013)	ND(3.7)U	ND(0.011)
Xylene (total)	mg/kg	700	700	700	700	ND(0.011)	ND(0.013)	0.0037 J	0.18 J	ND(0.011)

TABLE 5.1

SUMMARY OF SOIL DETECTED ANALYTICAL DATA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

Sample Location: Sample ID: Sample Date: Sample Depth: Sample Type		KDHE Tier 2 Risk-Based Criteria				SB-F5-A	SB-F5-A	SB-G2-A	SB-G2-A	SB-G4-A	SB-G4-A
		Non-Residential		Residential		S-092909-JH-013	S-092909-JH-014	S-092909-JH-009	S-092909-JH-010	S-092909-JH-007	S-092909-JH-008
		Soil Pathway	Soil to GW	Soil Pathway	Soil to GW	9/29/2009	9/29/2009	9/29/2009	9/29/2009	9/29/2009	9/29/2009
						1-3 ft BGS	17-19 ft BGS	1-3 ft BGS	17-19 ft BGS	1-3 ft BGS	17-19 ft BGS
		Units	a	b	c	d					
Total Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	20000	15000	2000	3000	3.7 J	8.7 J	19	ND(10)	15	ND(12)
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/kg	450	150	220	39	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.11)	ND(0.095)	ND(0.12)
Volatile Organic Compounds											
2-Butanone (Methyl Ethyl Ketone)	mg/kg	21000	12	6400	3.6	ND(0.011)	0.0024 J	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Acetone	mg/kg	6200	3.8	1700	1.1	ND(0.011)	0.016	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Benzene	mg/kg	17	0.08	9.8	0.08	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Ethylbenzene	mg/kg	650	55	650	55	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Methylene chloride	mg/kg	230	0.03	150	0.03	0.0066 J	0.0097 J	0.003 J	0.0042 J	0.0042 J	0.0048 J
Toluene	mg/kg	1000	40	930	40	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)
Xylene (total)	mg/kg	700	700	700	700	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.011)	ND(0.0097)	ND(0.012)

Notes:
ft BGS - feet below ground surface
DRO - diesel range organics
GRO - gasoline range organics
mg/kg - milligrams per kilogram
ND () - not detected above the value stated in parentheses
J - estimated concentration
U - qualified as not detected
Risk-Based Standards for Kansas RSK Manual - 4th version, Appendix A, June 2007
Box denotes exceedence of KDHE criteria
^{abcd} The letter a, b, c, and/or d represents the Risk-Based Standard exceeded, respectively

TABLE 5.2

SUMMARY OF MONITORING WELL PURGING DATA
TMW-130 AREA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

<i>Monitoring</i> <i>Well ID</i>	<i>Date</i>	<i>Time</i> <i>(min.)</i>	<i>Pumping</i> <i>Rate</i> <i>(mL/min)</i> ¹	<i>Static</i> <i>Water Level</i> <i>(ft btoc)</i> ²	<i>Water</i> <i>Level</i> <i>(ft btoc)</i>	<i>pH</i> <i>(Std. Units)</i> ³	<i>Temperature</i> <i>(°C)</i> ⁴	<i>Conductivity</i> <i>(μS/cm)</i> ⁵	<i>ORP</i> ⁶ <i>(mV)</i> ⁷	<i>Dissolved</i> <i>Oxygen</i> <i>(mg/L)</i> ⁸	<i>Turbidity</i> <i>(NTU)</i> ⁹	<i>Other</i>
TMW-143	09/30/09	5	250	22.97	23.02	6.50	14.90	0.815	47.5	1.37	297	Brown, cloudy
		15	250		23.02	6.49	14.85	0.817	46.1	0.87	88.1	Brown, cloudy
		25	250		23.02	6.48	14.73	0.812	62.5	0.76	15.9	Clear
		30	250		23.02	6.48	14.72	0.810	63.0	0.74	3.76	Clear
		35	250		23.02	6.48	14.74	0.810	63.8	0.73	3.01	Clear
TMW-144	09/30/09	5	300	22.79	22.82	6.35	16.12	1.178	55.1	0.81	204	Brown, cloudy
		25	300		22.83	6.47	15.56	1.125	34.5	0.34	18.8	Clear
		30	300		22.83	6.45	15.54	1.128	33.9	0.32	10.1	Clear
		35	300		22.83	6.46	15.53	1.125	33.5	0.30	4.87	Clear
TMW-145	09/30/09	5	350	23.12	23.15	6.58	15.19	0.887	50.1	1.43	46.3	Brown, cloudy
		15	350		23.15	6.57	15.12	0.887	47.8	0.65	14.5	Clear
		20	350		23.15	6.59	15.16	0.889	47.3	0.62	5.52	Clear
		25	350		23.15	6.56	15.16	0.889	46.5	0.61	2.66	Clear
TMW-146	09/30/09	5	300	22.65	22.71	6.49	16.07	1.106	-9.9	1.00	30.0	Slightly cloudy
		10	300		22.71	6.50	16.08	1.116	-20.3	0.65	19.2	Clear
		15	300		22.71	6.52	15.44	1.119	-37.1	0.42	10.2	Clear
		20	300		22.71	6.54	15.42	1.122	-49.9	0.34	6.98	Clear
		25	300		22.72	6.56	15.44	1.124	-51.7	0.31	4.59	Clear
		30	300		22.72	6.58	15.45	1.126	-52.9	0.30	3.27	Clear

¹ mL/min - milliliters per minute² ft btoc - feet below top of casing³ Std Units - standard units⁴ °C - degrees Celsius⁵ μS/cm - microsiemens per centimeter⁶ ORP - oxidation reduction potential⁷ mV - millivolts⁸ mg/L - milligrams per liter⁹ NTU - nephelometric turbidity unit

TABLE 5.3

SUMMARY OF LNAPL GAUGING AND GROUNDWATER ELEVATIONS
TMW-130 AREA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

Well ID	Top of Casing Elevation (ft AMSL) ¹	10/23/2007			11/1/2007			11/7/2007			11/13/2007		
		Depth to Water (ft BTOC) ²	Depth to LNAPL ³ (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to LNAPL (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to LNAPL (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to LNAPL (ft BTOC)	Groundwater Elevation (ft AMSL)
TMW-130	744.86	23.17	23.14	721.69	22.49	trace	722.37	22.78	22.76	722.08	23.21	23.19	721.65
TMW-139	745.63	23.94	--	721.69	23.30	trace	722.33	23.61	--	722.02	24.06	24.05	721.57
TMW-140	745.13	23.65	23.60	721.48	23.72	22.79	721.41	24.09	23.04	721.04	24.45	23.43	720.68
TMW-141	745.39	23.80	--	721.59	23.09	trace	722.30	23.38	sheen	722.01	23.81	23.77	721.58
TMW-142	744.93	23.30	--	721.63	22.60	trace	722.33	23.79	22.86	721.14	24.16	23.26	720.77
TMW-143	745.28	NI ⁴	--	--	23.04	--	722.24	23.31	--	721.97	23.64	--	721.64
TMW-144	745.08	NI	--	--	22.71	--	722.37	23.10	--	721.98	23.50	--	721.58
TMW-145	745.36	NI	--	--	22.95	--	722.41	23.39	--	721.97	23.83	--	721.53
TMW-146	744.93	NI	--	--	22.63	--	722.30	22.94	--	721.99	23.36	--	721.57

Well ID	Top of Casing Elevation (ft AMSL) ¹	11/20/2007			11/29/2007			9/30/2009		
		Depth to Water (ft BTOC)	Depth to LNAPL (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to LNAPL (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to LNAPL (ft BTOC)	Groundwater Elevation (ft AMSL)
TMW-130	744.86	23.78	23.77	721.08	25.54	--	719.32	23.04	22.43	721.82
TMW-139	745.63	24.70	24.64	720.93	25.49	25.40	720.14	24.06	23.28	721.57
TMW-140	745.13	25.32	23.95	719.81	26.52	24.68	718.61	24.44	22.68	720.69
TMW-141	745.39	24.41	24.33	720.98	26.10	25.01	719.29	24.25	22.98	721.14
TMW-142	744.93	24.15	23.88	720.78	24.78	24.71	720.15	24.13	22.50	720.80
TMW-143	745.28	24.25	--	721.03	24.96	--	720.32	22.97	--	722.31
TMW-144	745.08	24.12	--	720.96	25.90	--	719.18	22.79	--	722.29
TMW-145	745.36	24.50	--	720.86	25.33	--	720.03	23.12	--	722.24
TMW-146	744.93	23.94	--	720.99	24.71	--	720.22	22.65	--	722.28

¹ AMSL - above mean sea level

² BTOC - below top of casing

³ LNAPL - light non-aqueous phase liquid

⁴ NI - not installed

TABLE 5.4

SUMMARY OF GROUNDWATER DETECTED ANALYTICAL DATA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS

Sample Location:		KDHE Tier 2 Risk-Based Criteria		TMW-143	TMW-143	TMW-144	TMW-145	TMW-146
Sample ID:		Non-Residential	Residential	GW-093009-JH-028	GW-093009-JH-029	GW-093009-JH-025	GW-093009-JH-026	GW-093009-JH-027
Sample Date:		WG Pathway	WG Pathway	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
Sample Type:					(Duplicate)			
Units		a	b					
Volatile Organic Compounds								
cis-1,2-Dichloroethene	mg/L	0.07	0.07	ND(0.0005)	ND(0.0005)	0.024	ND(0.0005)	ND(0.0005)
Tetrachloroethene	mg/L	0.005	0.005	0.0016	0.0016	ND(0.001)	ND(0.001)	ND(0.001)
trans-1,2-Dichloroethene	mg/L	0.1	0.1	ND(0.0005)	ND(0.0005)	0.0013	ND(0.0005)	ND(0.0005)
Trichloroethene	mg/L	0.005	0.005	ND(0.001)	ND(0.001)	0.0051 ^{ab}	ND(0.001)	ND(0.001)

Notes:
mg/L - milligrams per liter
ND - not detected above the value stated in parentheses
Risk-Based Standards for Kansas RSK Manual - 4th version, Appendix A, June 2007
Box denotes exceedence of KDHE criteria
^{ab} The letter a and/or b represents the Risk-Based Standard exceeded, respectively

TABLE 5.5

**LNAPL RECOVERY DATA
TMW-130 AREA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS**

<i>Monitoring Well ID</i>	<i>Date/Time</i>	<i>Total Amount of Product Removed</i>	<i>Depth to Water (ft btoc) ¹</i>	<i>Depth to LNAPL (ft btoc)</i>	<i>LNAPL Thickness (feet)</i>
TMW-139	10/1/2009	Purged approximately 1/3 gallon of product			
	Initial		24.06	23.28	0.78
	13:10				
	13:14		23.58	23.35	0.23
	13:15		23.60	23.33	0.27
	13:19		23.64	23.32	0.32
	13:24		23.64	23.32	0.32
	13:44		23.70	23.30	0.40
	14:04		23.75	23.31	0.44
	15:04		23.97	23.32	0.65
	16:04		23.98	23.32	0.66
	10/2/2009				
	9:45		23.99	23.32	0.67
TMW-140	10/1/2009	Purged approximately 1 gallon of product			
	Initial		24.44	22.68	1.76
	10:33				
	10:39		23.35	22.81	0.54
	10:40		23.55	22.81	0.74
	10:44		23.90	22.76	1.14
	10:49		23.95	22.71	1.24
	10:59		24.10	22.71	1.39
	11:19		24.16	22.71	1.45
	11:39		24.20	22.71	1.49
	13:09		24.35	22.71	1.64
	10/2/2009				
	9:45		24.42	22.71	1.71
TMW-141	10/1/2009	Purged approximately 1/3 gallon of product			
	Initial		24.25	22.98	1.27
	13:26				
	13:30		23.35	23.09	0.26
	13:31		23.46	23.05	0.41
	13:35		23.55	23.05	0.50
	13:40		23.56	23.04	0.52
	14:00		23.71	23.04	0.67
	14:30		23.74	23.06	0.68
	15:00		23.77	23.07	0.70
	16:30		23.85	23.06	0.79

TABLE 5.5

**LNAPL RECOVERY DATA
TMW-130 AREA
FORMER FAIRFAX I PLANT
KANSAS CITY, KANSAS**

<i>Monitoring Well ID</i>	<i>Date/Time</i>	<i>Total Amount of Product Removed</i>	<i>Depth to Water (ft btoc) ¹</i>	<i>Depth to LNAPL (ft btoc)</i>	<i>LNAPL Thickness (feet)</i>
TMW-141	10/2/2009 9:45		24.05	23.04	1.01
TMW-142	10/1/2009 Initial 11:02 11:07 11:08 11:12 11:17 11:27 11:37 11:47 13:07 13:47 14:07 15:07 16:07 10/2/2009 9:45	Purged approximately 1/2 gallon of product	24.13 22.90 22.97 23.15 23.24 23.28 23.34 23.38 23.44 23.46 23.48 23.52 23.56 23.70	22.50 22.61 22.61 22.58 22.57 22.55 22.55 22.55 22.56 22.55 22.57 22.59 22.60 22.57	1.63 0.29 0.36 0.57 0.67 0.73 0.79 0.83 0.88 0.91 0.91 0.93 0.96 1.13

¹ ft btoc - feet below top of casing

APPENDIX A

DATA VALIDATION MEMORANDUM



**CONESTOGA-ROVERS
& ASSOCIATES**

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Niagara Falls, New York 14304
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MEMORANDUM

TO: Phil Harvey (Chicago)

REF. NO.: 017307-095011

FROM: Sheri Finn/bjw/11 *SF*

DATE: November 12, 2009

REVISION: March 31, 2010

C.C.: Patricia Klick (Chicago)

E-Mail and Hard Copy if Requested

RE: **Data Quality Assessment and Validation
Quarterly Groundwater Sampling Event
GM Fairfax
September 2009**

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the September 2009 collection of soil and groundwater samples from the General Motors (GM) Fairfax Site in Kansas City, Kansas. The sample summary detailing sample identification, sample location, quality control (QC) samples, and analytical parameters is presented in Table 1. Sample analysis was completed at TestAmerica Inc. (TestAmerica), in North Canton, Ohio, in accordance with the methodologies presented in Table 2.

The QC criteria used to assess the data were established by the methods and the guidance document, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999.

These guidelines are collectively referred to as "Guidelines" in this memorandum.

SAMPLE QUANTITATION

Where concentrations of volatile organic compounds (VOCs) and/or Total Petroleum Hydrocarbon-Gasoline Range Organic (TPH-GRO) and/or Total Petroleum Hydrocarbon-Diesel Range Organic (TPH-DRO) were detected below the laboratory's practical quantitation limit (PQL)/report limit (RL) but above the laboratory's method detection limit (MDL), the laboratory flagged these sample concentrations with a "J". These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum.

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled to 4°C(±2°C) after collection.

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency. Method blanks were non-detect for the compounds of interest with the exception of some VOCs, TPH-GRO and TPH-DRO present at low concentrations. Associated sample results with concentrations similar to those found in the method blanks were qualified non-detect (see Table 3). The TPH-GRO sample results could have been qualified non-detect based on the dilution and the five times rule but based on historical data the results were reported as estimated (possibly biased high).

SURROGATE COMPOUNDS – ORGANIC ANALYSES

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries met the method criteria, with the exception of those diluted out due to necessary sample dilutions. No qualification of data was necessary.

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

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and relative percent differences (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory.

All MS/MSD recoveries were acceptable indicating good analytical accuracy and precision with the exception of low vinyl chloride recoveries. The associated vinyl chloride result was qualified as estimated to reflect the implied low bias (see Table 4).

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE (LCS/LCSD)

The LCS analysis serves as a monitor of the overall performance in all steps of the sample analysis and is analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS/LCSD percent recoveries were all within the laboratory control limits indicating acceptable analytical accuracy and precision with the exception of low 1,1,2,2,-Tetrachloroethane recoveries. All associated sample results were qualified as estimated (see Table 5).

TARGET COMPOUND IDENTIFICATION

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to identification criteria established by the methods. The organic compounds reported adhered to the specified identification criteria.

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The field QA/QC consisted of one field duplicate sample and one trip blank sample for the groundwater analyses.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. The RPDs associated with these duplicate samples must be less than 100 percent for soil and 50 percent for water. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water.

All the results showed good precision outside of the estimated regions of detection, indicating acceptable analytical and sampling precision.

To monitor potential cross-contamination of VOC during aqueous sample transportation and storage, a trip blank was submitted to the laboratory for VOC analysis with each shipping cooler containing multiple samples.

The trip blank results were non-detect for the compounds of interest.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL AND GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX
KANSAS CITY, KANSAS
SEPTEMBER 2009

Sample I.D.	Location I.D.	Collection Date (mm/dd/yy)	Collection Time (hr:min)	Start Depth (ft bgs)	End Depth (ft bgs)	<u>Analysis/Parameters</u>			Comments
						VOCs	TPH-DRO	TPH-GRO	
S-092809-JH-001	SB-300	09/28/09	13:50	18	20	X	X	X	
S-092809-JH-002	SB-301	09/28/09	15:15	9	11	X	X	X	
S-092809-JH-003	SB-301	09/28/09	15:30	17	19	X	X	X	
S-092809-JH-004	SB-302	09/28/09	16:20	17	19	X	X	X	
S-092809-JH-005	SB-303	09/28/09	17:00	17	19	X	X	X	
S-092909-JH-006	SB-304	09/29/09	8:40	17	19	X	X	X	
S-092909-JH-007	SB-G4-A	09/29/09	9:15	1	3	X	X	X	
S-092909-JH-008	SB-G4-A	09/29/09	9:30	17	19	X	X	X	
S-092909-JH-009	SB-G2-A	09/29/09	10:00	1	3	X	X	X	
S-092909-JH-010	SB-G2-A	09/29/09	10:15	17	19	X	X	X	
S-092909-JH-011	SB-F4-A	09/29/09	10:50	1	3	X	X	X	
S-092909-JH-012	SB-F4-A	09/29/09	11:00	17	19	X	X	X	
S-092909-JH-013	SB-F5-A	09/29/09	11:25	1	3	X	X	X	
S-092909-JH-014	SB-F5-A	09/29/09	11:40	17	19	X	X	X	
S-092909-JH-015	SB-E4-A	09/29/09	12:00	1	3	X	X	X	
S-092909-JH-016	SB-E4-A	09/29/09	12:15	17	19	X	X	X	
S-092909-JH-017	SB-D4-A	09/29/09	13:10	1	3	X	X	X	
S-092909-JH-018	SB-D4-A	09/29/09	13:20	8	10	X	X	X	
S-092909-JH-019	SB-E2-A	09/29/09	14:00	1	3	X	X	X	
S-092909-JH-020	SB-E2-A	09/29/09	14:15	17	19	X	X	X	
S-092909-JH-021	SB-B3-A	09/29/09	14:30	1	3	X	X	X	
S-092909-JH-022	SB-B3-A	09/29/09	14:45	13	15	X	X	X	
S-092909-JH-023	SB-B5-A	09/29/09	16:00	1	3	X	X	X	
S-092909-JH-024	SB-B5-A	09/29/09	16:10	13	15	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL AND GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX
KANSAS CITY, KANSAS
SEPTEMBER 2009

Sample I.D.	Location I.D.	Collection Date (mm/dd/yy)	Collection Time (hr:min)	Start Depth (ft bgs)	End Depth (ft bgs)	<u>Analysis/Parameters</u>			Comments
						VOCs	TPH-DRO	TPH-GRO	
GW-093009-JH-025	TMW-144	09/30/09	13:20	-	-	X	X	X	
GW-093009-JH-026	TMW-145	09/30/09	14:20	-	-	X	X	X	
GW-093009-JH-027	TMW-146	09/30/09	15:15	-	-	X	X	X	
GW-093009-JH-028	TMW-143	09/30/09	16:15	-	-	X	X	X	
GW-093009-JH-029	TMW-143	09/30/09	16:40	-	-	X	X	X	Field Duplicate of GW-093009-JH-028
Trip Blank	Trip Blank	09/30/09	--	-	-	X			

Notes:

TPH-GRO Total Petroleum Hydrocarbon-Gasoline Range Organic.
 TPH-DRO Total Petroleum Hydrocarbon-Diesel Range Organic.
 VOCs Volatile Organic Compounds.

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL AND GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX
KANSAS CITY, KANSAS
SEPTEMBER 2009

<i>Parameter</i>	<i>Method</i> ¹
TCL VOCs	SW-846 8260B
TPH-GRO	SW-846 8015
TPH-DRO	SW-846 8015

Notes:

¹

"Test Methods for Solid Waste/Physical Chemical Methods",
SW-846, 3rd Edition, September 1986 (with all subsequent
revisions).

TCL Target Compound List.

TPH-GRO Total Petroleum Hydrocarbon-Gasoline Range Organic.

TPH-DRO Total Petroleum Hydrocarbon-Diesel Range Organic.

VOCs Volatile Organic Compounds.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
SOIL AND GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX
KANSAS CITY, KANSAS
SEPTEMBER 2009

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
VOCs	10/02/09	2-Butanone	230	S-092909-JH-017	1100 U	µg/kg
VOCs	10/02/09	Toluene	76.1	S-092909-JH-016	3700 U	µg/kg
			20.1	S-092909-JH-017	1100 U	µg/kg
TPH	10/5/09	TPH-DRO	61	GW-093009-JH-025	100 U	µg/L
	10/6/09			GW-093009-JH-026	100 U	µg/L
	10/15/09			GW-093009-JH-027	100 U	µg/L
	10/6/09			GW-093009-JH-028	100 U	µg/L
	10/6/09			GW-093009-JH-029	100 U	µg/L

Notes:

DRO Diesel Range Organic.
 TPH Total Petroleum Hydrocarbon.
 U Not detected.
 VOCs Volatile Organic Compounds.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
SOIL AND GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX
KANSAS CITY, KANSAS
SEPTEMBER 2009

<i>Parameter</i>	<i>Associated Sample ID</i>	<i>Analyte</i>	<i>MS Recovery (percent)</i>	<i>MSD Recovery (percent)</i>	<i>RPD</i>	<i>Control Limits</i>		<i>Qualified Sample Result</i>	<i>Units</i>
						<i>Recovery (percent)</i>	<i>RPD (percent)</i>		
VOCs	GW-093009-JH-025	Vinyl Chloride	60	72	17	88-126	30	1.0 UJ	µg/L

Notes:

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

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS
 SOIL AND GROUNDWATER SAMPLING EVENT
 GENERAL MOTORS FAIRFAX
 KANSAS CITY, KANSAS
 SEPTEMBER 2009

<i>Parameter</i>	<i>Compound</i>	<i>LCS Date</i>	<i>Associated Sample ID</i>	<i>LCS %Rec</i>	<i>LCSD %Rec</i>	<i>RPD (percent)</i>	<i>Control Limits</i> <i>%Rec %RPD</i>		<i>Qualified Sample Results</i>	<i>Units</i>
VOCs	1,1,2,2-Tetrachloroethane	10/13/09	GW-093009-JH-026	82	83	0.59	85-118	30	1.0 UJ	µg/L

Notes:

LCS Laboratory Control Sample.
 LCSD Laboratory Control Sample Duplicate.
 RPD Relative Percent Difference.
 UJ Not detected, estimated reporting limit.
 VOCs Volatile Organic Compounds.

APPENDIX B

LABORATORY ANALYTICAL REPORT

TABLE B.1

SAMPLE KEY
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

<i>Sample Identification</i>	<i>Sample Location</i>	<i>Sample Depth (ft bgs)¹</i>	<i>QA/QC²</i>	<i>Analytes</i>
S-092809-JH-001	SB-300	18/20	--	VOC, GRO, DRO ³
S-092809-JH-002	SB-301	9/11	--	VOC, GRO, DRO
S-092809-JH-003	SB-301	17/19	--	VOC, GRO, DRO
S-092809-JH-004	SB-302	17/19	--	VOC, GRO, DRO
S-092809-JH-005	SB-303	17/19	--	VOC, GRO, DRO
S-092909-JH-006	SB-304	17/19	MS/MSD	VOC, GRO, DRO
S-092909-JH-007	SB-G4-A	1/3	--	VOC, GRO, DRO
S-092909-JH-008	SB-G4-A	17/19	--	VOC, GRO, DRO
S-092909-JH-009	SB-G2-A	1/3	--	VOC, GRO, DRO
S-092909-JH-010	SB-G2-A	17/19	--	VOC, GRO, DRO
S-092909-JH-011	SB-F4-A	1/3	--	VOC, GRO, DRO
S-092909-JH-012	SB-F4-A	17/19	--	VOC, GRO, DRO
S-092909-JH-013	SB-F5-A	1/3	--	VOC, GRO, DRO
S-092909-JH-014	SB-F5-A	17/19	--	VOC, GRO, DRO
S-092909-JH-015	SB-E4-A	1/3	--	VOC, GRO, DRO
S-092909-JH-016	SB-E4-A	17/19	--	VOC, GRO, DRO
S-092909-JH-017	SB-D4-A	1/3	--	VOC, GRO, DRO
S-092909-JH-018	SB-D4-A	8/10	--	VOC, GRO, DRO
S-092909-JH-019	SB-E2-A	1/3	--	VOC, GRO, DRO
S-092909-JH-020	SB-E2-A	17/19	--	VOC, GRO, DRO
S-092909-JH-021	SB-B3-A	1/3	--	VOC, GRO, DRO
S-092909-JH-022	SB-B3-A	13/15	--	VOC, GRO, DRO
S-092909-JH-023	SB-B5-A	1/3	--	VOC, GRO, DRO
S-092909-JH-024	SB-B5-A	13/15	MS/MSD	VOC, GRO, DRO
GW-093009-JH-025	TMW-144	--	MS/MSD	VOC, GRO, DRO
GW-093009-JH-026	TMW-145	--	--	VOC, GRO, DRO
GW-093009-JH-027	TMW-146	--	--	VOC, GRO, DRO
GW-093009-JH-028	TMW-143	--	--	VOC, GRO, DRO
GW-093009-JH-029	TMW-143	--	Duplicate	VOC, GRO, DRO

¹ ft bgs - feet below ground surface

² QA/QC - Quality Control/Quality Assurance
MS/MSD - Matrix Spike/Matrix Spike Duplicate

³ VOC - volatile organic compounds
GRO - gasoline range organics
DRO - diesel range organics

ANALYTICAL REPORT

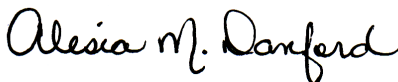
PROJECT NO. 12559

FRMR GM FAIRFAX SSOW# E095011
SDG #: 9I29153

Susan Scrocchi

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TESTAMERICA LABORATORIES, INC.



Denise D. Heckler
Project Manager

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Approved for release.
Alesia M. Danford
Project Manager
10/19/2009 1:31 PM

October 19, 2009

TestAmerica Laboratories, Inc.

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CASE NARRATIVE

9I29153

The following report contains the analytical results for twenty-four solid samples, six water samples and one quality control sample submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the FRMR GM FAIRFAX SSOW# E095011 Site, project number 12559. The samples were received October 02, 2009, September 29, 2009 and September 30, 2009, according to documented sample acceptance procedures.

This SDG consists of (3) laboratory ID's: A9I290153, A9I300149, and A9J020166.

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

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.

All parameters were evaluated to the method detection limit and include qualified results where applicable.

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.

CASE NARRATIVE (continued)

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

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.2 to 2.4°C.

See TestAmerica's Cooler Receipt Form for additional information.

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 GW-093009-JH-025 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) 9286550 and 9274348 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 9274471. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

Sample(s) S-092909-JH-012, S-092909-JH-016, S-092909-JH-017, and S-092909-JH-022 had elevated reporting limits due to TICs.

Sample(s) W-100109-JH-030 had elevated reporting limits due to foaming.

CASE NARRATIVE (continued)

GC/MS SEMIVOLATILES

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 9279044. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

Sample(s) W-100109-JH-030 had elevated reporting limits due to matrix interferences.

PURGEABLE PETROLEUM HYDROCARBONS-8015

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.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 9281071. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

Sample(s) S-092909-JH-023 and S-092909-JH-024 had elevated reporting limits due to matrix interference.

EXTRACTABLE PETROLEUM HYDROCARBONS-8015

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.

CASE NARRATIVE (continued)

EXTRACTABLE PETROLEUM HYDROCARBONS-8015 (continued)

The matrix spike/matrix spike duplicate(s) for S-092909-JH-006 had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The opening and closing CCVs failed high for Diesel. Since sample(s) GW-093009-JH-025 (MS/MSD), GW-093009-JH-026, GW-093009-JH-028, and GW-093009-JH-029 were non-detect (or J-flag values), no corrective action was needed.

The closing CCV failed high for Diesel. Since sample(s) S-092909-JH-006, S-092909-JH-008, S-092909-JH-010, S-092909-JH-011, and S-092909-JH-013 were non-detect (or J-flag values), no corrective action was needed.

PESTICIDES-8081

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.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 9279047. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

Surrogate recoveries were outside criteria for sample(s) W-100109-JH-030. Since the method criterion is that one of two surrogate compounds must meet acceptance criteria, no corrective action was required.

The opening CCV passed average, but failed Methoxychlor. Since sample(s) W-100109-JH-030 was non-detect for Methoxychlor, no corrective action was needed.

HERBICIDES-8151

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 9279029. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

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).

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

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 reparation 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.)

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

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- 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 reparation 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.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.
California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

EXECUTIVE SUMMARY - Detection Highlights

9I29153 : A9I290153

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-092809-JH-001 09/28/09 13:50 001				
Methylene chloride	5.1 J	11	ug/kg	SW846 8260B
Percent Solids	85.7	10.0	%	MCAWW 160.3 MOD
S-092809-JH-002 09/28/09 15:15 002				
Methylene chloride	2.8 J	12	ug/kg	SW846 8260B
Percent Solids	96.5	10.0	%	MCAWW 160.3 MOD
S-092809-JH-003 09/28/09 15:30 003				
Methylene chloride	3.8 J	10	ug/kg	SW846 8260B
Percent Solids	94.9	10.0	%	MCAWW 160.3 MOD
S-092809-JH-004 09/28/09 16:20 004				
Methylene chloride	3.3 J	11	ug/kg	SW846 8260B
Percent Solids	96.0	10.0	%	MCAWW 160.3 MOD
S-092809-JH-005 09/28/09 17:00 005				
Methylene chloride	5.4 J	13	ug/kg	SW846 8260B
Percent Solids	83.0	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

9I29153 : A9I300149

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-092909-JH-006 09/29/09 08:40 001				
Methylene chloride	4.8 J	11	ug/kg	SW846 8260B
Percent Solids	96.8	10.0	%	MCAWW 160.3 MOD
S-092909-JH-007 09/29/09 09:15 002				
TPH (as Diesel)	15	10	mg/kg	SW846 8015B
Methylene chloride	4.2 J	9.7	ug/kg	SW846 8260B
Percent Solids	95.6	10.0	%	MCAWW 160.3 MOD
S-092909-JH-008 09/29/09 09:30 003				
Methylene chloride	4.8 J	12	ug/kg	SW846 8260B
Percent Solids	86.7	10.0	%	MCAWW 160.3 MOD
S-092909-JH-009 09/29/09 10:00 004				
TPH (as Diesel)	19	12	mg/kg	SW846 8015B
Methylene chloride	3.0 J	12	ug/kg	SW846 8260B
Percent Solids	80.8	10.0	%	MCAWW 160.3 MOD
S-092909-JH-010 09/29/09 10:15 005				
Methylene chloride	4.2 J	11	ug/kg	SW846 8260B
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD
S-092909-JH-011 09/29/09 10:50 006				
TPH (as Diesel)	6.4 J	12	mg/kg	SW846 8015B
Methylene chloride	1.5 J	11	ug/kg	SW846 8260B
Percent Solids	81.1	10.0	%	MCAWW 160.3 MOD
S-092909-JH-012 09/29/09 11:00 007				
TPH (as Diesel)	12000	2600	mg/kg	SW846 8015B
TPH (as Gasoline)	76000 B	52000	ug/kg	SW846 8015B
Benzene	120 J	5500	ug/kg	SW846 8260B
Ethylbenzene	1300 J	5500	ug/kg	SW846 8260B
Methylene chloride	3700 J	5500	ug/kg	SW846 8260B
Xylenes (total)	380 J	5500	ug/kg	SW846 8260B
Percent Solids	96.8	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

9I29153 : A9I300149

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-092909-JH-013 09/29/09 11:25 008				
TPH (as Diesel)	3.7 J	12	mg/kg	SW846 8015B
Methylene chloride	6.6 J	11	ug/kg	SW846 8260B
Percent Solids	84.0	10.0	%	MCAWW 160.3 MOD
S-092909-JH-014 09/29/09 11:40 009				
TPH (as Diesel)	8.7 J	11	mg/kg	SW846 8015B
Methylene chloride	9.7 J	12	ug/kg	SW846 8260B
Acetone	16	12	ug/kg	SW846 8260B
2-Butanone	2.4 J	12	ug/kg	SW846 8260B
Percent Solids	90.3	10.0	%	MCAWW 160.3 MOD
S-092909-JH-015 09/29/09 12:00 010				
TPH (as Diesel)	54	12	mg/kg	SW846 8015B
TPH (as Gasoline)	85 J	120	ug/kg	SW846 8015B
Methylene chloride	6.5 J	13	ug/kg	SW846 8260B
Acetone	35	13	ug/kg	SW846 8260B
2-Butanone	7.0 J	13	ug/kg	SW846 8260B
Benzene	0.82 J	13	ug/kg	SW846 8260B
Ethylbenzene	5.1 J	13	ug/kg	SW846 8260B
Xylenes (total)	3.7 J	13	ug/kg	SW846 8260B
Percent Solids	80.5	10.0	%	MCAWW 160.3 MOD
S-092909-JH-016 09/29/09 12:15 011				
TPH (as Diesel)	14000	5400	mg/kg	SW846 8015B
TPH (as Gasoline)	120000 B	54000	ug/kg	SW846 8015B
Benzene	78 J	3700	ug/kg	SW846 8260B
Ethylbenzene	1400 J	3700	ug/kg	SW846 8260B
Methylene chloride	2400 J	3700	ug/kg	SW846 8260B
Toluene	150 J, B	3700	ug/kg	SW846 8260B
Xylenes (total)	180 J	3700	ug/kg	SW846 8260B
Percent Solids	93.4	10.0	%	MCAWW 160.3 MOD
S-092909-JH-017 09/29/09 13:10 012				
TPH (as Diesel)	8900	6000	mg/kg	SW846 8015B
TPH (as Gasoline)	78000 B	60000	ug/kg	SW846 8015B
2-Butanone	190 J, B	1100	ug/kg	SW846 8260B
Ethylbenzene	310 J	1100	ug/kg	SW846 8260B
Methylene chloride	680 J	1100	ug/kg	SW846 8260B
Toluene	28 J, B	1100	ug/kg	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

9I29153 : A9I300149

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-092909-JH-017 09/29/09 13:10 012				
Xylenes (total)	150 J	1100	ug/kg	SW846 8260B
Percent Solids	83.7	10.0	%	MCAWW 160.3 MOD
S-092909-JH-018 09/29/09 13:20 013				
TPH (as Diesel)	31	13	mg/kg	SW846 8015B
TPH (as Gasoline)	170	120	ug/kg	SW846 8015B
Methylene chloride	7.9 J	13	ug/kg	SW846 8260B
Acetone	36	13	ug/kg	SW846 8260B
2-Butanone	6.5 J	13	ug/kg	SW846 8260B
Benzene	3.1 J	13	ug/kg	SW846 8260B
Ethylbenzene	2.2 J	13	ug/kg	SW846 8260B
Percent Solids	79.4	10.0	%	MCAWW 160.3 MOD
S-092909-JH-019 09/29/09 14:00 014				
TPH (as Diesel)	850	240	mg/kg	SW846 8015B
Methylene chloride	4.7 J	11	ug/kg	SW846 8260B
Toluene	0.32 J	11	ug/kg	SW846 8260B
Percent Solids	84.3	10.0	%	MCAWW 160.3 MOD
S-092909-JH-020 09/29/09 14:15 015				
Methylene chloride	5.1 J	13	ug/kg	SW846 8260B
Percent Solids	87.7	10.0	%	MCAWW 160.3 MOD
S-092909-JH-021 09/29/09 14:30 016				
TPH (as Diesel)	6.7 J	12	mg/kg	SW846 8015B
Methylene chloride	4.7 J	11	ug/kg	SW846 8260B
Acetone	15	11	ug/kg	SW846 8260B
2-Butanone	3.7 J	11	ug/kg	SW846 8260B
Percent Solids	83.0	10.0	%	MCAWW 160.3 MOD
S-092909-JH-022 09/29/09 14:45 017				
TPH (as Diesel)	64000	6400	mg/kg	SW846 8015B
TPH (as Gasoline)	720000 B	130000	ug/kg	SW846 8015B
Ethylbenzene	5500 J	32000	ug/kg	SW846 8260B
Methylene chloride	25000 J	32000	ug/kg	SW846 8260B
Xylenes (total)	43000	32000	ug/kg	SW846 8260B
Percent Solids	78.1	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

9I29153 : A9I300149

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S-092909-JH-023 09/29/09 16:00 018				
Methylene chloride	6.1 J	12	ug/kg	SW846 8260B
Toluene	0.39 J	12	ug/kg	SW846 8260B
Percent Solids	83.2	10.0	%	MCAWW 160.3 MOD
S-092909-JH-024 09/29/09 16:10 019				
Methylene chloride	1.5 J	11	ug/kg	SW846 8260B
Percent Solids	84.0	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

9I29153 : A9J020166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-093009-JH-025 09/30/09 13:20 001				
TPH (as Diesel)	94 J,B	100	ug/L	SW846 8015B
cis-1,2-Dichloroethene	24	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	1.3	0.50	ug/L	SW846 8260B
Trichloroethene	5.1	1.0	ug/L	SW846 8260B
GW-093009-JH-026 09/30/09 14:20 002				
TPH (as Diesel)	82 J,B	100	ug/L	SW846 8015B
GW-093009-JH-027 09/30/09 15:15 003				
TPH (as Diesel)	40 J,B	100	ug/L	SW846 8015B
GW-093009-JH-028 09/30/09 16:15 004				
TPH (as Diesel)	43 J,B	100	ug/L	SW846 8015B
Tetrachloroethene	1.6	1.0	ug/L	SW846 8260B
GW-093009-JH-029 09/30/09 16:40 005				
TPH (as Diesel)	39 J,B	100	ug/L	SW846 8015B
Tetrachloroethene	1.6	1.0	ug/L	SW846 8260B
W-100109-JH-030 10/01/09 16:00 006				
Heptachlor	0.000055	0.00050	mg/L	SW846 8081A
	Qualifiers: J			
Lindane	0.000043	0.00050	mg/L	SW846 8081A
	Qualifiers: J			
Arsenic - TCLP	0.0066 B	0.50	mg/L	SW846 6010B
Barium - TCLP	0.13 B,J	10.0	mg/L	SW846 6010B
Chromium - TCLP	0.0029 B	0.50	mg/L	SW846 6010B
Selenium - TCLP	0.016 B	0.25	mg/L	SW846 6010B
Corrosivity	7.3		No Units	SW846 9045A
Ignitability	>180		No Units	SW846 SECTION 7.1
Biochemical Oxygen Demand (BOD)	7000	2	mg/L	SM18 5210 B

ANALYTICAL METHODS SUMMARY

9I29153

PARAMETER	ANALYTICAL METHOD
Biochemical Oxygen Demand	SM18 5210 B
Chlorinated Herbicides by GC	SW846 8151A
Corrosivity	SW846 9045A
Cyanide, Total	SW846 9012A
Extractable Petroleum Hydrocarbons	SW846 8015B
Ignitability	SW846 SECTION 7.1.2
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Organochlorine Pesticides	SW846 8081A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Residue as Percent Solids	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SM18 "Standard Methods for the Examination of Water and
Wastewater", 18th Edition, 1992.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

9I29153 : A9I290153

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LLM7K	001	S-092809-JH-001	09/28/09	13:50
LLM7Q	002	S-092809-JH-002	09/28/09	15:15
LLM7R	003	S-092809-JH-003	09/28/09	15:30
LLM7T	004	S-092809-JH-004	09/28/09	16:20
LLM7V	005	S-092809-JH-005	09/28/09	17:00

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.

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SAMPLE SUMMARY

9I29153 : A9I300149

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LLPWX	001	S-092909-JH-006	09/29/09	08:40
LLPW1	002	S-092909-JH-007	09/29/09	09:15
LLPW2	003	S-092909-JH-008	09/29/09	09:30
LLPW3	004	S-092909-JH-009	09/29/09	10:00
LLPW4	005	S-092909-JH-010	09/29/09	10:15
LLPW7	006	S-092909-JH-011	09/29/09	10:50
LLPW8	007	S-092909-JH-012	09/29/09	11:00
LLPW9	008	S-092909-JH-013	09/29/09	11:25
LLPXA	009	S-092909-JH-014	09/29/09	11:40
LLPXC	010	S-092909-JH-015	09/29/09	12:00
LLPXD	011	S-092909-JH-016	09/29/09	12:15
LLPXE	012	S-092909-JH-017	09/29/09	13:10
LLPXF	013	S-092909-JH-018	09/29/09	13:20
LLPXG	014	S-092909-JH-019	09/29/09	14:00
LLPXH	015	S-092909-JH-020	09/29/09	14:15
LLPXJ	016	S-092909-JH-021	09/29/09	14:30
LLPXK	017	S-092909-JH-022	09/29/09	14:45
LLPXM	018	S-092909-JH-023	09/29/09	16:00
LLPXN	019	S-092909-JH-024	09/29/09	16:10

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.

(Continued on next page)

SAMPLE SUMMARY

9I29153 : A9J020166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LLWAD	001	GW-093009-JH-025	09/30/09	13:20
LLWAR	002	GW-093009-JH-026	09/30/09	14:20
LLWAV	003	GW-093009-JH-027	09/30/09	15:15
LLWAW	004	GW-093009-JH-028	09/30/09	16:15
LLWAX	005	GW-093009-JH-029	09/30/09	16:40
LLWCL	006	W-100109-JH-030	10/01/09	16:00
LLWC5	007	TRIP BLANK	09/30/09	

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: S-092809-JH-001

GC/MS Volatiles

Lot-Sample #....: A9I290153-001 Work Order #....: LLM7K1AE Matrix.....: S0
 Date Sampled....: 09/28/09 13:50 Date Received...: 09/29/09
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 0.95
 % Moisture.....: 14 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.40
trans-1,2-Dichloroethene	ND	11	ug/kg	0.45
Chloromethane	ND	11	ug/kg	0.45
Bromomethane	ND	11	ug/kg	0.60
Vinyl chloride	ND	11	ug/kg	0.43
Chloroethane	ND	11	ug/kg	0.95
Methylene chloride	5.1 J	11	ug/kg	0.74
Acetone	ND	11	ug/kg	7.0
Carbon disulfide	ND	11	ug/kg	0.49
1,1-Dichloroethene	ND	11	ug/kg	0.58
1,1-Dichloroethane	ND	11	ug/kg	0.40
Chloroform	ND	11	ug/kg	0.32
1,2-Dichloroethane	ND	11	ug/kg	0.38
2-Butanone	ND	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.62
Carbon tetrachloride	ND	11	ug/kg	0.41
Bromodichloromethane	ND	11	ug/kg	0.31
1,2-Dichloropropane	ND	11	ug/kg	0.77
cis-1,3-Dichloropropene	ND	11	ug/kg	0.38
Trichloroethene	ND	11	ug/kg	0.47
Dibromochloromethane	ND	11	ug/kg	0.61
1,1,2-Trichloroethane	ND	11	ug/kg	0.43
Benzene	ND	11	ug/kg	0.26
trans-1,3-Dichloropropene	ND	11	ug/kg	0.60
Bromoform	ND	11	ug/kg	0.37
4-Methyl-2-pentanone	ND	11	ug/kg	0.60
2-Hexanone	ND	11	ug/kg	0.70
Tetrachloroethene	ND	11	ug/kg	0.58
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.38
Toluene	ND	11	ug/kg	0.30
Chlorobenzene	ND	11	ug/kg	0.37
Ethylbenzene	ND	11	ug/kg	0.29
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.74
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	92		(59 - 138)	
1,2-Dichloroethane-d4	85		(61 - 130)	
Toluene-d8	94		(60 - 143)	
4-Bromofluorobenzene	96		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-001

GC/MS Volatiles

Lot-Sample #...: A9I290153-001 Work Order #...: LLM7K1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-001

GC Volatiles

Lot-Sample #...: A9I290153-001 **Work Order #...**: LLM7K1AC **Matrix.....**: S0
Date Sampled...: 09/28/09 13:50 **Date Received...**: 09/29/09
Prep Date.....: 10/07/09 **Analysis Date...**: 10/07/09
Prep Batch #...: 9281071
Dilution Factor: 0.93
% Moisture.....: 14 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	103	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-001

GC Semivolatiles

Lot-Sample #...: A9I290153-001 **Work Order #...**: LLM7K1AD **Matrix.....**: S0
Date Sampled...: 09/28/09 13:50 **Date Received...**: 09/29/09
Prep Date.....: 09/30/09 **Analysis Date...**: 10/02/09
Prep Batch #...: 9273038
Dilution Factor: 1
% Moisture.....: 14 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	12	mg/kg	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	20	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-001

General Chemistry

Lot-Sample #...: A9I290153-001 Work Order #...: LLM7K Matrix.....: S0
Date Sampled...: 09/28/09 13:50 Date Received...: 09/29/09
% Moisture.....: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	85.7	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285345
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-002

GC/MS Volatiles

Lot-Sample #....: A9I290153-002 Work Order #....: LLM7Q1AE Matrix.....: S0
 Date Sampled....: 09/28/09 15:15 Date Received...: 09/29/09
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 1.13
 % Moisture.....: 3.5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	12	ug/kg	0.42
trans-1,2-Dichloroethene	ND	12	ug/kg	0.48
Chloromethane	ND	12	ug/kg	0.48
Bromomethane	ND	12	ug/kg	0.63
Vinyl chloride	ND	12	ug/kg	0.46
Chloroethane	ND	12	ug/kg	1.0
Methylene chloride	2.8 J	12	ug/kg	0.78
Acetone	ND	12	ug/kg	7.4
Carbon disulfide	ND	12	ug/kg	0.52
1,1-Dichloroethene	ND	12	ug/kg	0.61
1,1-Dichloroethane	ND	12	ug/kg	0.42
Chloroform	ND	12	ug/kg	0.34
1,2-Dichloroethane	ND	12	ug/kg	0.40
2-Butanone	ND	12	ug/kg	1.6
1,1,1-Trichloroethane	ND	12	ug/kg	0.66
Carbon tetrachloride	ND	12	ug/kg	0.43
Bromodichloromethane	ND	12	ug/kg	0.33
1,2-Dichloropropane	ND	12	ug/kg	0.81
cis-1,3-Dichloropropene	ND	12	ug/kg	0.40
Trichloroethene	ND	12	ug/kg	0.49
Dibromochloromethane	ND	12	ug/kg	0.64
1,1,2-Trichloroethane	ND	12	ug/kg	0.46
Benzene	ND	12	ug/kg	0.27
trans-1,3-Dichloropropene	ND	12	ug/kg	0.63
Bromoform	ND	12	ug/kg	0.39
4-Methyl-2-pentanone	ND	12	ug/kg	0.63
2-Hexanone	ND	12	ug/kg	0.74
Tetrachloroethene	ND	12	ug/kg	0.61
1,1,2,2-Tetrachloroethane	ND	12	ug/kg	0.40
Toluene	ND	12	ug/kg	0.32
Chlorobenzene	ND	12	ug/kg	0.39
Ethylbenzene	ND	12	ug/kg	0.30
Styrene	ND	12	ug/kg	0.18
Xylenes (total)	ND	12	ug/kg	0.78
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	88		(59 - 138)	
1,2-Dichloroethane-d4	84		(61 - 130)	
Toluene-d8	91		(60 - 143)	
4-Bromofluorobenzene	93		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-002

GC/MS Volatiles

Lot-Sample #...: A9I290153-002 Work Order #...: LLM7Q1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-002

GC Volatiles

Lot-Sample #....: A9I290153-002 Work Order #....: LLM7Q1AC Matrix.....: S0
Date Sampled....: 09/28/09 15:15 Date Received...: 09/29/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #....: 9281071
Dilution Factor: 1.11
% Moisture.....: 3.5 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	120	ug/kg	32

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	102	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-002

GC Semivolatiles

Lot-Sample #....: A9I290153-002 Work Order #....: LLM7Q1AD Matrix.....: S0
Date Sampled...: 09/28/09 15:15 Date Received...: 09/29/09
Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
Prep Batch #....: 9273038
Dilution Factor: 1
% Moisture.....: 3.5 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	10	mg/kg	2.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	28	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-002

General Chemistry

Lot-Sample #... A9I290153-002 **Work Order #...** LLM7Q **Matrix.....** S0
Date Sampled... 09/28/09 15:15 **Date Received...** 09/29/09
% Moisture..... 3.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.5	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285345
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-003

GC/MS Volatiles

Lot-Sample #....: A9I290153-003 Work Order #....: LLM7R1AE Matrix.....: S0
 Date Sampled....: 09/28/09 15:30 Date Received...: 09/29/09
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 0.99
 % Moisture.....: 5.1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	10	ug/kg	0.38
trans-1,2-Dichloroethene	ND	10	ug/kg	0.43
Chloromethane	ND	10	ug/kg	0.43
Bromomethane	ND	10	ug/kg	0.56
Vinyl chloride	ND	10	ug/kg	0.41
Chloroethane	ND	10	ug/kg	0.90
Methylene chloride	3.8 J	10	ug/kg	0.70
Acetone	ND	10	ug/kg	6.6
Carbon disulfide	ND	10	ug/kg	0.46
1,1-Dichloroethene	ND	10	ug/kg	0.54
1,1-Dichloroethane	ND	10	ug/kg	0.38
Chloroform	ND	10	ug/kg	0.30
1,2-Dichloroethane	ND	10	ug/kg	0.35
2-Butanone	ND	10	ug/kg	1.5
1,1,1-Trichloroethane	ND	10	ug/kg	0.58
Carbon tetrachloride	ND	10	ug/kg	0.39
Bromodichloromethane	ND	10	ug/kg	0.29
1,2-Dichloropropane	ND	10	ug/kg	0.72
cis-1,3-Dichloropropene	ND	10	ug/kg	0.35
Trichloroethene	ND	10	ug/kg	0.44
Dibromochloromethane	ND	10	ug/kg	0.57
1,1,2-Trichloroethane	ND	10	ug/kg	0.41
Benzene	ND	10	ug/kg	0.24
trans-1,3-Dichloropropene	ND	10	ug/kg	0.56
Bromoform	ND	10	ug/kg	0.34
4-Methyl-2-pentanone	ND	10	ug/kg	0.56
2-Hexanone	ND	10	ug/kg	0.66
Tetrachloroethene	ND	10	ug/kg	0.54
1,1,2,2-Tetrachloroethane	ND	10	ug/kg	0.35
Toluene	ND	10	ug/kg	0.28
Chlorobenzene	ND	10	ug/kg	0.34
Ethylbenzene	ND	10	ug/kg	0.27
Styrene	ND	10	ug/kg	0.16
Xylenes (total)	ND	10	ug/kg	0.70
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	92		(59 - 138)	
1,2-Dichloroethane-d4	85		(61 - 130)	
Toluene-d8	94		(60 - 143)	
4-Bromofluorobenzene	93		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-003

GC/MS Volatiles

Lot-Sample #...: A9I290153-003 Work Order #...: LLM7R1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-003

GC Volatiles

Lot-Sample #....: A9I290153-003 Work Order #....: LLM7R1AC Matrix.....: S0
Date Sampled....: 09/28/09 15:30 Date Received...: 09/29/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #....: 9281071
Dilution Factor: 1.06
% Moisture.....: 5.1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	31

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	102	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-003

GC Semivolatiles

Lot-Sample #....: A9I290153-003 Work Order #....: LLM7R1AD Matrix.....: S0
Date Sampled....: 09/28/09 15:30 Date Received...: 09/29/09
Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
Prep Batch #....: 9273038
Dilution Factor: 1
% Moisture.....: 5.1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	11	mg/kg	2.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	24	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-003

General Chemistry

Lot-Sample #...: A9I290153-003 **Work Order #...:** LLM7R **Matrix.....:** S0
Date Sampled...: 09/28/09 15:30 **Date Received...:** 09/29/09
% Moisture.....: 5.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.9	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285345
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-004

GC/MS Volatiles

Lot-Sample #....: A9I290153-004 Work Order #....: LLM7T1AE Matrix.....: S0
 Date Sampled....: 09/28/09 16:20 Date Received...: 09/29/09
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 1.09
 % Moisture.....: 4.0 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.41
trans-1,2-Dichloroethene	ND	11	ug/kg	0.47
Chloromethane	ND	11	ug/kg	0.47
Bromomethane	ND	11	ug/kg	0.61
Vinyl chloride	ND	11	ug/kg	0.44
Chloroethane	ND	11	ug/kg	0.98
Methylene chloride	3.3 J	11	ug/kg	0.76
Acetone	ND	11	ug/kg	7.2
Carbon disulfide	ND	11	ug/kg	0.50
1,1-Dichloroethene	ND	11	ug/kg	0.59
1,1-Dichloroethane	ND	11	ug/kg	0.41
Chloroform	ND	11	ug/kg	0.33
1,2-Dichloroethane	ND	11	ug/kg	0.39
2-Butanone	ND	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.64
Carbon tetrachloride	ND	11	ug/kg	0.42
Bromodichloromethane	ND	11	ug/kg	0.32
1,2-Dichloropropane	ND	11	ug/kg	0.78
cis-1,3-Dichloropropene	ND	11	ug/kg	0.39
Trichloroethene	ND	11	ug/kg	0.48
Dibromochloromethane	ND	11	ug/kg	0.62
1,1,2-Trichloroethane	ND	11	ug/kg	0.44
Benzene	ND	11	ug/kg	0.26
trans-1,3-Dichloropropene	ND	11	ug/kg	0.61
Bromoform	ND	11	ug/kg	0.37
4-Methyl-2-pentanone	ND	11	ug/kg	0.61
2-Hexanone	ND	11	ug/kg	0.72
Tetrachloroethene	ND	11	ug/kg	0.59
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.39
Toluene	ND	11	ug/kg	0.31
Chlorobenzene	ND	11	ug/kg	0.37
Ethylbenzene	ND	11	ug/kg	0.30
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.76

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(59 - 138)
1,2-Dichloroethane-d4	87	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	96	(47 - 158)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-004

GC/MS Volatiles

Lot-Sample #...: A9I290153-004 Work Order #...: LLM7T1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-004

GC Volatiles

Lot-Sample #....: A9I290153-004 Work Order #....: LLM7T1AC Matrix.....: S0
Date Sampled....: 09/28/09 16:20 Date Received...: 09/29/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #....: 9281071
Dilution Factor: 1.06
% Moisture.....: 4.0 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	31

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	103	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-004

GC Semivolatiles

Lot-Sample #....: A9I290153-004 Work Order #....: LLM7T1AD Matrix.....: S0
Date Sampled...: 09/28/09 16:20 Date Received...: 09/29/09
Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
Prep Batch #....: 9273038
Dilution Factor: 1
% Moisture.....: 4.0 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	10	mg/kg	2.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	29	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-004

General Chemistry

Lot-Sample #... A9I290153-004 **Work Order #...** LLM7T **Matrix.....** S0
Date Sampled... 09/28/09 16:20 **Date Received...** 09/29/09
% Moisture..... 4.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.0	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285345
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-005

GC/MS Volatiles

Lot-Sample #....: A9I290153-005 Work Order #....: LLM7V1AE Matrix.....: SO
 Date Sampled....: 09/28/09 17:00 Date Received...: 09/29/09
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 1.04
 % Moisture.....: 17 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	13	ug/kg	0.45
trans-1,2-Dichloroethene	ND	13	ug/kg	0.51
Chloromethane	ND	13	ug/kg	0.51
Bromomethane	ND	13	ug/kg	0.68
Vinyl chloride	ND	13	ug/kg	0.49
Chloroethane	ND	13	ug/kg	1.1
Methylene chloride	5.4 J	13	ug/kg	0.84
Acetone	ND	13	ug/kg	7.9
Carbon disulfide	ND	13	ug/kg	0.55
1,1-Dichloroethene	ND	13	ug/kg	0.65
1,1-Dichloroethane	ND	13	ug/kg	0.45
Chloroform	ND	13	ug/kg	0.36
1,2-Dichloroethane	ND	13	ug/kg	0.43
2-Butanone	ND	13	ug/kg	1.8
1,1,1-Trichloroethane	ND	13	ug/kg	0.70
Carbon tetrachloride	ND	13	ug/kg	0.46
Bromodichloromethane	ND	13	ug/kg	0.35
1,2-Dichloropropane	ND	13	ug/kg	0.86
cis-1,3-Dichloropropene	ND	13	ug/kg	0.43
Trichloroethene	ND	13	ug/kg	0.53
Dibromochloromethane	ND	13	ug/kg	0.69
1,1,2-Trichloroethane	ND	13	ug/kg	0.49
Benzene	ND	13	ug/kg	0.29
trans-1,3-Dichloropropene	ND	13	ug/kg	0.68
Bromoform	ND	13	ug/kg	0.41
4-Methyl-2-pentanone	ND	13	ug/kg	0.68
2-Hexanone	ND	13	ug/kg	0.79
Tetrachloroethene	ND	13	ug/kg	0.65
1,1,2,2-Tetrachloroethane	ND	13	ug/kg	0.43
Toluene	ND	13	ug/kg	0.34
Chlorobenzene	ND	13	ug/kg	0.41
Ethylbenzene	ND	13	ug/kg	0.33
Styrene	ND	13	ug/kg	0.19
Xylenes (total)	ND	13	ug/kg	0.84
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	90		(59 - 138)	
1,2-Dichloroethane-d4	84		(61 - 130)	
Toluene-d8	92		(60 - 143)	
4-Bromofluorobenzene	95		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-005

GC/MS Volatiles

Lot-Sample #...: A9I290153-005 Work Order #...: LLM7V1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-005

GC Volatiles

Lot-Sample #....: A9I290153-005 Work Order #....: LLM7V1AC Matrix.....: S0
Date Sampled....: 09/28/09 17:00 Date Received...: 09/29/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #....: 9281071
Dilution Factor: 1.09
% Moisture.....: 17 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	130	ug/kg	37

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	103	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-005

GC Semivolatiles

Lot-Sample #....: A9I290153-005 Work Order #....: LLM7V1AD Matrix.....: S0
Date Sampled....: 09/28/09 17:00 Date Received...: 09/29/09
Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
Prep Batch #....: 9273038
Dilution Factor: 1
% Moisture.....: 17 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	12	mg/kg	3.4

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	20	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092809-JH-005

General Chemistry

Lot-Sample #...: A9I290153-005 Work Order #...: LLM7V Matrix.....: S0
Date Sampled...: 09/28/09 17:00 Date Received...: 09/29/09
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	83.0	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-006

GC/MS Volatiles

Lot-Sample #... A9I300149-001 **Work Order #...** LLPWX1AJ **Matrix.....** S0
Date Sampled... 09/29/09 08:40 **Date Received...** 09/30/09
Prep Date..... 10/01/09 **Analysis Date...** 10/02/09
Prep Batch #... 9278432
Dilution Factor: 1.06
% Moisture..... 3.2 **Method.....** SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.39
trans-1,2-Dichloroethene	ND	11	ug/kg	0.45
Chloromethane	ND	11	ug/kg	0.45
Bromomethane	ND	11	ug/kg	0.59
Vinyl chloride	ND	11	ug/kg	0.43
Chloroethane	ND	11	ug/kg	0.94
Methylene chloride	4.8 J	11	ug/kg	0.73
Acetone	ND	11	ug/kg	6.9
Carbon disulfide	ND	11	ug/kg	0.48
1,1-Dichloroethene	ND	11	ug/kg	0.57
1,1-Dichloroethane	ND	11	ug/kg	0.39
Chloroform	ND	11	ug/kg	0.32
1,2-Dichloroethane	ND	11	ug/kg	0.37
2-Butanone	ND	11	ug/kg	1.5
1,1,1-Trichloroethane	ND	11	ug/kg	0.61
Carbon tetrachloride	ND	11	ug/kg	0.41
Bromodichloromethane	ND	11	ug/kg	0.31
1,2-Dichloropropane	ND	11	ug/kg	0.76
cis-1,3-Dichloropropene	ND	11	ug/kg	0.37
Trichloroethene	ND	11	ug/kg	0.46
Dibromochloromethane	ND	11	ug/kg	0.60
1,1,2-Trichloroethane	ND	11	ug/kg	0.43
Benzene	ND	11	ug/kg	0.25
trans-1,3-Dichloropropene	ND	11	ug/kg	0.59
Bromoform	ND	11	ug/kg	0.36
4-Methyl-2-pentanone	ND	11	ug/kg	0.59
2-Hexanone	ND	11	ug/kg	0.69
Tetrachloroethene	ND	11	ug/kg	0.57
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.37
Toluene	ND	11	ug/kg	0.30
Chlorobenzene	ND	11	ug/kg	0.36
Ethylbenzene	ND	11	ug/kg	0.28
Styrene	ND	11	ug/kg	0.16
Xylenes (total)	ND	11	ug/kg	0.73

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	90	(59 - 138)
1,2-Dichloroethane-d4	86	(61 - 130)
Toluene-d8	99	(60 - 143)
4-Bromofluorobenzene	101	(47 - 158)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-006

GC/MS Volatiles

Lot-Sample #...: A9I300149-001 Work Order #...: LLPWX1AJ Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-006

GC Volatiles

Lot-Sample #...: A9I300149-001 Work Order #...: LLPWX1AC Matrix.....: S0
Date Sampled...: 09/29/09 08:40 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #...: 9279090
Dilution Factor: 1.11
% Moisture.....: 3.2 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	32

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	103	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-006

GC Semivolatiles

Lot-Sample #...: A9I300149-001 **Work Order #...**: LLPWX1AF **Matrix.....**: S0
Date Sampled...: 09/29/09 08:40 **Date Received...**: 09/30/09
Prep Date.....: 10/01/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9274322
Dilution Factor: 1
% Moisture.....: 3.2 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	10	mg/kg	2.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	16	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-006

General Chemistry

Lot-Sample #...: A9I300149-001 Work Order #...: LLPWX Matrix.....: S0
Date Sampled...: 09/29/09 08:40 Date Received...: 09/30/09
% Moisture.....: 3.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.8	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-007

GC/MS Volatiles

Lot-Sample #....: A9I300149-002 Work Order #....: LLPW11AE Matrix.....: S0
 Date Sampled....: 09/29/09 09:15 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 0.93
 % Moisture.....: 4.4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	9.7	ug/kg	0.35
trans-1,2-Dichloroethene	ND	9.7	ug/kg	0.40
Chloromethane	ND	9.7	ug/kg	0.40
Bromomethane	ND	9.7	ug/kg	0.53
Vinyl chloride	ND	9.7	ug/kg	0.38
Chloroethane	ND	9.7	ug/kg	0.84
Methylene chloride	4.2 J	9.7	ug/kg	0.65
Acetone	ND	9.7	ug/kg	6.1
Carbon disulfide	ND	9.7	ug/kg	0.43
1,1-Dichloroethene	ND	9.7	ug/kg	0.51
1,1-Dichloroethane	ND	9.7	ug/kg	0.35
Chloroform	ND	9.7	ug/kg	0.28
1,2-Dichloroethane	ND	9.7	ug/kg	0.33
2-Butanone	ND	9.7	ug/kg	1.4
1,1,1-Trichloroethane	ND	9.7	ug/kg	0.54
Carbon tetrachloride	ND	9.7	ug/kg	0.36
Bromodichloromethane	ND	9.7	ug/kg	0.27
1,2-Dichloropropane	ND	9.7	ug/kg	0.67
cis-1,3-Dichloropropene	ND	9.7	ug/kg	0.33
Trichloroethene	ND	9.7	ug/kg	0.41
Dibromochloromethane	ND	9.7	ug/kg	0.54
1,1,2-Trichloroethane	ND	9.7	ug/kg	0.38
Benzene	ND	9.7	ug/kg	0.22
trans-1,3-Dichloropropene	ND	9.7	ug/kg	0.53
Bromoform	ND	9.7	ug/kg	0.32
4-Methyl-2-pentanone	ND	9.7	ug/kg	0.53
2-Hexanone	ND	9.7	ug/kg	0.61
Tetrachloroethene	ND	9.7	ug/kg	0.51
1,1,2,2-Tetrachloroethane	ND	9.7	ug/kg	0.33
Toluene	ND	9.7	ug/kg	0.26
Chlorobenzene	ND	9.7	ug/kg	0.32
Ethylbenzene	ND	9.7	ug/kg	0.25
Styrene	ND	9.7	ug/kg	0.15
Xylenes (total)	ND	9.7	ug/kg	0.65
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	91		(59 - 138)	
1,2-Dichloroethane-d4	86		(61 - 130)	
Toluene-d8	93		(60 - 143)	
4-Bromofluorobenzene	99		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-007

GC/MS Volatiles

Lot-Sample #...: A9I300149-002 Work Order #...: LLPW11AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-007

GC Volatiles

Lot-Sample #....: A9I300149-002 Work Order #....: LLPW11AC Matrix.....: S0
Date Sampled....: 09/29/09 09:15 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 0.91
% Moisture.....: 4.4 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	95	ug/kg	27

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	108	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-007

GC Semivolatiles

Lot-Sample #....: A9I300149-002 Work Order #....: LLPW11AD Matrix.....: S0
Date Sampled....: 09/29/09 09:15 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/06/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 4.4 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	15	10	mg/kg	2.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	30	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-007

General Chemistry

Lot-Sample #...: A9I300149-002 **Work Order #...:** LLPW1 **Matrix.....:** S0
Date Sampled...: 09/29/09 09:15 **Date Received...:** 09/30/09
% Moisture.....: 4.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.6	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-008

GC/MS Volatiles

Lot-Sample #....: A9I300149-003 Work Order #....: LLPW21AE Matrix.....: S0
 Date Sampled....: 09/29/09 09:30 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 1.07
 % Moisture.....: 13 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	12	ug/kg	0.44
trans-1,2-Dichloroethene	ND	12	ug/kg	0.51
Chloromethane	ND	12	ug/kg	0.51
Bromomethane	ND	12	ug/kg	0.67
Vinyl chloride	ND	12	ug/kg	0.48
Chloroethane	ND	12	ug/kg	1.1
Methylene chloride	4.8 J	12	ug/kg	0.83
Acetone	ND	12	ug/kg	7.8
Carbon disulfide	ND	12	ug/kg	0.54
1,1-Dichloroethene	ND	12	ug/kg	0.64
1,1-Dichloroethane	ND	12	ug/kg	0.44
Chloroform	ND	12	ug/kg	0.36
1,2-Dichloroethane	ND	12	ug/kg	0.42
2-Butanone	ND	12	ug/kg	1.7
1,1,1-Trichloroethane	ND	12	ug/kg	0.69
Carbon tetrachloride	ND	12	ug/kg	0.46
Bromodichloromethane	ND	12	ug/kg	0.35
1,2-Dichloropropane	ND	12	ug/kg	0.85
cis-1,3-Dichloropropene	ND	12	ug/kg	0.42
Trichloroethene	ND	12	ug/kg	0.52
Dibromochloromethane	ND	12	ug/kg	0.68
1,1,2-Trichloroethane	ND	12	ug/kg	0.48
Benzene	ND	12	ug/kg	0.28
trans-1,3-Dichloropropene	ND	12	ug/kg	0.67
Bromoform	ND	12	ug/kg	0.41
4-Methyl-2-pentanone	ND	12	ug/kg	0.67
2-Hexanone	ND	12	ug/kg	0.78
Tetrachloroethene	ND	12	ug/kg	0.64
1,1,2,2-Tetrachloroethane	ND	12	ug/kg	0.42
Toluene	ND	12	ug/kg	0.33
Chlorobenzene	ND	12	ug/kg	0.41
Ethylbenzene	ND	12	ug/kg	0.32
Styrene	ND	12	ug/kg	0.19
Xylenes (total)	ND	12	ug/kg	0.83

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	91	(59 - 138)
1,2-Dichloroethane-d4	86	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	98	(47 - 158)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-008

GC/MS Volatiles

Lot-Sample #...: A9I300149-003 Work Order #...: LLPW21AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-008

GC Volatiles

Lot-Sample #....: A9I300149-003 Work Order #....: LLPW21AC Matrix.....: S0
Date Sampled....: 09/29/09 09:30 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 1.02
% Moisture.....: 13 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	120	ug/kg	33

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	106	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-008

GC Semivolatiles

Lot-Sample #....: A9I300149-003 Work Order #....: LLPW21AD Matrix.....: S0
Date Sampled....: 09/29/09 09:30 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 13 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	12	mg/kg	3.2

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	13	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-008

General Chemistry

Lot-Sample #...: A9I300149-003 Work Order #...: LLPW2 Matrix.....: S0
Date Sampled...: 09/29/09 09:30 Date Received...: 09/30/09
% Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	86.7	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-009

GC/MS Volatiles

Lot-Sample #....: A9I300149-004 Work Order #....: LLPW31AE Matrix.....: S0
 Date Sampled....: 09/29/09 10:00 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 0.96
 % Moisture.....: 19 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	12	ug/kg	0.43
trans-1,2-Dichloroethene	ND	12	ug/kg	0.49
Chloromethane	ND	12	ug/kg	0.49
Bromomethane	ND	12	ug/kg	0.64
Vinyl chloride	ND	12	ug/kg	0.46
Chloroethane	ND	12	ug/kg	1.0
Methylene chloride	3.0 J	12	ug/kg	0.80
Acetone	ND	12	ug/kg	7.5
Carbon disulfide	ND	12	ug/kg	0.52
1,1-Dichloroethene	ND	12	ug/kg	0.62
1,1-Dichloroethane	ND	12	ug/kg	0.43
Chloroform	ND	12	ug/kg	0.34
1,2-Dichloroethane	ND	12	ug/kg	0.40
2-Butanone	ND	12	ug/kg	1.7
1,1,1-Trichloroethane	ND	12	ug/kg	0.67
Carbon tetrachloride	ND	12	ug/kg	0.44
Bromodichloromethane	ND	12	ug/kg	0.33
1,2-Dichloropropane	ND	12	ug/kg	0.82
cis-1,3-Dichloropropene	ND	12	ug/kg	0.40
Trichloroethene	ND	12	ug/kg	0.50
Dibromochloromethane	ND	12	ug/kg	0.65
1,1,2-Trichloroethane	ND	12	ug/kg	0.46
Benzene	ND	12	ug/kg	0.27
trans-1,3-Dichloropropene	ND	12	ug/kg	0.64
Bromoform	ND	12	ug/kg	0.39
4-Methyl-2-pentanone	ND	12	ug/kg	0.64
2-Hexanone	ND	12	ug/kg	0.75
Tetrachloroethene	ND	12	ug/kg	0.62
1,1,2,2-Tetrachloroethane	ND	12	ug/kg	0.40
Toluene	ND	12	ug/kg	0.32
Chlorobenzene	ND	12	ug/kg	0.39
Ethylbenzene	ND	12	ug/kg	0.31
Styrene	ND	12	ug/kg	0.18
Xylenes (total)	ND	12	ug/kg	0.80
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	90		(59 - 138)	
1,2-Dichloroethane-d4	88		(61 - 130)	
Toluene-d8	94		(60 - 143)	
4-Bromofluorobenzene	98		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-009

GC/MS Volatiles

Lot-Sample #...: A9I300149-004 Work Order #...: LLPW31AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-009

GC Volatiles

Lot-Sample #....: A9I300149-004 Work Order #....: LLPW31AC Matrix.....: S0
Date Sampled...: 09/29/09 10:00 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 0.93
% Moisture.....: 19 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	120	ug/kg	32

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	91	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-009

GC Semivolatiles

Lot-Sample #....: A9I300149-004 Work Order #....: LLPW31AD Matrix.....: S0
Date Sampled....: 09/29/09 10:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/06/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 19 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	19	12	mg/kg	3.5

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	22	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-009

General Chemistry

Lot-Sample #...: A9I300149-004 **Work Order #...:** LLPW3 **Matrix.....:** S0
Date Sampled...: 09/29/09 10:00 **Date Received...:** 09/30/09
% Moisture.....: 19

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	80.8	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-010

GC/MS Volatiles

Lot-Sample #....: A9I300149-005 Work Order #....: LLPW41AE Matrix.....: S0
 Date Sampled....: 09/29/09 10:15 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 1.03
 % Moisture.....: 4.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.39
trans-1,2-Dichloroethene	ND	11	ug/kg	0.44
Chloromethane	ND	11	ug/kg	0.44
Bromomethane	ND	11	ug/kg	0.58
Vinyl chloride	ND	11	ug/kg	0.42
Chloroethane	ND	11	ug/kg	0.93
Methylene chloride	4.2 J	11	ug/kg	0.72
Acetone	ND	11	ug/kg	6.8
Carbon disulfide	ND	11	ug/kg	0.47
1,1-Dichloroethene	ND	11	ug/kg	0.56
1,1-Dichloroethane	ND	11	ug/kg	0.39
Chloroform	ND	11	ug/kg	0.31
1,2-Dichloroethane	ND	11	ug/kg	0.37
2-Butanone	ND	11	ug/kg	1.5
1,1,1-Trichloroethane	ND	11	ug/kg	0.60
Carbon tetrachloride	ND	11	ug/kg	0.40
Bromodichloromethane	ND	11	ug/kg	0.30
1,2-Dichloropropane	ND	11	ug/kg	0.74
cis-1,3-Dichloropropene	ND	11	ug/kg	0.37
Trichloroethene	ND	11	ug/kg	0.45
Dibromochloromethane	ND	11	ug/kg	0.59
1,1,2-Trichloroethane	ND	11	ug/kg	0.42
Benzene	ND	11	ug/kg	0.25
trans-1,3-Dichloropropene	ND	11	ug/kg	0.58
Bromoform	ND	11	ug/kg	0.36
4-Methyl-2-pentanone	ND	11	ug/kg	0.58
2-Hexanone	ND	11	ug/kg	0.68
Tetrachloroethene	ND	11	ug/kg	0.56
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.37
Toluene	ND	11	ug/kg	0.29
Chlorobenzene	ND	11	ug/kg	0.36
Ethylbenzene	ND	11	ug/kg	0.28
Styrene	ND	11	ug/kg	0.16
Xylenes (total)	ND	11	ug/kg	0.72
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	90		(59 - 138)	
1,2-Dichloroethane-d4	86		(61 - 130)	
Toluene-d8	92		(60 - 143)	
4-Bromofluorobenzene	96		(47 - 158)	

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-010

GC/MS Volatiles

Lot-Sample #...: A9I300149-005 Work Order #...: LLPW41AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-010

GC Volatiles

Lot-Sample #...: A9I300149-005 Work Order #...: LLPW41AC Matrix.....: S0
Date Sampled...: 09/29/09 10:15 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #...: 9279090
Dilution Factor: 1.1
% Moisture.....: 4.3 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	32

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	104	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-010

GC Semivolatiles

Lot-Sample #....: A9I300149-005 Work Order #....: LLPW41AD Matrix.....: S0
Date Sampled...: 09/29/09 10:15 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 4.3 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	10	mg/kg	2.9

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	29	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-010

General Chemistry

Lot-Sample #...: A9I300149-005 **Work Order #...:** LLPW4 **Matrix.....:** S0
Date Sampled...: 09/29/09 10:15 **Date Received...:** 09/30/09
% Moisture.....: 4.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-011

GC/MS Volatiles

Lot-Sample #....: A9I300149-006 Work Order #....: LLPW71AE Matrix.....: S0
 Date Sampled....: 09/29/09 10:50 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 0.93
 % Moisture.....: 19 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.41
trans-1,2-Dichloroethene	ND	11	ug/kg	0.47
Chloromethane	ND	11	ug/kg	0.47
Bromomethane	ND	11	ug/kg	0.62
Vinyl chloride	ND	11	ug/kg	0.45
Chloroethane	ND	11	ug/kg	0.99
Methylene chloride	1.5 J	11	ug/kg	0.77
Acetone	ND	11	ug/kg	7.2
Carbon disulfide	ND	11	ug/kg	0.50
1,1-Dichloroethene	ND	11	ug/kg	0.60
1,1-Dichloroethane	ND	11	ug/kg	0.41
Chloroform	ND	11	ug/kg	0.33
1,2-Dichloroethane	ND	11	ug/kg	0.39
2-Butanone	ND	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.64
Carbon tetrachloride	ND	11	ug/kg	0.42
Bromodichloromethane	ND	11	ug/kg	0.32
1,2-Dichloropropane	ND	11	ug/kg	0.79
cis-1,3-Dichloropropene	ND	11	ug/kg	0.39
Trichloroethene	ND	11	ug/kg	0.48
Dibromochloromethane	ND	11	ug/kg	0.63
1,1,2-Trichloroethane	ND	11	ug/kg	0.45
Benzene	ND	11	ug/kg	0.26
trans-1,3-Dichloropropene	ND	11	ug/kg	0.62
Bromoform	ND	11	ug/kg	0.38
4-Methyl-2-pentanone	ND	11	ug/kg	0.62
2-Hexanone	ND	11	ug/kg	0.72
Tetrachloroethene	ND	11	ug/kg	0.60
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.39
Toluene	ND	11	ug/kg	0.31
Chlorobenzene	ND	11	ug/kg	0.38
Ethylbenzene	ND	11	ug/kg	0.30
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.77
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	93		(59 - 138)	
1,2-Dichloroethane-d4	89		(61 - 130)	
Toluene-d8	93		(60 - 143)	
4-Bromofluorobenzene	99		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-011

GC/MS Volatiles

Lot-Sample #...: A9I300149-006 Work Order #...: LLPW71AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-011

GC Volatiles

Lot-Sample #....: A9I300149-006 Work Order #....: LLPW71AC Matrix.....: S0
Date Sampled....: 09/29/09 10:50 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 1
% Moisture.....: 19 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	120	ug/kg	35

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	94	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-011

GC Semivolatiles

Lot-Sample #....: A9I300149-006 Work Order #....: LLPW71AD Matrix.....: S0
Date Sampled....: 09/29/09 10:50 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 19 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	6.4 J	12	mg/kg	3.5

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	24	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-011

General Chemistry

Lot-Sample #...: A9I300149-006 **Work Order #...:** LLPW7 **Matrix.....:** S0
Date Sampled...: 09/29/09 10:50 **Date Received...:** 09/30/09
% Moisture.....: 19

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	81.1	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-012

GC/MS Volatiles

Lot-Sample #....: A9I300149-007 Work Order #....: LLPW81AE Matrix.....: S0
 Date Sampled....: 09/29/09 11:00 Date Received...: 09/30/09
 Prep Date.....: 09/30/09 Analysis Date...: 10/01/09
 Prep Batch #....: 9274348
 Dilution Factor: 10.59
 % Moisture.....: 3.2 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5500	ug/kg	1100
Benzene	120 J	5500	ug/kg	70
Bromodichloromethane	ND	5500	ug/kg	130
Bromoform	ND	5500	ug/kg	140
Bromomethane	ND	5500	ug/kg	270
2-Butanone	ND	5500	ug/kg	540
Carbon disulfide	ND	5500	ug/kg	220
Carbon tetrachloride	ND	5500	ug/kg	130
Chlorobenzene	ND	5500	ug/kg	69
Dibromochloromethane	ND	5500	ug/kg	76
Chloroethane	ND	5500	ug/kg	710
Chloroform	ND	5500	ug/kg	130
Chloromethane	ND	5500	ug/kg	57
1,1-Dichloroethane	ND	5500	ug/kg	80
1,2-Dichloroethane	ND	5500	ug/kg	100
1,1-Dichloroethene	ND	5500	ug/kg	91
cis-1,2-Dichloroethene	ND	5500	ug/kg	150
trans-1,2-Dichloroethene	ND	5500	ug/kg	120
1,2-Dichloropropane	ND	5500	ug/kg	81
cis-1,3-Dichloropropene	ND	5500	ug/kg	60
trans-1,3-Dichloropropene	ND	5500	ug/kg	59
Ethylbenzene	1300 J	5500	ug/kg	74
2-Hexanone	ND	5500	ug/kg	260
Methylene chloride	3700 J	5500	ug/kg	1100
4-Methyl-2-pentanone	ND	5500	ug/kg	120
Styrene	ND	5500	ug/kg	310
1,1,2,2-Tetrachloroethane	ND	5500	ug/kg	90
Tetrachloroethene	ND	5500	ug/kg	98
Toluene	ND	5500	ug/kg	100
1,1,1-Trichloroethane	ND	5500	ug/kg	100
1,1,2-Trichloroethane	ND	5500	ug/kg	110
Trichloroethene	ND	5500	ug/kg	130
Vinyl chloride	ND	5500	ug/kg	180
Xylenes (total)	380 J	5500	ug/kg	160

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97 DIL	(59 - 138)
1,2-Dichloroethane-d4	108 DIL	(61 - 130)
Toluene-d8	91 DIL	(60 - 143)
4-Bromofluorobenzene	105 DIL	(47 - 158)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-012

GC/MS Volatiles

Lot-Sample #...: A9I300149-007 Work Order #...: LLPW81AE Matrix.....: S0

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-012

GC Volatiles

Lot-Sample #....: A9I300149-007 Work Order #....: LLPW81AC Matrix.....: S0
Date Sampled....: 09/29/09 11:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9278089
Dilution Factor: 10
% Moisture.....: 3.2 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	76000 B	52000	ug/kg	18000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	143 DIL	(10 - 150)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-012

GC Semivolatiles

Lot-Sample #....: A9I300149-007 Work Order #....: LLPW81AD Matrix.....: S0
Date Sampled....: 09/29/09 11:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/06/09
Prep Batch #....: 9274322
Dilution Factor: 250
% Moisture.....: 3.2 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	12000	2600	mg/kg	720

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	39 DIL	(10 - 110)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-012

General Chemistry

Lot-Sample #...: A9I300149-007 **Work Order #...:** LLPW8 **Matrix.....:** S0
Date Sampled...: 09/29/09 11:00 **Date Received...:** 09/30/09
% Moisture.....: 3.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.8	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-013

GC/MS Volatiles

Lot-Sample #....: A9I300149-008 Work Order #....: LLPW91AE Matrix.....: S0
 Date Sampled....: 09/29/09 11:25 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 0.96
 % Moisture.....: 16 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.41
trans-1,2-Dichloroethene	ND	11	ug/kg	0.47
Chloromethane	ND	11	ug/kg	0.47
Bromomethane	ND	11	ug/kg	0.62
Vinyl chloride	ND	11	ug/kg	0.45
Chloroethane	ND	11	ug/kg	0.98
Methylene chloride	6.6 J	11	ug/kg	0.77
Acetone	ND	11	ug/kg	7.2
Carbon disulfide	ND	11	ug/kg	0.50
1,1-Dichloroethene	ND	11	ug/kg	0.59
1,1-Dichloroethane	ND	11	ug/kg	0.41
Chloroform	ND	11	ug/kg	0.33
1,2-Dichloroethane	ND	11	ug/kg	0.39
2-Butanone	ND	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.64
Carbon tetrachloride	ND	11	ug/kg	0.42
Bromodichloromethane	ND	11	ug/kg	0.32
1,2-Dichloropropane	ND	11	ug/kg	0.79
cis-1,3-Dichloropropene	ND	11	ug/kg	0.39
Trichloroethene	ND	11	ug/kg	0.48
Dibromochloromethane	ND	11	ug/kg	0.63
1,1,2-Trichloroethane	ND	11	ug/kg	0.45
Benzene	ND	11	ug/kg	0.26
trans-1,3-Dichloropropene	ND	11	ug/kg	0.62
Bromoform	ND	11	ug/kg	0.38
4-Methyl-2-pentanone	ND	11	ug/kg	0.62
2-Hexanone	ND	11	ug/kg	0.72
Tetrachloroethene	ND	11	ug/kg	0.59
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.39
Toluene	ND	11	ug/kg	0.31
Chlorobenzene	ND	11	ug/kg	0.38
Ethylbenzene	ND	11	ug/kg	0.30
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.77
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	91	(59 - 138)		
1,2-Dichloroethane-d4	84	(61 - 130)		
Toluene-d8	93	(60 - 143)		
4-Bromofluorobenzene	94	(47 - 158)		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-013

GC/MS Volatiles

Lot-Sample #...: A9I300149-008 Work Order #...: LLPW91AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-013

GC Volatiles

Lot-Sample #....: A9I300149-008 Work Order #....: LLPW91AC Matrix.....: S0
Date Sampled...: 09/29/09 11:25 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 0.93
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	31

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	88	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-013

GC Semivolatiles

Lot-Sample #....: A9I300149-008 Work Order #....: LLPW91AD Matrix.....: S0
Date Sampled....: 09/29/09 11:25 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	3.7 J	12	mg/kg	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	26	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-013

General Chemistry

Lot-Sample #...: A9I300149-008 **Work Order #...:** LLPW9 **Matrix.....:** S0
Date Sampled...: 09/29/09 11:25 **Date Received...:** 09/30/09
% Moisture.....: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	84.0	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-014

GC/MS Volatiles

Lot-Sample #....: A9I300149-009 Work Order #....: LLPXA1AE Matrix.....: S0
 Date Sampled....: 09/29/09 11:40 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 1.08
 % Moisture.....: 9.7 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	12	ug/kg	0.43
trans-1,2-Dichloroethene	ND	12	ug/kg	0.49
Chloromethane	ND	12	ug/kg	0.49
Bromomethane	ND	12	ug/kg	0.65
Vinyl chloride	ND	12	ug/kg	0.47
Chloroethane	ND	12	ug/kg	1.0
Methylene chloride	9.7 J	12	ug/kg	0.80
Acetone	16	12	ug/kg	7.5
Carbon disulfide	ND	12	ug/kg	0.53
1,1-Dichloroethene	ND	12	ug/kg	0.62
1,1-Dichloroethane	ND	12	ug/kg	0.43
Chloroform	ND	12	ug/kg	0.35
1,2-Dichloroethane	ND	12	ug/kg	0.41
2-Butanone	2.4 J	12	ug/kg	1.7
1,1,1-Trichloroethane	ND	12	ug/kg	0.67
Carbon tetrachloride	ND	12	ug/kg	0.44
Bromodichloromethane	ND	12	ug/kg	0.34
1,2-Dichloropropane	ND	12	ug/kg	0.83
cis-1,3-Dichloropropene	ND	12	ug/kg	0.41
Trichloroethene	ND	12	ug/kg	0.50
Dibromochloromethane	ND	12	ug/kg	0.66
1,1,2-Trichloroethane	ND	12	ug/kg	0.47
Benzene	ND	12	ug/kg	0.28
trans-1,3-Dichloropropene	ND	12	ug/kg	0.65
Bromoform	ND	12	ug/kg	0.39
4-Methyl-2-pentanone	ND	12	ug/kg	0.65
2-Hexanone	ND	12	ug/kg	0.75
Tetrachloroethene	ND	12	ug/kg	0.62
1,1,2,2-Tetrachloroethane	ND	12	ug/kg	0.41
Toluene	ND	12	ug/kg	0.32
Chlorobenzene	ND	12	ug/kg	0.39
Ethylbenzene	ND	12	ug/kg	0.31
Styrene	ND	12	ug/kg	0.18
Xylenes (total)	ND	12	ug/kg	0.80
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	91		(59 - 138)	
1,2-Dichloroethane-d4	85		(61 - 130)	
Toluene-d8	95		(60 - 143)	
4-Bromofluorobenzene	97		(47 - 158)	

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-014

GC/MS Volatiles

Lot-Sample #...: A9I300149-009 Work Order #...: LLPXA1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-014

GC Volatiles

Lot-Sample #....: A9I300149-009 Work Order #....: LLPXA1AC Matrix.....: S0
Date Sampled...: 09/29/09 11:40 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 1.02
% Moisture.....: 9.7 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	32

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	82	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-014

GC Semivolatiles

Lot-Sample #....: A9I300149-009 Work Order #....: LLPXA1AD Matrix.....: S0
Date Sampled....: 09/29/09 11:40 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 9.7 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	8.7 J	11	mg/kg	3.1

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	25	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-014

General Chemistry

Lot-Sample #...: A9I300149-009 Work Order #...: LLPXA Matrix.....: S0
Date Sampled...: 09/29/09 11:40 Date Received...: 09/30/09
% Moisture.....: 9.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	90.3	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-015

GC/MS Volatiles

Lot-Sample #....: A9I300149-010 Work Order #....: LLPXC1AE Matrix.....: S0
 Date Sampled....: 09/29/09 12:00 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 1.03
 % Moisture.....: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	13	ug/kg	0.46
trans-1,2-Dichloroethene	ND	13	ug/kg	0.52
Chloromethane	ND	13	ug/kg	0.52
Bromomethane	ND	13	ug/kg	0.69
Vinyl chloride	ND	13	ug/kg	0.50
Chloroethane	ND	13	ug/kg	1.1
Methylene chloride	6.5 J	13	ug/kg	0.86
Acetone	35	13	ug/kg	8.1
Carbon disulfide	ND	13	ug/kg	0.56
1,1-Dichloroethene	ND	13	ug/kg	0.67
1,1-Dichloroethane	ND	13	ug/kg	0.46
Chloroform	ND	13	ug/kg	0.37
1,2-Dichloroethane	ND	13	ug/kg	0.44
2-Butanone	7.0 J	13	ug/kg	1.8
1,1,1-Trichloroethane	ND	13	ug/kg	0.72
Carbon tetrachloride	ND	13	ug/kg	0.47
Bromodichloromethane	ND	13	ug/kg	0.36
1,2-Dichloropropane	ND	13	ug/kg	0.88
cis-1,3-Dichloropropene	ND	13	ug/kg	0.44
Trichloroethene	ND	13	ug/kg	0.54
Dibromochloromethane	ND	13	ug/kg	0.70
1,1,2-Trichloroethane	ND	13	ug/kg	0.50
Benzene	0.82 J	13	ug/kg	0.29
trans-1,3-Dichloropropene	ND	13	ug/kg	0.69
Bromoform	ND	13	ug/kg	0.42
4-Methyl-2-pentanone	ND	13	ug/kg	0.69
2-Hexanone	ND	13	ug/kg	0.81
Tetrachloroethene	ND	13	ug/kg	0.67
1,1,2,2-Tetrachloroethane	ND	13	ug/kg	0.44
Toluene	ND	13	ug/kg	0.35
Chlorobenzene	ND	13	ug/kg	0.42
Ethylbenzene	5.1 J	13	ug/kg	0.33
Styrene	ND	13	ug/kg	0.19
Xylenes (total)	3.7 J	13	ug/kg	0.86

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(59 - 138)
1,2-Dichloroethane-d4	87	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	78	(47 - 158)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-015

GC/MS Volatiles

Lot-Sample #...: A9I300149-010 Work Order #...: LLPXC1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-015

GC Volatiles

Lot-Sample #....: A9I300149-010 Work Order #....: LLPXC1AC Matrix.....: S0
Date Sampled....: 09/29/09 12:00 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 0.94
% Moisture.....: 20 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	85 J	120	ug/kg	33

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	96	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-015

GC Semivolatiles

Lot-Sample #...: A9I300149-010 Work Order #...: LLPXC1AD Matrix.....: S0
Date Sampled...: 09/29/09 12:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #...: 9274322
Dilution Factor: 1
% Moisture.....: 20 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	54	12	mg/kg	3.5

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	25	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-015

General Chemistry

Lot-Sample #...: A9I300149-010 Work Order #...: LLPXC Matrix.....: S0
Date Sampled...: 09/29/09 12:00 Date Received...: 09/30/09
% Moisture.....: 20

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	80.5	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-016

GC/MS Volatiles

Lot-Sample #....: A9I300149-011 Work Order #....: LLPXD1AE Matrix.....: S0
 Date Sampled....: 09/29/09 12:15 Date Received...: 09/30/09
 Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9274348
 Dilution Factor: 6.92
 % Moisture.....: 6.6 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	3700	ug/kg	730
Benzene	78 J	3700	ug/kg	47
Bromodichloromethane	ND	3700	ug/kg	89
Bromoform	ND	3700	ug/kg	96
Bromomethane	ND	3700	ug/kg	190
2-Butanone	ND	3700	ug/kg	360
Carbon disulfide	ND	3700	ug/kg	150
Carbon tetrachloride	ND	3700	ug/kg	89
Chlorobenzene	ND	3700	ug/kg	47
Dibromochloromethane	ND	3700	ug/kg	51
Chloroethane	ND	3700	ug/kg	480
Chloroform	ND	3700	ug/kg	89
Chloromethane	ND	3700	ug/kg	39
1,1-Dichloroethane	ND	3700	ug/kg	54
1,2-Dichloroethane	ND	3700	ug/kg	69
1,1-Dichloroethene	ND	3700	ug/kg	62
cis-1,2-Dichloroethene	ND	3700	ug/kg	100
trans-1,2-Dichloroethene	ND	3700	ug/kg	82
1,2-Dichloropropane	ND	3700	ug/kg	55
cis-1,3-Dichloropropene	ND	3700	ug/kg	41
trans-1,3-Dichloropropene	ND	3700	ug/kg	40
Ethylbenzene	1400 J	3700	ug/kg	50
2-Hexanone	ND	3700	ug/kg	180
Methylene chloride	2400 J	3700	ug/kg	730
4-Methyl-2-pentanone	ND	3700	ug/kg	82
Styrene	ND	3700	ug/kg	210
1,1,2,2-Tetrachloroethane	ND	3700	ug/kg	61
Tetrachloroethene	ND	3700	ug/kg	67
Toluene	150 J, B	3700	ug/kg	67
1,1,1-Trichloroethane	ND	3700	ug/kg	70
1,1,2-Trichloroethane	ND	3700	ug/kg	73
Trichloroethene	ND	3700	ug/kg	89
Vinyl chloride	ND	3700	ug/kg	120
Xylenes (total)	180 J	3700	ug/kg	110
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	97 DIL	(59 - 138)		
1,2-Dichloroethane-d4	104 DIL	(61 - 130)		
Toluene-d8	102 DIL	(60 - 143)		
4-Bromofluorobenzene	109 DIL	(47 - 158)		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-016

GC/MS Volatiles

Lot-Sample #...: A9I300149-011 Work Order #...: LLPXD1AE Matrix.....: S0

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

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: S-092909-JH-016

GC Volatiles

Lot-Sample #....: A9I300149-011 Work Order #....: LLPXD1AC Matrix.....: S0
Date Sampled....: 09/29/09 12:15 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9278089
Dilution Factor: 10
% Moisture.....: 6.6 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	120000 B	54000	ug/kg	18000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	127 DIL	(10 - 150)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-016

GC Semivolatiles

Lot-Sample #....: A9I300149-011 Work Order #....: LLPXD1AD Matrix.....: S0
Date Sampled...: 09/29/09 12:15 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 500
% Moisture.....: 6.6 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	14000	5400	mg/kg	1500

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	37 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-016

General Chemistry

Lot-Sample #...: A9I300149-011 Work Order #...: LLPXD Matrix.....: S0
Date Sampled...: 09/29/09 12:15 Date Received...: 09/30/09
% Moisture.....: 6.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	93.4	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-017

GC/MS Volatiles

Lot-Sample #....: A9I300149-012 Work Order #....: LLPXE1AE Matrix.....: S0
 Date Sampled....: 09/29/09 13:10 Date Received...: 09/30/09
 Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9274348
 Dilution Factor: 1.83
 % Moisture.....: 16 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	220
Benzene	ND	1100	ug/kg	14
Bromodichloromethane	ND	1100	ug/kg	26
Bromoform	ND	1100	ug/kg	28
Bromomethane	ND	1100	ug/kg	55
2-Butanone	190 J, B	1100	ug/kg	110
Carbon disulfide	ND	1100	ug/kg	44
Carbon tetrachloride	ND	1100	ug/kg	26
Chlorobenzene	ND	1100	ug/kg	14
Dibromochloromethane	ND	1100	ug/kg	15
Chloroethane	ND	1100	ug/kg	140
Chloroform	ND	1100	ug/kg	26
Chloromethane	ND	1100	ug/kg	11
1,1-Dichloroethane	ND	1100	ug/kg	16
1,2-Dichloroethane	ND	1100	ug/kg	20
1,1-Dichloroethene	ND	1100	ug/kg	18
cis-1,2-Dichloroethene	ND	1100	ug/kg	31
trans-1,2-Dichloroethene	ND	1100	ug/kg	24
1,2-Dichloropropane	ND	1100	ug/kg	16
cis-1,3-Dichloropropene	ND	1100	ug/kg	12
trans-1,3-Dichloropropene	ND	1100	ug/kg	12
Ethylbenzene	310 J	1100	ug/kg	15
2-Hexanone	ND	1100	ug/kg	52
Methylene chloride	680 J	1100	ug/kg	220
4-Methyl-2-pentanone	ND	1100	ug/kg	24
Styrene	ND	1100	ug/kg	61
1,1,2,2-Tetrachloroethane	ND	1100	ug/kg	18
Tetrachloroethene	ND	1100	ug/kg	20
Toluene	28 J, B	1100	ug/kg	20
1,1,1-Trichloroethane	ND	1100	ug/kg	21
1,1,2-Trichloroethane	ND	1100	ug/kg	22
Trichloroethene	ND	1100	ug/kg	26
Vinyl chloride	ND	1100	ug/kg	35
Xylenes (total)	150 J	1100	ug/kg	33
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	87 DIL	(59 - 138)		
1,2-Dichloroethane-d4	94 DIL	(61 - 130)		
Toluene-d8	84 DIL	(60 - 143)		
4-Bromofluorobenzene	88 DIL	(47 - 158)		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-017

GC/MS Volatiles

Lot-Sample #...: A9I300149-012 Work Order #...: LLPXE1AE Matrix.....: S0

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

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: S-092909-JH-017

GC Volatiles

Lot-Sample #....: A9I300149-012 Work Order #....: LLPXE1AC Matrix.....: S0
Date Sampled....: 09/29/09 13:10 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9278089
Dilution Factor: 10
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	78000 B	60000	ug/kg	20000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	135 DIL	(10 - 150)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-017

GC Semivolatiles

Lot-Sample #....: A9I300149-012 Work Order #....: LLPXE1AD Matrix.....: S0
Date Sampled....: 09/29/09 13:10 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 500
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	8900	6000	mg/kg	1700

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	41 DIL	(10 - 110)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-017

General Chemistry

Lot-Sample #...: A9I300149-012 Work Order #...: LLPXE Matrix.....: S0
Date Sampled...: 09/29/09 13:10 Date Received...: 09/30/09
% Moisture.....: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	83.7	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-018

GC/MS Volatiles

Lot-Sample #....: A9I300149-013 Work Order #....: LLPXF1AE Matrix.....: S0
 Date Sampled....: 09/29/09 13:20 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 1.06
 % Moisture.....: 21 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	13	ug/kg	0.48
trans-1,2-Dichloroethene	ND	13	ug/kg	0.55
Chloromethane	ND	13	ug/kg	0.55
Bromomethane	ND	13	ug/kg	0.72
Vinyl chloride	ND	13	ug/kg	0.52
Chloroethane	ND	13	ug/kg	1.1
Methylene chloride	7.9 J	13	ug/kg	0.89
Acetone	36	13	ug/kg	8.4
Carbon disulfide	ND	13	ug/kg	0.59
1,1-Dichloroethene	ND	13	ug/kg	0.69
1,1-Dichloroethane	ND	13	ug/kg	0.48
Chloroform	ND	13	ug/kg	0.39
1,2-Dichloroethane	ND	13	ug/kg	0.45
2-Butanone	6.5 J	13	ug/kg	1.9
1,1,1-Trichloroethane	ND	13	ug/kg	0.75
Carbon tetrachloride	ND	13	ug/kg	0.49
Bromodichloromethane	ND	13	ug/kg	0.37
1,2-Dichloropropane	ND	13	ug/kg	0.92
cis-1,3-Dichloropropene	ND	13	ug/kg	0.45
Trichloroethene	ND	13	ug/kg	0.56
Dibromochloromethane	ND	13	ug/kg	0.73
1,1,2-Trichloroethane	ND	13	ug/kg	0.52
Benzene	3.1 J	13	ug/kg	0.31
trans-1,3-Dichloropropene	ND	13	ug/kg	0.72
Bromoform	ND	13	ug/kg	0.44
4-Methyl-2-pentanone	ND	13	ug/kg	0.72
2-Hexanone	ND	13	ug/kg	0.84
Tetrachloroethene	ND	13	ug/kg	0.69
1,1,2,2-Tetrachloroethane	ND	13	ug/kg	0.45
Toluene	ND	13	ug/kg	0.36
Chlorobenzene	ND	13	ug/kg	0.44
Ethylbenzene	2.2 J	13	ug/kg	0.35
Styrene	ND	13	ug/kg	0.20
Xylenes (total)	ND	13	ug/kg	0.89

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(59 - 138)
1,2-Dichloroethane-d4	83	(61 - 130)
Toluene-d8	94	(60 - 143)
4-Bromofluorobenzene	102	(47 - 158)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-018

GC/MS Volatiles

Lot-Sample #...: A9I300149-013 Work Order #...: LLPXF1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-018

GC Volatiles

Lot-Sample #...: A9I300149-013 Work Order #...: LLPXF1AC Matrix.....: S0
Date Sampled...: 09/29/09 13:20 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #...: 9279090
Dilution Factor: 0.93
% Moisture.....: 21 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	170	120	ug/kg	33

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	90	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-018

GC Semivolatiles

Lot-Sample #....: A9I300149-013 Work Order #....: LLPXF1AD Matrix.....: S0
Date Sampled....: 09/29/09 13:20 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 21 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	31	13	mg/kg	3.5

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	26	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-018

General Chemistry

Lot-Sample #...: A9I300149-013 **Work Order #...:** LLPXF **Matrix.....:** S0
Date Sampled...: 09/29/09 13:20 **Date Received...:** 09/30/09
% Moisture.....: 21

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	79.4	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-019

GC/MS Volatiles

Lot-Sample #....: A9I300149-014 Work Order #....: LLPXG1AE Matrix.....: S0
 Date Sampled....: 09/29/09 14:00 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 0.94
 % Moisture.....: 16 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.40
trans-1,2-Dichloroethene	ND	11	ug/kg	0.46
Chloromethane	ND	11	ug/kg	0.46
Bromomethane	ND	11	ug/kg	0.60
Vinyl chloride	ND	11	ug/kg	0.43
Chloroethane	ND	11	ug/kg	0.96
Methylene chloride	4.7 J	11	ug/kg	0.75
Acetone	ND	11	ug/kg	7.0
Carbon disulfide	ND	11	ug/kg	0.49
1,1-Dichloroethene	ND	11	ug/kg	0.58
1,1-Dichloroethane	ND	11	ug/kg	0.40
Chloroform	ND	11	ug/kg	0.32
1,2-Dichloroethane	ND	11	ug/kg	0.38
2-Butanone	ND	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.62
Carbon tetrachloride	ND	11	ug/kg	0.41
Bromodichloromethane	ND	11	ug/kg	0.31
1,2-Dichloropropane	ND	11	ug/kg	0.77
cis-1,3-Dichloropropene	ND	11	ug/kg	0.38
Trichloroethene	ND	11	ug/kg	0.47
Dibromochloromethane	ND	11	ug/kg	0.61
1,1,2-Trichloroethane	ND	11	ug/kg	0.43
Benzene	ND	11	ug/kg	0.26
trans-1,3-Dichloropropene	ND	11	ug/kg	0.60
Bromoform	ND	11	ug/kg	0.37
4-Methyl-2-pentanone	ND	11	ug/kg	0.60
2-Hexanone	ND	11	ug/kg	0.70
Tetrachloroethene	ND	11	ug/kg	0.58
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.38
Toluene	0.32 J	11	ug/kg	0.30
Chlorobenzene	ND	11	ug/kg	0.37
Ethylbenzene	ND	11	ug/kg	0.29
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(59 - 138)
1,2-Dichloroethane-d4	82	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	94	(47 - 158)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-019

GC/MS Volatiles

Lot-Sample #...: A9I300149-014 Work Order #...: LLPXG1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-019

GC Volatiles

Lot-Sample #....: A9I300149-014 Work Order #....: LLPXG1AC Matrix.....: S0
Date Sampled....: 09/29/09 14:00 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 0.89
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	110	ug/kg	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	83	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-019

GC Semivolatiles

Lot-Sample #....: A9I300149-014 Work Order #....: LLPXG1AD Matrix.....: S0
Date Sampled....: 09/29/09 14:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 20
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	850	240	mg/kg	66

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	24 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-019

General Chemistry

Lot-Sample #... A9I300149-014 **Work Order #...** LLPXG **Matrix.....** S0
Date Sampled... 09/29/09 14:00 **Date Received...** 09/30/09
% Moisture..... 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	84.3	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-020

GC/MS Volatiles

Lot-Sample #....: A9I300149-015 Work Order #....: LLPXH1AE Matrix.....: S0
 Date Sampled....: 09/29/09 14:15 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 1.12
 % Moisture.....: 12 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	13	ug/kg	0.46
trans-1,2-Dichloroethene	ND	13	ug/kg	0.52
Chloromethane	ND	13	ug/kg	0.52
Bromomethane	ND	13	ug/kg	0.69
Vinyl chloride	ND	13	ug/kg	0.50
Chloroethane	ND	13	ug/kg	1.1
Methylene chloride	5.1 J	13	ug/kg	0.86
Acetone	ND	13	ug/kg	8.0
Carbon disulfide	ND	13	ug/kg	0.56
1,1-Dichloroethene	ND	13	ug/kg	0.66
1,1-Dichloroethane	ND	13	ug/kg	0.46
Chloroform	ND	13	ug/kg	0.37
1,2-Dichloroethane	ND	13	ug/kg	0.43
2-Butanone	ND	13	ug/kg	1.8
1,1,1-Trichloroethane	ND	13	ug/kg	0.72
Carbon tetrachloride	ND	13	ug/kg	0.47
Bromodichloromethane	ND	13	ug/kg	0.36
1,2-Dichloropropane	ND	13	ug/kg	0.88
cis-1,3-Dichloropropene	ND	13	ug/kg	0.43
Trichloroethene	ND	13	ug/kg	0.54
Dibromochloromethane	ND	13	ug/kg	0.70
1,1,2-Trichloroethane	ND	13	ug/kg	0.50
Benzene	ND	13	ug/kg	0.29
trans-1,3-Dichloropropene	ND	13	ug/kg	0.69
Bromoform	ND	13	ug/kg	0.42
4-Methyl-2-pentanone	ND	13	ug/kg	0.69
2-Hexanone	ND	13	ug/kg	0.80
Tetrachloroethene	ND	13	ug/kg	0.66
1,1,2,2-Tetrachloroethane	ND	13	ug/kg	0.43
Toluene	ND	13	ug/kg	0.34
Chlorobenzene	ND	13	ug/kg	0.42
Ethylbenzene	ND	13	ug/kg	0.33
Styrene	ND	13	ug/kg	0.19
Xylenes (total)	ND	13	ug/kg	0.86

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(59 - 138)
1,2-Dichloroethane-d4	84	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	100	(47 - 158)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-020

GC/MS Volatiles

Lot-Sample #...: A9I300149-015 Work Order #...: LLPXH1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-020

GC Volatiles

Lot-Sample #....: A9I300149-015 Work Order #....: LLPXH1AC Matrix.....: S0
Date Sampled....: 09/29/09 14:15 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 1.14
% Moisture.....: 12 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	130	ug/kg	36

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	100	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-020

GC Semivolatiles

Lot-Sample #...: A9I300149-015 Work Order #...: LLPXH1AD Matrix.....: S0
Date Sampled...: 09/29/09 14:15 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
Prep Batch #...: 9274322
Dilution Factor: 1
% Moisture.....: 12 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	11	mg/kg	3.2

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	24	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-020

General Chemistry

Lot-Sample #...: A9I300149-015 Work Order #...: LLPXH Matrix.....: S0
Date Sampled...: 09/29/09 14:15 Date Received...: 09/30/09
% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	87.7	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-021

GC/MS Volatiles

Lot-Sample #....: A9I300149-016 Work Order #....: LLPXJ1AE Matrix.....: S0
 Date Sampled....: 09/29/09 14:30 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278432
 Dilution Factor: 0.93
 % Moisture.....: 17 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.40
trans-1,2-Dichloroethene	ND	11	ug/kg	0.46
Chloromethane	ND	11	ug/kg	0.46
Bromomethane	ND	11	ug/kg	0.61
Vinyl chloride	ND	11	ug/kg	0.44
Chloroethane	ND	11	ug/kg	0.96
Methylene chloride	4.7 J	11	ug/kg	0.75
Acetone	15	11	ug/kg	7.1
Carbon disulfide	ND	11	ug/kg	0.49
1,1-Dichloroethene	ND	11	ug/kg	0.58
1,1-Dichloroethane	ND	11	ug/kg	0.40
Chloroform	ND	11	ug/kg	0.32
1,2-Dichloroethane	ND	11	ug/kg	0.38
2-Butanone	3.7 J	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.63
Carbon tetrachloride	ND	11	ug/kg	0.41
Bromodichloromethane	ND	11	ug/kg	0.31
1,2-Dichloropropane	ND	11	ug/kg	0.77
cis-1,3-Dichloropropene	ND	11	ug/kg	0.38
Trichloroethene	ND	11	ug/kg	0.47
Dibromochloromethane	ND	11	ug/kg	0.62
1,1,2-Trichloroethane	ND	11	ug/kg	0.44
Benzene	ND	11	ug/kg	0.26
trans-1,3-Dichloropropene	ND	11	ug/kg	0.61
Bromoform	ND	11	ug/kg	0.37
4-Methyl-2-pentanone	ND	11	ug/kg	0.61
2-Hexanone	ND	11	ug/kg	0.71
Tetrachloroethene	ND	11	ug/kg	0.58
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.38
Toluene	ND	11	ug/kg	0.30
Chlorobenzene	ND	11	ug/kg	0.37
Ethylbenzene	ND	11	ug/kg	0.29
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.75
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	90	(59 - 138)		
1,2-Dichloroethane-d4	82	(61 - 130)		
Toluene-d8	93	(60 - 143)		
4-Bromofluorobenzene	95	(47 - 158)		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-021

GC/MS Volatiles

Lot-Sample #...: A9I300149-016 Work Order #...: LLPXJ1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-021

GC Volatiles

Lot-Sample #....: A9I300149-016 Work Order #....: LLPXJ1AC Matrix.....: S0
Date Sampled....: 09/29/09 14:30 Date Received...: 09/30/09
Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
Prep Batch #....: 9279090
Dilution Factor: 1.02
% Moisture.....: 17 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	120	ug/kg	34

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	81	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-021

GC Semivolatiles

Lot-Sample #....: A9I300149-016 Work Order #....: LLPXJ1AD Matrix.....: S0
Date Sampled....: 09/29/09 14:30 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 17 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	6.7 J	12	mg/kg	3.4

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	19	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-021

General Chemistry

Lot-Sample #...: A9I300149-016 **Work Order #...:** LLPXJ **Matrix.....:** S0
Date Sampled...: 09/29/09 14:30 **Date Received...:** 09/30/09
% Moisture.....: 17

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	83.0	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-022

GC/MS Volatiles

Lot-Sample #....: A9I300149-017 Work Order #....: LLPXK1AE Matrix.....: S0
 Date Sampled....: 09/29/09 14:45 Date Received...: 09/30/09
 Prep Date.....: 09/30/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9274348
 Dilution Factor: 49.6
 % Moisture.....: 22 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	32000	ug/kg	6300
Benzene	ND	32000	ug/kg	410
Bromodichloromethane	ND	32000	ug/kg	760
Bromoform	ND	32000	ug/kg	830
Bromomethane	ND	32000	ug/kg	1600
2-Butanone	ND	32000	ug/kg	3100
Carbon disulfide	ND	32000	ug/kg	1300
Carbon tetrachloride	ND	32000	ug/kg	760
Chlorobenzene	ND	32000	ug/kg	400
Dibromochloromethane	ND	32000	ug/kg	440
Chloroethane	ND	32000	ug/kg	4100
Chloroform	ND	32000	ug/kg	760
Chloromethane	ND	32000	ug/kg	330
1,1-Dichloroethane	ND	32000	ug/kg	460
1,2-Dichloroethane	ND	32000	ug/kg	590
1,1-Dichloroethene	ND	32000	ug/kg	530
cis-1,2-Dichloroethene	ND	32000	ug/kg	890
trans-1,2-Dichloroethene	ND	32000	ug/kg	700
1,2-Dichloropropane	ND	32000	ug/kg	470
cis-1,3-Dichloropropene	ND	32000	ug/kg	350
trans-1,3-Dichloropropene	ND	32000	ug/kg	340
Ethylbenzene	5500 J	32000	ug/kg	430
2-Hexanone	ND	32000	ug/kg	1500
Methylene chloride	25000 J	32000	ug/kg	6300
4-Methyl-2-pentanone	ND	32000	ug/kg	700
Styrene	ND	32000	ug/kg	1800
1,1,2,2-Tetrachloroethane	ND	32000	ug/kg	520
Tetrachloroethene	ND	32000	ug/kg	570
Toluene	ND	32000	ug/kg	580
1,1,1-Trichloroethane	ND	32000	ug/kg	600
1,1,2-Trichloroethane	ND	32000	ug/kg	630
Trichloroethene	ND	32000	ug/kg	760
Vinyl chloride	ND	32000	ug/kg	1000
Xylenes (total)	43000	32000	ug/kg	950
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	68 DIL	(59 - 138)		
1,2-Dichloroethane-d4	0.0 DIL, *	(61 - 130)		
Toluene-d8	99 DIL	(60 - 143)		
4-Bromofluorobenzene	119 DIL	(47 - 158)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-022

GC/MS Volatiles

Lot-Sample #...: A9I300149-017 Work Order #...: LLPXK1AE Matrix.....: S0

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-022

GC Volatiles

Lot-Sample #....: A9I300149-017 Work Order #....: LLPXK1AC Matrix.....: S0
Date Sampled....: 09/29/09 14:45 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9278089
Dilution Factor: 20
% Moisture.....: 22 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	720000 B	130000	ug/kg	44000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	213 DIL, *	(10 - 150)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-022

GC Semivolatiles

Lot-Sample #....: A9I300149-017 Work Order #....: LLPXK1AD Matrix.....: S0
Date Sampled...: 09/29/09 14:45 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/05/09
Prep Batch #....: 9274322
Dilution Factor: 500
% Moisture.....: 22 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	64000	6400	mg/kg	1800

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	294 DIL, *	(10 - 110)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-022

General Chemistry

Lot-Sample #...: A9I300149-017 **Work Order #...:** LLPXK **Matrix.....:** S0
Date Sampled...: 09/29/09 14:45 **Date Received...:** 09/30/09
% Moisture.....: 22

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	78.1	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-023

GC/MS Volatiles

Lot-Sample #....: A9I300149-018 Work Order #....: LLPXM1AE Matrix.....: S0
 Date Sampled....: 09/29/09 16:00 Date Received...: 09/30/09
 Prep Date.....: 10/03/09 Analysis Date...: 10/03/09
 Prep Batch #....: 9278455
 Dilution Factor: 0.96
 % Moisture.....: 17 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	12	ug/kg	0.42
trans-1,2-Dichloroethene	ND	12	ug/kg	0.47
Chloromethane	ND	12	ug/kg	0.47
Bromomethane	ND	12	ug/kg	0.62
Vinyl chloride	ND	12	ug/kg	0.45
Chloroethane	ND	12	ug/kg	0.99
Methylene chloride	6.1 J	12	ug/kg	0.77
Acetone	ND	12	ug/kg	7.3
Carbon disulfide	ND	12	ug/kg	0.51
1,1-Dichloroethene	ND	12	ug/kg	0.60
1,1-Dichloroethane	ND	12	ug/kg	0.42
Chloroform	ND	12	ug/kg	0.33
1,2-Dichloroethane	ND	12	ug/kg	0.39
2-Butanone	ND	12	ug/kg	1.6
1,1,1-Trichloroethane	ND	12	ug/kg	0.65
Carbon tetrachloride	ND	12	ug/kg	0.43
Bromodichloromethane	ND	12	ug/kg	0.32
1,2-Dichloropropane	ND	12	ug/kg	0.80
cis-1,3-Dichloropropene	ND	12	ug/kg	0.39
Trichloroethene	ND	12	ug/kg	0.48
Dibromochloromethane	ND	12	ug/kg	0.63
1,1,2-Trichloroethane	ND	12	ug/kg	0.45
Benzene	ND	12	ug/kg	0.27
trans-1,3-Dichloropropene	ND	12	ug/kg	0.62
Bromoform	ND	12	ug/kg	0.38
4-Methyl-2-pentanone	ND	12	ug/kg	0.62
2-Hexanone	ND	12	ug/kg	0.73
Tetrachloroethene	ND	12	ug/kg	0.60
1,1,2,2-Tetrachloroethane	ND	12	ug/kg	0.39
Toluene	0.39 J	12	ug/kg	0.31
Chlorobenzene	ND	12	ug/kg	0.38
Ethylbenzene	ND	12	ug/kg	0.30
Styrene	ND	12	ug/kg	0.17
Xylenes (total)	ND	12	ug/kg	0.77
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	90		(59 - 138)	
1,2-Dichloroethane-d4	83		(61 - 130)	
Toluene-d8	91		(60 - 143)	
4-Bromofluorobenzene	89		(47 - 158)	

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-023

GC/MS Volatiles

Lot-Sample #...: A9I300149-018 Work Order #...: LLPXM1AE Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-023

GC Volatiles

Lot-Sample #....: A9I300149-018 Work Order #....: LLPXM1AC Matrix.....: S0
Date Sampled...: 09/29/09 16:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/06/09
Prep Batch #....: 9278089
Dilution Factor: 1
% Moisture.....: 17 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	6000	ug/kg	2000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	97	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-023

GC Semivolatiles

Lot-Sample #....: A9I300149-018 Work Order #....: LLPXM1AD Matrix.....: S0
Date Sampled...: 09/29/09 16:00 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/03/09
Prep Batch #....: 9274322
Dilution Factor: 1
% Moisture.....: 17 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	12	mg/kg	3.4

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	15	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-023

General Chemistry

Lot-Sample #...: A9I300149-018 Work Order #...: LLPXM Matrix.....: S0
Date Sampled...: 09/29/09 16:00 Date Received...: 09/30/09
% Moisture.....: 17

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	83.2	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-024

GC/MS Volatiles

Lot-Sample #... A9I300149-019 **Work Order #...** LLPXN1AJ **Matrix.....** S0
Date Sampled... 09/29/09 16:10 **Date Received...** 09/30/09
Prep Date..... 10/03/09 **Analysis Date...** 10/03/09
Prep Batch #... 9278455
Dilution Factor: 0.93
% Moisture..... 16 **Method.....** SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	11	ug/kg	0.40
trans-1,2-Dichloroethene	ND	11	ug/kg	0.45
Chloromethane	ND	11	ug/kg	0.45
Bromomethane	ND	11	ug/kg	0.60
Vinyl chloride	ND	11	ug/kg	0.43
Chloroethane	ND	11	ug/kg	0.95
Methylene chloride	1.5 J	11	ug/kg	0.74
Acetone	ND	11	ug/kg	7.0
Carbon disulfide	ND	11	ug/kg	0.49
1,1-Dichloroethene	ND	11	ug/kg	0.58
1,1-Dichloroethane	ND	11	ug/kg	0.40
Chloroform	ND	11	ug/kg	0.32
1,2-Dichloroethane	ND	11	ug/kg	0.38
2-Butanone	ND	11	ug/kg	1.6
1,1,1-Trichloroethane	ND	11	ug/kg	0.62
Carbon tetrachloride	ND	11	ug/kg	0.41
Bromodichloromethane	ND	11	ug/kg	0.31
1,2-Dichloropropane	ND	11	ug/kg	0.76
cis-1,3-Dichloropropene	ND	11	ug/kg	0.38
Trichloroethene	ND	11	ug/kg	0.47
Dibromochloromethane	ND	11	ug/kg	0.61
1,1,2-Trichloroethane	ND	11	ug/kg	0.43
Benzene	ND	11	ug/kg	0.25
trans-1,3-Dichloropropene	ND	11	ug/kg	0.60
Bromoform	ND	11	ug/kg	0.37
4-Methyl-2-pentanone	ND	11	ug/kg	0.60
2-Hexanone	ND	11	ug/kg	0.70
Tetrachloroethene	ND	11	ug/kg	0.58
1,1,2,2-Tetrachloroethane	ND	11	ug/kg	0.38
Toluene	ND	11	ug/kg	0.30
Chlorobenzene	ND	11	ug/kg	0.37
Ethylbenzene	ND	11	ug/kg	0.29
Styrene	ND	11	ug/kg	0.17
Xylenes (total)	ND	11	ug/kg	0.74
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	92	(59 - 138)		
1,2-Dichloroethane-d4	84	(61 - 130)		
Toluene-d8	94	(60 - 143)		
4-Bromofluorobenzene	91	(47 - 158)		

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-024

GC/MS Volatiles

Lot-Sample #...: A9I300149-019 Work Order #...: LLPXN1AJ Matrix.....: S0

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-024

GC Volatiles

Lot-Sample #....: A9I300149-019 Work Order #....: LLPXN1AC Matrix.....: S0
Date Sampled...: 09/29/09 16:10 Date Received...: 09/30/09
Prep Date.....: 10/01/09 Analysis Date...: 10/06/09
Prep Batch #....: 9278089
Dilution Factor: 1
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	6000	ug/kg	2000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	85	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-024

GC Semivolatiles

Lot-Sample #....: A9I300149-019 Work Order #....: LLPXN2AF Matrix.....: S0
Date Sampled....: 09/29/09 16:10 Date Received...: 09/30/09
Prep Date.....: 10/12/09 Analysis Date...: 10/13/09
Prep Batch #....: 9285056
Dilution Factor: 1
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	ND	12	mg/kg	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	12	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S-092909-JH-024

General Chemistry

Lot-Sample #...: A9I300149-019 Work Order #...: LLPXN Matrix.....: S0
Date Sampled...: 09/29/09 16:10 Date Received...: 09/30/09
% Moisture.....: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	84.0	10.0	%	MCAWW 160.3 MOD	10/12-10/13/09	9285348
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-025

GC/MS Volatiles

Lot-Sample #....: A9J020166-001 Work Order #....: LLWAD1AA Matrix.....: WG
 Date Sampled....: 09/30/09 13:20 Date Received...: 10/02/09
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #....: 9285087
 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
Dibromochloromethane	ND	1.0	ug/L	0.18
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	24	0.50	ug/L	0.17
trans-1,2-Dichloroethene	1.3	0.50	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
Methylene chloride	ND	1.0	ug/L	0.33
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
1,1,1-Trichloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	5.1	1.0	ug/L	0.17
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	104	(73 - 122)		
1,2-Dichloroethane-d4	106	(61 - 128)		
Toluene-d8	89	(76 - 110)		
4-Bromofluorobenzene	83	(74 - 116)		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-025

GC Volatiles

Lot-Sample #...: A9J020166-001 Work Order #...: LLWAD1AE Matrix.....: WG
Date Sampled...: 09/30/09 13:20 Date Received...: 10/02/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	126	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-025

GC Semivolatiles

Lot-Sample #...: A9J020166-001 **Work Order #...**: LLWAD1AH **Matrix.....**: WG
Date Sampled...: 09/30/09 13:20 **Date Received...**: 10/02/09
Prep Date.....: 10/02/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9275470
Dilution Factor: 1 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	94 J,B	100	ug/L	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	71	(10 - 110)

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: GW-093009-JH-026

GC/MS Volatiles

Lot-Sample #... A9J020166-002 **Work Order #...** LLWAR1AA **Matrix.....** WG
Date Sampled... 09/30/09 14:20 **Date Received...** 10/02/09
Prep Date..... 10/13/09 **Analysis Date...** 10/13/09
Prep Batch #... 9286550
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
Dibromochloromethane	ND	1.0	ug/L	0.18
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	0.50	ug/L	0.17
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	ND	1.0	ug/L	0.33
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
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
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	107	(73 - 122)		
1,2-Dichloroethane-d4	105	(61 - 128)		
Toluene-d8	85	(76 - 110)		
4-Bromofluorobenzene	81	(74 - 116)		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-026

GC Volatiles

Lot-Sample #...: A9J020166-002 Work Order #...: LLWAR1AC Matrix.....: WG
Date Sampled...: 09/30/09 14:20 Date Received...: 10/02/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	129	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-026

GC Semivolatiles

Lot-Sample #...: A9J020166-002 **Work Order #...**: LLWAR1AD **Matrix.....**: WG
Date Sampled...: 09/30/09 14:20 **Date Received...**: 10/02/09
Prep Date.....: 10/02/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9275470
Dilution Factor: 1 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	82 J,B	100	ug/L	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	64	(10 - 110)

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: GW-093009-JH-027

GC/MS Volatiles

Lot-Sample #... A9J020166-003 **Work Order #...** LLWAV1AA **Matrix.....** WG
Date Sampled... 09/30/09 15:15 **Date Received...** 10/02/09
Prep Date..... 10/09/09 **Analysis Date...** 10/09/09
Prep Batch #... 9285087
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
Dibromochloromethane	ND	1.0	ug/L	0.18
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	0.50	ug/L	0.17
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	ND	1.0	ug/L	0.33
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
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
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	104	(73 - 122)		
1,2-Dichloroethane-d4	102	(61 - 128)		
Toluene-d8	84	(76 - 110)		
4-Bromofluorobenzene	78	(74 - 116)		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-027

GC Volatiles

Lot-Sample #...: A9J020166-003 Work Order #...: LLWAV1AC Matrix.....: WG
Date Sampled...: 09/30/09 15:15 Date Received...: 10/02/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	131	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-027

GC Semivolatiles

Lot-Sample #....: A9J020166-003 Work Order #....: LLWAV1AD Matrix.....: WG
Date Sampled....: 09/30/09 15:15 Date Received...: 10/02/09
Prep Date.....: 10/02/09 Analysis Date...: 10/15/09
Prep Batch #....: 9275470
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	40 J,B	100	ug/L	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	54	(10 - 110)

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: GW-093009-JH-028

GC/MS Volatiles

Lot-Sample #....: A9J020166-004 Work Order #....: LLWAW1AA Matrix.....: WG
 Date Sampled....: 09/30/09 16:15 Date Received...: 10/02/09
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #....: 9285087
 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
Dibromochloromethane	ND	1.0	ug/L	0.18
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	0.50	ug/L	0.17
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	ND	1.0	ug/L	0.33
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18
Tetrachloroethene	1.6	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
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
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	109	(73 - 122)		
1,2-Dichloroethane-d4	107	(61 - 128)		
Toluene-d8	89	(76 - 110)		
4-Bromofluorobenzene	81	(74 - 116)		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-028

GC Volatiles

Lot-Sample #...: A9J020166-004 **Work Order #...**: LLWAW1AC **Matrix.....**: WG
Date Sampled...: 09/30/09 16:15 **Date Received...**: 10/02/09
Prep Date.....: 10/07/09 **Analysis Date...**: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	130	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-028

GC Semivolatiles

Lot-Sample #...: A9J020166-004 **Work Order #...**: LLWAW1AD **Matrix.....**: WG
Date Sampled...: 09/30/09 16:15 **Date Received...**: 10/02/09
Prep Date.....: 10/02/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9275470
Dilution Factor: 1 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	43 J,B	100	ug/L	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	59	(10 - 110)

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: GW-093009-JH-029

GC/MS Volatiles

Lot-Sample #....: A9J020166-005 Work Order #....: LLWAX1AA Matrix.....: WG
 Date Sampled....: 09/30/09 16:40 Date Received...: 10/02/09
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #....: 9285087
 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
Dibromochloromethane	ND	1.0	ug/L	0.18
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	0.50	ug/L	0.17
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	ND	1.0	ug/L	0.33
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18
Tetrachloroethene	1.6	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
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
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	107	(73 - 122)		
1,2-Dichloroethane-d4	103	(61 - 128)		
Toluene-d8	85	(76 - 110)		
4-Bromofluorobenzene	78	(74 - 116)		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-029

GC Volatiles

Lot-Sample #...: A9J020166-005 Work Order #...: LLWAX1AC Matrix.....: WG
Date Sampled...: 09/30/09 16:40 Date Received...: 10/02/09
Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	ND	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	130	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-093009-JH-029

GC Semivolatiles

Lot-Sample #...: A9J020166-005 **Work Order #...**: LLWAX1AD **Matrix.....**: WG
Date Sampled...: 09/30/09 16:40 **Date Received...**: 10/02/09
Prep Date.....: 10/02/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9275470
Dilution Factor: 1 **Method.....**: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Diesel)	39 J,B	100	ug/L	30

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	53	(10 - 110)

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: W-100109-JH-030

TCLP GC/MS Volatiles

Lot-Sample #...: A9J020166-006 Work Order #...: LLWCL1AA Matrix.....: WG
Date Sampled...: 10/01/09 16:00 Date Received...: 10/02/09
Leach Date.....: 10/05/09 Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
Leach Batch #...: P927801 Prep Batch #...: 9279453
Dilution Factor: 4
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	ND	0.10	mg/L	0.00052
2-Butanone (MEK)	ND	1.0	mg/L	0.0023
Carbon tetrachloride	ND	0.10	mg/L	0.00052
Chlorobenzene	ND	0.10	mg/L	0.00060
Chloroform	ND	0.10	mg/L	0.00064
1,2-Dichloroethane	ND	0.10	mg/L	0.00088
1,1-Dichloroethylene	ND	0.10	mg/L	0.00076
Tetrachloroethylene	ND	0.10	mg/L	0.0012
Trichloroethylene	ND	0.10	mg/L	0.00068
Vinyl chloride	ND	0.10	mg/L	0.00088

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(86 - 125)
1,2-Dichloroethane-d4	100	(80 - 122)
Toluene-d8	102	(90 - 122)
4-Bromofluorobenzene	89	(84 - 125)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-100109-JH-030

TCLP GC/MS Semivolatiles

Lot-Sample #...: A9J020166-006 Work Order #...: LLWCL1AC Matrix.....: WG
Date Sampled...: 10/01/09 16:00 Date Received...: 10/02/09
Leach Date.....: 10/05/09 Prep Date.....: 10/06/09 Analysis Date...: 10/07/09
Leach Batch #...: P927802 Prep Batch #...: 9279044
Dilution Factor: 20
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
o-Cresol	ND	0.080	mg/L	0.016
m-Cresol & p-Cresol	ND	0.80	mg/L	0.00075
1,4-Dichlorobenzene	ND	0.080	mg/L	0.0068
2,4-Dinitrotoluene	ND	0.40	mg/L	0.0054
Hexachlorobenzene	ND	0.40	mg/L	0.0020
Hexachlorobutadiene	ND	0.40	mg/L	0.0054
Hexachloroethane	ND	0.40	mg/L	0.016
Nitrobenzene	ND	0.080	mg/L	0.00080
Pentachlorophenol	ND	0.80	mg/L	0.048
Pyridine	ND	0.40	mg/L	0.0070
2,4,5-Trichloro-phenol	ND	0.40	mg/L	0.0060
2,4,6-Trichloro-phenol	ND	0.40	mg/L	0.016

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	84 DIL	(27 - 110)
2-Fluorobiphenyl	71 DIL	(20 - 110)
Terphenyl-d14	74 DIL	(44 - 110)
Phenol-d5	42 DIL	(10 - 110)
2-Fluorophenol	48 DIL	(10 - 110)
2,4,6-Tribromophenol	45 DIL	(28 - 110)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-100109-JH-030

TCLP GC Semivolatiles

Lot-Sample #... : A9J020166-006	Work Order #... : LLWCL1AM	Matrix..... : WG
Date Sampled... : 10/01/09 16:00	Date Received... : 10/02/09	
Leach Date..... : 10/05/09	Prep Date..... : 10/06/09	Analysis Date... : 10/08/09
Leach Batch #... : P927802	Prep Batch #... : 9279047	
Dilution Factor: 1	Method..... : SW846 8081A	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlordane (technical)	ND	0.0050	mg/L	0.000033
Endrin	ND	0.00050	mg/L	0.000011
Heptachlor	0.000055 J	0.00050	mg/L	0.0000080
Heptachlor epoxide	ND	0.00050	mg/L	0.0000071
Lindane	0.000043 J	0.00050	mg/L	0.0000064
Methoxychlor	ND	0.0010	mg/L	0.000032
Toxaphene	ND	0.020	mg/L	0.00032
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Decachlorobiphenyl	12 *	(31 - 115)		
Tetrachloro-m-xylene	104	(47 - 110)		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-100109-JH-030

TCLP GC Semivolatiles

Lot-Sample #...: A9J020166-006 Work Order #...: LLWCL1AN Matrix.....: WG
Date Sampled...: 10/01/09 16:00 Date Received...: 10/02/09
Leach Date.....: 10/05/09 Prep Date.....: 10/06/09 Analysis Date...: 10/07/09
Leach Batch #...: P927802 Prep Batch #...: 9279029
Dilution Factor: 1
Method.....: SW846 8151A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2,4-D	ND	0.50	mg/L	0.0015
2,4,5-TP (Silvex)	ND	0.10	mg/L	0.00016

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4-Dichlorophenylacetic acid	82	(37 - 116)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-100109-JH-030

TCLP Metals

Lot-Sample #... A9J020166-006

Matrix.....: WG

Date Sampled... 10/01/09 16:00 **Date Received...** 10/02/09

Leach Date.....: 10/05/09 **Leach Batch #...** P927802

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 9279014						
Arsenic	0.0066 B	0.50	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AE
		Dilution Factor: 1		MDL.....: 0.0032		
Barium	0.13 B, J	10.0	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AF
		Dilution Factor: 1		MDL.....: 0.00067		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AG
		Dilution Factor: 1		MDL.....: 0.00066		
Chromium	0.0029 B	0.50	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AH
		Dilution Factor: 1		MDL.....: 0.0022		
Lead	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AJ
		Dilution Factor: 1		MDL.....: 0.0019		
Selenium	0.016 B	0.25	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AK
		Dilution Factor: 1		MDL.....: 0.0041		
Silver	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LLWCL1AL
		Dilution Factor: 1		MDL.....: 0.0022		
Mercury	ND	0.0020	mg/L	SW846 7470A	10/06-10/07/09	LLWCL1AD
		Dilution Factor: 1		MDL.....: 0.00012		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

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: W-100109-JH-030

General Chemistry

Lot-Sample #...: A9J020166-006 Work Order #...: LLWCL Matrix.....: WG
Date Sampled...: 10/01/09 16:00 Date Received...: 10/02/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	3.0	mg/L	SW846 9030B/9034	10/06/09	9279364
		Dilution Factor: 1		MDL.....: 0.94		
Biochemical Oxygen Demand (BOD)	7000	2	mg/L	SM18 5210 B	10/02-10/07/09	9275369
		Dilution Factor: 1		MDL.....: 2		
Corrosivity	7.3		No Units	SW846 9045A	10/02/09	9275386
		Dilution Factor: 1		MDL.....:		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/06/09	9279458
		Dilution Factor: 1		MDL.....: 0.0050		
Ignitability	>180		No Units	SW846 SECTION 7.1	10/14/09	9287376
		Dilution Factor: 1		MDL.....:		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #... : A9J020166-007	Work Order #... : LLWC51AA	Matrix..... : WQ
Date Sampled... : 09/30/09	Date Received... : 10/02/09	
Prep Date..... : 10/09/09	Analysis Date... : 10/09/09	
Prep Batch #... : 9285087		
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
Dibromochloromethane	ND	1.0	ug/L	0.18
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	0.50	ug/L	0.17
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	ND	1.0	ug/L	0.33
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.11
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.18
Tetrachloroethene	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.13
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
Vinyl chloride	ND	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
Dibromofluoromethane	106	(73 - 122)		
1,2-Dichloroethane-d4	105	(61 - 128)		
Toluene-d8	83	(76 - 110)		
4-Bromofluorobenzene	76	(74 - 116)		

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J010000-348

Work Order #...: LLTKQ1AA

Matrix.....: SOLID

Analysis Date...: 09/30/09

Prep Date.....: 09/30/09

Dilution Factor: 1

Prep Batch #...: 9274348

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	500	ug/kg	SW846 8260B
Benzene	ND	500	ug/kg	SW846 8260B
Bromodichloromethane	ND	500	ug/kg	SW846 8260B
Bromoform	ND	500	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	230 J	500	ug/kg	SW846 8260B
Carbon disulfide	ND	500	ug/kg	SW846 8260B
Carbon tetrachloride	ND	500	ug/kg	SW846 8260B
Chlorobenzene	ND	500	ug/kg	SW846 8260B
Dibromochloromethane	ND	500	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	500	ug/kg	SW846 8260B
Chloromethane	6.8 J	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	500	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	500	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	500	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	500	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	500	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	500	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	500	ug/kg	SW846 8260B
Ethylbenzene	ND	500	ug/kg	SW846 8260B
2-Hexanone	ND	500	ug/kg	SW846 8260B
Methylene chloride	ND	500	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	500	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	500	ug/kg	SW846 8260B
Tetrachloroethene	ND	500	ug/kg	SW846 8260B
Toluene	11 J	500	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	500	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	500	ug/kg	SW846 8260B
Trichloroethene	ND	500	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
Xylenes (total)	ND	500	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(59 - 138)
1,2-Dichloroethane-d4	99	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153

Work Order #...: LLTKQ1AA

Matrix.....: SOLID

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 #...: 9I29153
MB Lot-Sample #: A9J010000-471

Work Order #...: LLT6T1AA

Matrix.....: SOLID

Analysis Date...: 09/30/09

Prep Date.....: 09/30/09

Dilution Factor: 1

Prep Batch #...: 9274471

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	10	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	ND	10	ug/kg	SW846 8260B
Acetone	ND	10	ug/kg	SW846 8260B
Carbon disulfide	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	10	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	10	ug/kg	SW846 8260B
Carbon tetrachloride	ND	10	ug/kg	SW846 8260B
Bromodichloromethane	ND	10	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	10	ug/kg	SW846 8260B
Trichloroethene	ND	10	ug/kg	SW846 8260B
Dibromochloromethane	ND	10	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	10	ug/kg	SW846 8260B
Benzene	ND	10	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/kg	SW846 8260B
2-Hexanone	ND	10	ug/kg	SW846 8260B
Tetrachloroethene	ND	10	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	ug/kg	SW846 8260B
Toluene	ND	10	ug/kg	SW846 8260B
Chlorobenzene	ND	10	ug/kg	SW846 8260B
Ethylbenzene	ND	10	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(59 - 138)
1,2-Dichloroethane-d4	89	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	98	(47 - 158)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153

Work Order #...: LLT6T1AA

Matrix.....: SOLID

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J050000-432

Work Order #...: LL1371AA

Matrix.....: SOLID

Analysis Date...: 10/01/09

Prep Date.....: 10/01/09

Dilution Factor: 1

Prep Batch #...: 9278432

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	10	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	ND	10	ug/kg	SW846 8260B
Acetone	ND	10	ug/kg	SW846 8260B
Carbon disulfide	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	10	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	10	ug/kg	SW846 8260B
Carbon tetrachloride	ND	10	ug/kg	SW846 8260B
Bromodichloromethane	ND	10	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	10	ug/kg	SW846 8260B
Trichloroethene	ND	10	ug/kg	SW846 8260B
Dibromochloromethane	ND	10	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	10	ug/kg	SW846 8260B
Benzene	ND	10	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/kg	SW846 8260B
2-Hexanone	ND	10	ug/kg	SW846 8260B
Tetrachloroethene	ND	10	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	ug/kg	SW846 8260B
Toluene	ND	10	ug/kg	SW846 8260B
Chlorobenzene	ND	10	ug/kg	SW846 8260B
Ethylbenzene	ND	10	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	99	(47 - 158)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153

Work Order #...: LL1371AA

Matrix.....: SOLID

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J050000-455

Work Order #...: LL16E1AA

Matrix.....: SOLID

Analysis Date...: 10/02/09

Prep Date.....: 10/02/09

Dilution Factor: 1

Prep Batch #...: 9278455

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
cis-1,2-Dichloroethene	ND	10	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	ND	10	ug/kg	SW846 8260B
Acetone	ND	10	ug/kg	SW846 8260B
Carbon disulfide	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	10	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	10	ug/kg	SW846 8260B
Carbon tetrachloride	ND	10	ug/kg	SW846 8260B
Bromodichloromethane	ND	10	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	10	ug/kg	SW846 8260B
Trichloroethene	ND	10	ug/kg	SW846 8260B
Dibromochloromethane	ND	10	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	10	ug/kg	SW846 8260B
Benzene	ND	10	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/kg	SW846 8260B
2-Hexanone	ND	10	ug/kg	SW846 8260B
Tetrachloroethene	ND	10	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	ug/kg	SW846 8260B
Toluene	ND	10	ug/kg	SW846 8260B
Chlorobenzene	ND	10	ug/kg	SW846 8260B
Ethylbenzene	ND	10	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
Toluene-d8	98	(60 - 143)
4-Bromofluorobenzene	102	(47 - 158)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153

Work Order #...: LL16E1AA

Matrix.....: SOLID

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J120000-087

Work Order #...: LMEE51AA

Matrix.....: WATER

Analysis Date...: 10/09/09

Prep Date.....: 10/09/09

Dilution Factor: 1

Prep Batch #...: 9285087

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
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
Dibromochloromethane	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	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	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
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
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	84	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153

Work Order #...: LMEE51AA

Matrix.....: WATER

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J130000-550

Work Order #...: LMH1J1AA

Matrix.....: WATER

Analysis Date...: 10/13/09

Prep Date.....: 10/13/09

Dilution Factor: 1

Prep Batch #...: 9286550

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	3.0 J	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
Dibromochloromethane	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	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	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
Methylene chloride	2.4	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	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
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
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Dibromofluoromethane	100	(73 - 122)		
1,2-Dichloroethane-d4	94	(61 - 128)		
Toluene-d8	85	(76 - 110)		
4-Bromofluorobenzene	81	(74 - 116)		

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 9I29153

Work Order #...: LMH1J1AA

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

TCLP GC/MS Volatiles

Client Lot #...: 9I29153
 MB Lot-Sample #: A9J050000-040
 Leach Date.....: 10/05/09
 Leach Batch #...: P927801
 Dilution Factor: 1

Work Order #...: LL03W1AA
 Prep Date.....: 10/06/09
 Prep Batch #...: 9279453

Matrix.....: SOLID
 Analysis Date...: 10/06/09

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	0.025	mg/L		SW846 8260B
2-Butanone (MEK)	ND	0.25	mg/L		SW846 8260B
Carbon tetrachloride	ND	0.025	mg/L		SW846 8260B
Chlorobenzene	ND	0.025	mg/L		SW846 8260B
Chloroform	ND	0.025	mg/L		SW846 8260B
1,2-Dichloroethane	ND	0.025	mg/L		SW846 8260B
1,1-Dichloroethylene	ND	0.025	mg/L		SW846 8260B
Tetrachloroethylene	ND	0.025	mg/L		SW846 8260B
Trichloroethylene	ND	0.025	mg/L		SW846 8260B
Vinyl chloride	ND	0.025	mg/L		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	97		(86 - 125)		
1,2-Dichloroethane-d4	99		(80 - 122)		
Toluene-d8	101		(90 - 122)		
4-Bromofluorobenzene	88		(84 - 125)		

NOTE(S):

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

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: 9I29153
 MB Lot-Sample #: A9J060000-044
 Leach Date.....: 10/05/09
 Leach Batch #...: P927802
 Dilution Factor: 1

Work Order #...: LL1731AA
 Prep Date.....: 10/06/09
 Prep Batch #...: 9279044

Matrix.....: WATER

Analysis Date...: 10/07/09

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.040	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.0040	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.020	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.020	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.020	mg/L	SW846 8270C
Hexachloroethane	ND	0.020	mg/L	SW846 8270C
Nitrobenzene	ND	0.0040	mg/L	SW846 8270C
Pentachlorophenol	ND	0.040	mg/L	SW846 8270C
Pyridine	ND	0.020	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Nitrobenzene-d5	97		(27 - 110)	
2-Fluorobiphenyl	96		(20 - 110)	
Terphenyl-d14	110		(44 - 110)	
Phenol-d5	72		(10 - 110)	
2-Fluorophenol	81		(10 - 110)	
2,4,6-Tribromophenol	103		(28 - 110)	

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J050000-089

Work Order #...: LL08T1AA

Matrix.....: SOLID

Analysis Date...: 10/02/09

Prep Date.....: 10/01/09

Prep Batch #...: 9278089

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Gasoline)	2000 J	5000	ug/kg	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
Trifluorotoluene	117	(10 - 150)		

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 Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J060000-090

Work Order #...: LL19R1AA

Matrix.....: SOLID

Analysis Date...: 10/05/09

Prep Date.....: 10/05/09

Dilution Factor: 1

Prep Batch #...: 9279090

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Gasoline)	ND	100	ug/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	102	(10 - 150)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J080000-069

Work Order #...: LL6PC1AA

Matrix.....: WATER

Analysis Date...: 10/07/09

Prep Date.....: 10/07/09

Dilution Factor: 1

Prep Batch #...: 9281069

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Gasoline)	ND	100	ug/L	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	125	(10 - 150)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J080000-071

Work Order #...: LL6PD1AA

Matrix.....: SOLID

Analysis Date...: 10/07/09

Prep Date.....: 10/07/09

Prep Batch #...: 9281071

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Gasoline)	ND	100	ug/kg	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
Trifluorotoluene	111	(10 - 150)		

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9I300000-038

Work Order #...: LLPE41AA

Matrix.....: SOLID

Analysis Date...: 10/02/09

Prep Date.....: 09/30/09

Prep Batch #...: 9273038

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Diesel)	ND	10	mg/kg	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
C9 (nonane)	23	(10 - 110)		

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J010000-322

Work Order #...: LLTF51AA

Matrix.....: SOLID

Analysis Date...: 10/06/09

Prep Date.....: 10/01/09

Prep Batch #...: 9274322

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Diesel)	ND	10	mg/kg	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
C9 (nonane)	33	(10 - 110)		

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J020000-470

Work Order #...: LLX2G1AA

Matrix.....: WATER

Analysis Date...: 10/06/09

Prep Date.....: 10/02/09

Dilution Factor: 1

Prep Batch #...: 9275470

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Diesel)	61 J	100	ug/L	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
C9 (nonane)	66	(10 - 110)		

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 Semivolatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J120000-056

Work Order #...: LMEC11AA

Matrix.....: SOLID

Analysis Date...: 10/13/09

Prep Date.....: 10/12/09

Prep Batch #...: 9285056

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Diesel)	ND	10	mg/kg	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
C9 (nonane)	35	(10 - 110)		

NOTE(S):

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

METHOD BLANK REPORT

TCLP GC Semivolatiles

Client Lot #...: 9I29153
 MB Lot-Sample #: A9J060000-047
 Leach Date.....: 10/05/09
 Leach Batch #...: P927802
 Dilution Factor: 1

Work Order #...: LL18A1AA
 Prep Date.....: 10/06/09
 Prep Batch #...: 9279047

Matrix.....: WATER
 Analysis Date...: 10/08/09

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Chlordane (technical)	ND	0.0050	mg/L	SW846 8081A
Endrin	ND	0.00050	mg/L	SW846 8081A
Heptachlor	ND	0.00050	mg/L	SW846 8081A
Heptachlor epoxide	ND	0.00050	mg/L	SW846 8081A
Lindane	ND	0.00050	mg/L	SW846 8081A
Methoxychlor	ND	0.0010	mg/L	SW846 8081A
Toxaphene	ND	0.020	mg/L	SW846 8081A
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Decachlorobiphenyl	77		(31 - 115)	
Tetrachloro-m-xylene	78		(47 - 110)	

NOTE(S):

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

METHOD BLANK REPORT

TCLP GC Semivolatiles

Client Lot #...: 9I29153
MB Lot-Sample #: A9J060000-029
Leach Date.....: 10/05/09
Leach Batch #...: P927802
Dilution Factor: 1

Work Order #...: LL1761AA
Prep Date.....: 10/06/09
Prep Batch #...: 9279029

Matrix.....: WATER
Analysis Date...: 10/07/09

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
2,4-D	ND	0.50	mg/L	SW846 8151A
2,4,5-TP (Silvex)	ND	0.10	mg/L	SW846 8151A
<u>SURROGATE</u>	<u>PERCENT</u>		<u>RECOVERY</u>	
	<u>RECOVERY</u>		<u>LIMITS</u>	
2,4-Dichlorophenylacetic acid	81		(37 - 116)	

NOTE(S):

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: 9I29153

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A9J050000-112 Prep Batch #... : 9279014 Leach Date..... : 10/05/09 Leach Batch #... : P927802						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AC
		Dilution Factor: 1				
Barium	0.0025 B	10.0	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AE
		Dilution Factor: 1				
Chromium	0.0025 B	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AG
		Dilution Factor: 1				
Selenium	0.0074 B	0.25	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL09Q1AJ
		Dilution Factor: 1				
Mercury	ND	0.0020	mg/L	SW846 7470A	10/06-10/07/09	LL09Q1AK
		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.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: 9I29153

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A9J060000-014 Prep Batch #...: 9279014						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AA
		Dilution Factor: 1				
Barium	0.00068 B	10.0	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AC
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AD
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AE
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AF
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AG
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	10/06-10/07/09	LL16X1AH
		Dilution Factor: 1				
Mercury	ND	0.0020	mg/L	SW846 7470A	10/06-10/07/09	LL16X1AJ
		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.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 9I29153

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	Work Order #: LL3GN1AA 3.0	mg/L	MB Lot-Sample #: A9J0600000-364 SW846 9030B/9034	10/06/09	9279364
		Dilution Factor: 1				
Biochemical Oxygen Demand (BOD)	ND	Work Order #: LL4EA1AA 2	mg/L	MB Lot-Sample #: A9J0200000-369 SM18 5210 B	10/02-10/07/09	9275369
		Dilution Factor: 1				
Total Cyanide	ND	Work Order #: LL3X41AA 0.010	mg/L	MB Lot-Sample #: A9J0600000-458 SW846 9012A	10/06/09	9279458
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 9I29153

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	ND	Work Order #: LMFD91AA 10.0	%	MB Lot-Sample #: MCAWW 160.3 MOD	A9J120000-345 10/12-10/13/09	9285345
		Dilution Factor: 1				
Percent Solids	ND	Work Order #: LMFED1AA 10.0	%	MB Lot-Sample #: MCAWW 160.3 MOD	A9J120000-348 10/12-10/13/09	9285348
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: 9I29153 Work Order #....: LLTKQ1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J010000-348 LLTKQ1AD-LCSD
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274348
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	91	(58 - 130)			SW846 8260B
	91	(58 - 130)	0.050	(0-30)	SW846 8260B
Benzene	99	(75 - 129)			SW846 8260B
	99	(75 - 129)	0.11	(0-20)	SW846 8260B
Bromodichloromethane	95	(72 - 125)			SW846 8260B
	96	(72 - 125)	1.2	(0-30)	SW846 8260B
Bromoform	92	(43 - 149)			SW846 8260B
	91	(43 - 149)	1.5	(0-30)	SW846 8260B
Bromomethane	42	(24 - 152)			SW846 8260B
	41	(24 - 152)	0.42	(0-30)	SW846 8260B
2-Butanone	112	(27 - 200)			SW846 8260B
	106	(27 - 200)	5.5	(0-46)	SW846 8260B
Carbon disulfide	92	(50 - 137)			SW846 8260B
	90	(50 - 137)	1.5	(0-30)	SW846 8260B
Carbon tetrachloride	106	(57 - 137)			SW846 8260B
	103	(57 - 137)	2.1	(0-30)	SW846 8260B
Chlorobenzene	95	(75 - 127)			SW846 8260B
	95	(75 - 127)	0.66	(0-22)	SW846 8260B
Dibromochloromethane	91	(49 - 135)			SW846 8260B
	93	(49 - 135)	2.5	(0-30)	SW846 8260B
Chloroethane	83	(31 - 144)			SW846 8260B
	77	(31 - 144)	7.4	(0-30)	SW846 8260B
Chloroform	98	(73 - 115)			SW846 8260B
	97	(73 - 115)	0.76	(0-30)	SW846 8260B
Chloromethane	73	(15 - 136)			SW846 8260B
	76	(15 - 136)	4.4	(0-30)	SW846 8260B
1,1-Dichloroethane	101	(77 - 119)			SW846 8260B
	101	(77 - 119)	0.21	(0-30)	SW846 8260B
1,2-Dichloroethane	101	(78 - 121)			SW846 8260B
	100	(78 - 121)	0.49	(0-30)	SW846 8260B
1,1-Dichloroethene	101	(55 - 142)			SW846 8260B
	102	(55 - 142)	1.2	(0-27)	SW846 8260B
cis-1,2-Dichloroethene	98	(77 - 114)			SW846 8260B
	97	(77 - 114)	0.10	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(68 - 117)			SW846 8260B
	95	(68 - 117)	2.8	(0-30)	SW846 8260B
1,2-Dichloropropane	99	(78 - 116)			SW846 8260B
	98	(78 - 116)	0.91	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	90	(71 - 125)			SW846 8260B
	90	(71 - 125)	0.56	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLTKQ1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A9J010000-348 LLTKQ1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,3-Dichloropropene	94	(67 - 125)			SW846 8260B
	94	(67 - 125)	0.50	(0-30)	SW846 8260B
Ethylbenzene	97	(79 - 114)			SW846 8260B
	95	(79 - 114)	1.4	(0-30)	SW846 8260B
2-Hexanone	79	(29 - 200)			SW846 8260B
	82	(29 - 200)	3.5	(0-41)	SW846 8260B
Methylene chloride	98	(58 - 130)			SW846 8260B
	96	(58 - 130)	2.0	(0-30)	SW846 8260B
4-Methyl-2-pentanone	87	(68 - 142)			SW846 8260B
	90	(68 - 142)	3.1	(0-60)	SW846 8260B
Styrene	94	(80 - 114)			SW846 8260B
	94	(80 - 114)	0.32	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	95	(70 - 133)			SW846 8260B
	100	(70 - 133)	4.9	(0-30)	SW846 8260B
Tetrachloroethene	96	(72 - 120)			SW846 8260B
	95	(72 - 120)	0.18	(0-30)	SW846 8260B
Toluene	96	(71 - 130)			SW846 8260B
	95	(71 - 130)	0.25	(0-24)	SW846 8260B
1,1,1-Trichloroethane	101	(67 - 123)			SW846 8260B
	100	(67 - 123)	0.56	(0-30)	SW846 8260B
1,1,2-Trichloroethane	95	(82 - 116)			SW846 8260B
	95	(82 - 116)	0.52	(0-30)	SW846 8260B
Trichloroethene	95	(70 - 131)			SW846 8260B
	95	(70 - 131)	0.060	(0-23)	SW846 8260B
Vinyl chloride	77	(24 - 152)			SW846 8260B
	80	(24 - 152)	3.5	(0-30)	SW846 8260B
Xylenes (total)	99	(80 - 114)			SW846 8260B
	98	(80 - 114)	0.20	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	97	(61 - 130)
	95	(61 - 130)
Toluene-d8	100	(60 - 143)
	97	(60 - 143)
4-Bromofluorobenzene	95	(47 - 158)
	93	(47 - 158)

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 Volatiles

Client Lot #....: 9I29153 Work Order #....: LLTKQ1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J010000-348 LLTKQ1AD-LCSD
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274348
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	1000	910	ug/kg	91		SW846 8260B
	1000	910	ug/kg	91	0.050	SW846 8260B
Benzene	1000	990	ug/kg	99		SW846 8260B
	1000	990	ug/kg	99	0.11	SW846 8260B
Bromodichloromethane	1000	950	ug/kg	95		SW846 8260B
	1000	960	ug/kg	96	1.2	SW846 8260B
Bromoform	1000	920	ug/kg	92		SW846 8260B
	1000	910	ug/kg	91	1.5	SW846 8260B
Bromomethane	1000	420	ug/kg	42		SW846 8260B
	1000	410	ug/kg	41	0.42	SW846 8260B
2-Butanone	1000	1100	ug/kg	112		SW846 8260B
	1000	1100	ug/kg	106	5.5	SW846 8260B
Carbon disulfide	1000	920	ug/kg	92		SW846 8260B
	1000	900	ug/kg	90	1.5	SW846 8260B
Carbon tetrachloride	1000	1100	ug/kg	106		SW846 8260B
	1000	1000	ug/kg	103	2.1	SW846 8260B
Chlorobenzene	1000	950	ug/kg	95		SW846 8260B
	1000	950	ug/kg	95	0.66	SW846 8260B
Dibromochloromethane	1000	910	ug/kg	91		SW846 8260B
	1000	930	ug/kg	93	2.5	SW846 8260B
Chloroethane	1000	830	ug/kg	83		SW846 8260B
	1000	770	ug/kg	77	7.4	SW846 8260B
Chloroform	1000	980	ug/kg	98		SW846 8260B
	1000	970	ug/kg	97	0.76	SW846 8260B
Chloromethane	1000	730	ug/kg	73		SW846 8260B
	1000	760	ug/kg	76	4.4	SW846 8260B
1,1-Dichloroethane	1000	1000	ug/kg	101		SW846 8260B
	1000	1000	ug/kg	101	0.21	SW846 8260B
1,2-Dichloroethane	1000	1000	ug/kg	101		SW846 8260B
	1000	1000	ug/kg	100	0.49	SW846 8260B
1,1-Dichloroethene	1000	1000	ug/kg	101		SW846 8260B
	1000	1000	ug/kg	102	1.2	SW846 8260B
cis-1,2-Dichloroethene	1000	980	ug/kg	98		SW846 8260B
	1000	970	ug/kg	97	0.10	SW846 8260B
trans-1,2-Dichloroethene	1000	980	ug/kg	98		SW846 8260B
	1000	950	ug/kg	95	2.8	SW846 8260B
1,2-Dichloropropane	1000	990	ug/kg	99		SW846 8260B
	1000	980	ug/kg	98	0.91	SW846 8260B
cis-1,3-Dichloropropene	1000	900	ug/kg	90		SW846 8260B
	1000	900	ug/kg	90	0.56	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLTKQ1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J010000-348 LLTKQ1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
trans-1,3-Dichloropropene	1000	940	ug/kg	94		SW846 8260B
	1000	940	ug/kg	94	0.50	SW846 8260B
Ethylbenzene	1000	970	ug/kg	97		SW846 8260B
	1000	950	ug/kg	95	1.4	SW846 8260B
2-Hexanone	1000	790	ug/kg	79		SW846 8260B
	1000	820	ug/kg	82	3.5	SW846 8260B
Methylene chloride	1000	980	ug/kg	98		SW846 8260B
	1000	960	ug/kg	96	2.0	SW846 8260B
4-Methyl-2-pentanone	1000	870	ug/kg	87		SW846 8260B
	1000	900	ug/kg	90	3.1	SW846 8260B
Styrene	1000	940	ug/kg	94		SW846 8260B
	1000	940	ug/kg	94	0.32	SW846 8260B
1,1,2,2-Tetrachloroethane	1000	950	ug/kg	95		SW846 8260B
	1000	1000	ug/kg	100	4.9	SW846 8260B
Tetrachloroethene	1000	960	ug/kg	96		SW846 8260B
	1000	950	ug/kg	95	0.18	SW846 8260B
Toluene	1000	960	ug/kg	96		SW846 8260B
	1000	950	ug/kg	95	0.25	SW846 8260B
1,1,1-Trichloroethane	1000	1000	ug/kg	101		SW846 8260B
	1000	1000	ug/kg	100	0.56	SW846 8260B
1,1,2-Trichloroethane	1000	950	ug/kg	95		SW846 8260B
	1000	950	ug/kg	95	0.52	SW846 8260B
Trichloroethene	1000	950	ug/kg	95		SW846 8260B
	1000	950	ug/kg	95	0.060	SW846 8260B
Vinyl chloride	1000	770	ug/kg	77		SW846 8260B
	1000	800	ug/kg	80	3.5	SW846 8260B
Xylenes (total)	3000	3000	ug/kg	99		SW846 8260B
	3000	3000	ug/kg	98	0.20	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	97	(61 - 130)
	95	(61 - 130)
Toluene-d8	100	(60 - 143)
	97	(60 - 143)
4-Bromofluorobenzene	95	(47 - 158)
	93	(47 - 158)

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

GC/MS Volatiles

Client Lot #....: 9I29153 Work Order #....: LLT6T1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J010000-471 LLT6T1AD-LCSD
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,2-Dichloroethene	96	(77 - 114)			SW846 8260B
	95	(77 - 114)	0.29	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	96	(68 - 117)			SW846 8260B
	96	(68 - 117)	0.30	(0-30)	SW846 8260B
Chloromethane	67	(15 - 136)			SW846 8260B
	67	(15 - 136)	0.50	(0-30)	SW846 8260B
Bromomethane	74	(24 - 152)			SW846 8260B
	74	(24 - 152)	0.080	(0-30)	SW846 8260B
Vinyl chloride	69	(24 - 152)			SW846 8260B
	70	(24 - 152)	1.6	(0-30)	SW846 8260B
Chloroethane	83	(31 - 144)			SW846 8260B
	83	(31 - 144)	0.41	(0-30)	SW846 8260B
Methylene chloride	96	(58 - 130)			SW846 8260B
	97	(58 - 130)	1.4	(0-30)	SW846 8260B
Acetone	97	(58 - 130)			SW846 8260B
	94	(58 - 130)	2.5	(0-30)	SW846 8260B
Carbon disulfide	98	(50 - 137)			SW846 8260B
	97	(50 - 137)	0.36	(0-30)	SW846 8260B
1,1-Dichloroethene	91	(55 - 142)			SW846 8260B
	92	(55 - 142)	1.5	(0-27)	SW846 8260B
1,1-Dichloroethane	96	(77 - 119)			SW846 8260B
	97	(77 - 119)	0.45	(0-30)	SW846 8260B
Chloroform	100	(73 - 115)			SW846 8260B
	100	(73 - 115)	0.39	(0-30)	SW846 8260B
1,2-Dichloroethane	98	(78 - 121)			SW846 8260B
	99	(78 - 121)	0.050	(0-30)	SW846 8260B
2-Butanone	84	(27 - 200)			SW846 8260B
	86	(27 - 200)	1.9	(0-46)	SW846 8260B
1,1,1-Trichloroethane	99	(67 - 123)			SW846 8260B
	99	(67 - 123)	0.010	(0-30)	SW846 8260B
Carbon tetrachloride	103	(57 - 137)			SW846 8260B
	105	(57 - 137)	1.6	(0-30)	SW846 8260B
Bromodichloromethane	102	(72 - 125)			SW846 8260B
	104	(72 - 125)	1.3	(0-30)	SW846 8260B
1,2-Dichloropropane	93	(78 - 116)			SW846 8260B
	93	(78 - 116)	0.060	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	98	(71 - 125)			SW846 8260B
	98	(71 - 125)	0.61	(0-30)	SW846 8260B
Trichloroethene	104	(70 - 131)			SW846 8260B
	103	(70 - 131)	0.95	(0-23)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLT6T1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A9J010000-471 LLT6T1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	104	(49 - 135)			SW846 8260B
	105	(49 - 135)	1.2	(0-30)	SW846 8260B
1,1,2-Trichloroethane	99	(82 - 116)			SW846 8260B
	98	(82 - 116)	0.64	(0-30)	SW846 8260B
Benzene	95	(75 - 129)			SW846 8260B
	95	(75 - 129)	0.090	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	105	(67 - 125)			SW846 8260B
	105	(67 - 125)	0.040	(0-30)	SW846 8260B
Bromoform	119	(43 - 149)			SW846 8260B
	107	(43 - 149)	10	(0-30)	SW846 8260B
4-Methyl-2-pentanone	93	(68 - 142)			SW846 8260B
	95	(68 - 142)	1.2	(0-60)	SW846 8260B
2-Hexanone	94	(29 - 200)			SW846 8260B
	93	(29 - 200)	1.0	(0-41)	SW846 8260B
Tetrachloroethene	104	(72 - 120)			SW846 8260B
	101	(72 - 120)	3.0	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	99	(70 - 133)			SW846 8260B
	95	(70 - 133)	4.2	(0-30)	SW846 8260B
Toluene	95	(71 - 130)			SW846 8260B
	93	(71 - 130)	1.3	(0-24)	SW846 8260B
Chlorobenzene	98	(75 - 127)			SW846 8260B
	96	(75 - 127)	1.3	(0-22)	SW846 8260B
Ethylbenzene	97	(79 - 114)			SW846 8260B
	96	(79 - 114)	0.76	(0-30)	SW846 8260B
Styrene	101	(80 - 114)			SW846 8260B
	98	(80 - 114)	2.8	(0-30)	SW846 8260B
Xylenes (total)	98	(80 - 114)			SW846 8260B
	98	(80 - 114)	0.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(59 - 138)
	96	(59 - 138)
1,2-Dichloroethane-d4	86	(61 - 130)
	89	(61 - 130)
Toluene-d8	97	(60 - 143)
	96	(60 - 143)
4-Bromofluorobenzene	105	(47 - 158)
	104	(47 - 158)

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 Volatiles

Client Lot #....: 9I29153 Work Order #....: LLT6T1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J010000-471 LLT6T1AD-LCSD
 Prep Date.....: 09/30/09 Analysis Date...: 09/30/09
 Prep Batch #....: 9274471
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,2-Dichloroethene	50	48	ug/kg	96		SW846 8260B
	50	48	ug/kg	95	0.29	SW846 8260B
trans-1,2-Dichloroethene	50	48	ug/kg	96		SW846 8260B
	50	48	ug/kg	96	0.30	SW846 8260B
Chloromethane	50	33	ug/kg	67		SW846 8260B
	50	33	ug/kg	67	0.50	SW846 8260B
Bromomethane	50	37	ug/kg	74		SW846 8260B
	50	37	ug/kg	74	0.080	SW846 8260B
Vinyl chloride	50	34	ug/kg	69		SW846 8260B
	50	35	ug/kg	70	1.6	SW846 8260B
Chloroethane	50	42	ug/kg	83		SW846 8260B
	50	41	ug/kg	83	0.41	SW846 8260B
Methylene chloride	50	48	ug/kg	96		SW846 8260B
	50	49	ug/kg	97	1.4	SW846 8260B
Acetone	50	48	ug/kg	97		SW846 8260B
	50	47	ug/kg	94	2.5	SW846 8260B
Carbon disulfide	50	49	ug/kg	98		SW846 8260B
	50	49	ug/kg	97	0.36	SW846 8260B
1,1-Dichloroethene	50	45	ug/kg	91		SW846 8260B
	50	46	ug/kg	92	1.5	SW846 8260B
1,1-Dichloroethane	50	48	ug/kg	96		SW846 8260B
	50	48	ug/kg	97	0.45	SW846 8260B
Chloroform	50	50	ug/kg	100		SW846 8260B
	50	50	ug/kg	100	0.39	SW846 8260B
1,2-Dichloroethane	50	49	ug/kg	98		SW846 8260B
	50	49	ug/kg	99	0.050	SW846 8260B
2-Butanone	50	42	ug/kg	84		SW846 8260B
	50	43	ug/kg	86	1.9	SW846 8260B
1,1,1-Trichloroethane	50	50	ug/kg	99		SW846 8260B
	50	50	ug/kg	99	0.010	SW846 8260B
Carbon tetrachloride	50	51	ug/kg	103		SW846 8260B
	50	52	ug/kg	105	1.6	SW846 8260B
Bromodichloromethane	50	51	ug/kg	102		SW846 8260B
	50	52	ug/kg	104	1.3	SW846 8260B
1,2-Dichloropropane	50	46	ug/kg	93		SW846 8260B
	50	46	ug/kg	93	0.060	SW846 8260B
cis-1,3-Dichloropropene	50	49	ug/kg	98		SW846 8260B
	50	49	ug/kg	98	0.61	SW846 8260B
Trichloroethene	50	52	ug/kg	104		SW846 8260B
	50	51	ug/kg	103	0.95	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLT6T1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J010000-471 LLT6T1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Dibromochloromethane	50	52	ug/kg	104		SW846 8260B
	50	52	ug/kg	105	1.2	SW846 8260B
1,1,2-Trichloroethane	50	49	ug/kg	99		SW846 8260B
	50	49	ug/kg	98	0.64	SW846 8260B
Benzene	50	48	ug/kg	95		SW846 8260B
	50	48	ug/kg	95	0.090	SW846 8260B
trans-1,3-Dichloropropene	50	53	ug/kg	105		SW846 8260B
	50	52	ug/kg	105	0.040	SW846 8260B
Bromoform	50	60	ug/kg	119		SW846 8260B
	50	54	ug/kg	107	10	SW846 8260B
4-Methyl-2-pentanone	50	47	ug/kg	93		SW846 8260B
	50	47	ug/kg	95	1.2	SW846 8260B
2-Hexanone	50	47	ug/kg	94		SW846 8260B
	50	46	ug/kg	93	1.0	SW846 8260B
Tetrachloroethene	50	52	ug/kg	104		SW846 8260B
	50	51	ug/kg	101	3.0	SW846 8260B
1,1,2,2-Tetrachloroethane	50	49	ug/kg	99		SW846 8260B
	50	47	ug/kg	95	4.2	SW846 8260B
Toluene	50	47	ug/kg	95		SW846 8260B
	50	47	ug/kg	93	1.3	SW846 8260B
Chlorobenzene	50	49	ug/kg	98		SW846 8260B
	50	48	ug/kg	96	1.3	SW846 8260B
Ethylbenzene	50	48	ug/kg	97		SW846 8260B
	50	48	ug/kg	96	0.76	SW846 8260B
Styrene	50	50	ug/kg	101		SW846 8260B
	50	49	ug/kg	98	2.8	SW846 8260B
Xylenes (total)	150	150	ug/kg	98		SW846 8260B
	150	150	ug/kg	98	0.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(59 - 138)
	96	(59 - 138)
1,2-Dichloroethane-d4	86	(61 - 130)
	89	(61 - 130)
Toluene-d8	97	(60 - 143)
	96	(60 - 143)
4-Bromofluorobenzene	105	(47 - 158)
	104	(47 - 158)

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

GC/MS Volatiles

Client Lot #....: 9I29153 Work Order #....: LL1371AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-432 LL1371AD-LCSD
 Prep Date.....: 10/01/09 Analysis Date...: 10/01/09
 Prep Batch #....: 9278432
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,2-Dichloroethene	94	(77 - 114)			SW846 8260B
	99	(77 - 114)	4.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	96	(68 - 117)			SW846 8260B
	99	(68 - 117)	3.1	(0-30)	SW846 8260B
Chloromethane	68	(15 - 136)			SW846 8260B
	67	(15 - 136)	1.6	(0-30)	SW846 8260B
Bromomethane	75	(24 - 152)			SW846 8260B
	75	(24 - 152)	0.63	(0-30)	SW846 8260B
Vinyl chloride	69	(24 - 152)			SW846 8260B
	71	(24 - 152)	2.8	(0-30)	SW846 8260B
Chloroethane	83	(31 - 144)			SW846 8260B
	85	(31 - 144)	1.8	(0-30)	SW846 8260B
Methylene chloride	103	(58 - 130)			SW846 8260B
	106	(58 - 130)	2.6	(0-30)	SW846 8260B
Acetone	93	(58 - 130)			SW846 8260B
	98	(58 - 130)	5.4	(0-30)	SW846 8260B
Carbon disulfide	98	(50 - 137)			SW846 8260B
	101	(50 - 137)	3.6	(0-30)	SW846 8260B
1,1-Dichloroethene	93	(55 - 142)			SW846 8260B
	97	(55 - 142)	4.2	(0-27)	SW846 8260B
1,1-Dichloroethane	96	(77 - 119)			SW846 8260B
	98	(77 - 119)	2.1	(0-30)	SW846 8260B
Chloroform	99	(73 - 115)			SW846 8260B
	101	(73 - 115)	2.2	(0-30)	SW846 8260B
1,2-Dichloroethane	98	(78 - 121)			SW846 8260B
	101	(78 - 121)	3.9	(0-30)	SW846 8260B
2-Butanone	84	(27 - 200)			SW846 8260B
	88	(27 - 200)	4.5	(0-46)	SW846 8260B
1,1,1-Trichloroethane	99	(67 - 123)			SW846 8260B
	103	(67 - 123)	4.0	(0-30)	SW846 8260B
Carbon tetrachloride	101	(57 - 137)			SW846 8260B
	105	(57 - 137)	3.3	(0-30)	SW846 8260B
Bromodichloromethane	100	(72 - 125)			SW846 8260B
	105	(72 - 125)	4.7	(0-30)	SW846 8260B
1,2-Dichloropropane	92	(78 - 116)			SW846 8260B
	96	(78 - 116)	4.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	96	(71 - 125)			SW846 8260B
	101	(71 - 125)	4.7	(0-30)	SW846 8260B
Trichloroethene	102	(70 - 131)			SW846 8260B
	112	(70 - 131)	9.1	(0-23)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LL1371AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A9J050000-432 LL1371AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	100	(49 - 135)			SW846 8260B
	106	(49 - 135)	6.4	(0-30)	SW846 8260B
1,1,2-Trichloroethane	95	(82 - 116)			SW846 8260B
	101	(82 - 116)	5.9	(0-30)	SW846 8260B
Benzene	95	(75 - 129)			SW846 8260B
	98	(75 - 129)	2.7	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	101	(67 - 125)			SW846 8260B
	106	(67 - 125)	4.8	(0-30)	SW846 8260B
Bromoform	101	(43 - 149)			SW846 8260B
	111	(43 - 149)	9.7	(0-30)	SW846 8260B
4-Methyl-2-pentanone	91	(68 - 142)			SW846 8260B
	99	(68 - 142)	8.4	(0-60)	SW846 8260B
2-Hexanone	93	(29 - 200)			SW846 8260B
	98	(29 - 200)	5.5	(0-41)	SW846 8260B
Tetrachloroethene	98	(72 - 120)			SW846 8260B
	104	(72 - 120)	6.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	92	(70 - 133)			SW846 8260B
	89	(70 - 133)	4.2	(0-30)	SW846 8260B
Toluene	90	(71 - 130)			SW846 8260B
	95	(71 - 130)	5.0	(0-24)	SW846 8260B
Chlorobenzene	92	(75 - 127)			SW846 8260B
	99	(75 - 127)	7.7	(0-22)	SW846 8260B
Ethylbenzene	92	(79 - 114)			SW846 8260B
	97	(79 - 114)	6.2	(0-30)	SW846 8260B
Styrene	94	(80 - 114)			SW846 8260B
	100	(80 - 114)	6.5	(0-30)	SW846 8260B
Xylenes (total)	93	(80 - 114)			SW846 8260B
	100	(80 - 114)	7.3	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	87	(61 - 130)
	87	(61 - 130)
Toluene-d8	96	(60 - 143)
	97	(60 - 143)
4-Bromofluorobenzene	103	(47 - 158)
	105	(47 - 158)

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 Volatiles

Client Lot #....: 9I29153 Work Order #....: LL1371AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-432 LL1371AD-LCSD
 Prep Date.....: 10/01/09 Analysis Date...: 10/01/09
 Prep Batch #....: 9278432
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,2-Dichloroethene	50	47	ug/kg	94		SW846 8260B
	50	49	ug/kg	99	4.5	SW846 8260B
trans-1,2-Dichloroethene	50	48	ug/kg	96		SW846 8260B
	50	49	ug/kg	99	3.1	SW846 8260B
Chloromethane	50	34	ug/kg	68		SW846 8260B
	50	33	ug/kg	67	1.6	SW846 8260B
Bromomethane	50	38	ug/kg	75		SW846 8260B
	50	37	ug/kg	75	0.63	SW846 8260B
Vinyl chloride	50	35	ug/kg	69		SW846 8260B
	50	36	ug/kg	71	2.8	SW846 8260B
Chloroethane	50	42	ug/kg	83		SW846 8260B
	50	42	ug/kg	85	1.8	SW846 8260B
Methylene chloride	50	52	ug/kg	103		SW846 8260B
	50	53	ug/kg	106	2.6	SW846 8260B
Acetone	50	47	ug/kg	93		SW846 8260B
	50	49	ug/kg	98	5.4	SW846 8260B
Carbon disulfide	50	49	ug/kg	98		SW846 8260B
	50	51	ug/kg	101	3.6	SW846 8260B
1,1-Dichloroethene	50	46	ug/kg	93		SW846 8260B
	50	48	ug/kg	97	4.2	SW846 8260B
1,1-Dichloroethane	50	48	ug/kg	96		SW846 8260B
	50	49	ug/kg	98	2.1	SW846 8260B
Chloroform	50	49	ug/kg	99		SW846 8260B
	50	51	ug/kg	101	2.2	SW846 8260B
1,2-Dichloroethane	50	49	ug/kg	98		SW846 8260B
	50	51	ug/kg	101	3.9	SW846 8260B
2-Butanone	50	42	ug/kg	84		SW846 8260B
	50	44	ug/kg	88	4.5	SW846 8260B
1,1,1-Trichloroethane	50	50	ug/kg	99		SW846 8260B
	50	52	ug/kg	103	4.0	SW846 8260B
Carbon tetrachloride	50	51	ug/kg	101		SW846 8260B
	50	52	ug/kg	105	3.3	SW846 8260B
Bromodichloromethane	50	50	ug/kg	100		SW846 8260B
	50	52	ug/kg	105	4.7	SW846 8260B
1,2-Dichloropropane	50	46	ug/kg	92		SW846 8260B
	50	48	ug/kg	96	4.2	SW846 8260B
cis-1,3-Dichloropropene	50	48	ug/kg	96		SW846 8260B
	50	51	ug/kg	101	4.7	SW846 8260B
Trichloroethene	50	51	ug/kg	102		SW846 8260B
	50	56	ug/kg	112	9.1	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LL1371AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-432 LL1371AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Dibromochloromethane	50	50	ug/kg	100		SW846 8260B
	50	53	ug/kg	106	6.4	SW846 8260B
1,1,2-Trichloroethane	50	47	ug/kg	95		SW846 8260B
	50	50	ug/kg	101	5.9	SW846 8260B
Benzene	50	48	ug/kg	95		SW846 8260B
	50	49	ug/kg	98	2.7	SW846 8260B
trans-1,3-Dichloropropene	50	50	ug/kg	101		SW846 8260B
	50	53	ug/kg	106	4.8	SW846 8260B
Bromoform	50	50	ug/kg	101		SW846 8260B
	50	56	ug/kg	111	9.7	SW846 8260B
4-Methyl-2-pentanone	50	45	ug/kg	91		SW846 8260B
	50	49	ug/kg	99	8.4	SW846 8260B
2-Hexanone	50	46	ug/kg	93		SW846 8260B
	50	49	ug/kg	98	5.5	SW846 8260B
Tetrachloroethene	50	49	ug/kg	98		SW846 8260B
	50	52	ug/kg	104	6.6	SW846 8260B
1,1,2,2-Tetrachloroethane	50	46	ug/kg	92		SW846 8260B
	50	44	ug/kg	89	4.2	SW846 8260B
Toluene	50	45	ug/kg	90		SW846 8260B
	50	47	ug/kg	95	5.0	SW846 8260B
Chlorobenzene	50	46	ug/kg	92		SW846 8260B
	50	50	ug/kg	99	7.7	SW846 8260B
Ethylbenzene	50	46	ug/kg	92		SW846 8260B
	50	49	ug/kg	97	6.2	SW846 8260B
Styrene	50	47	ug/kg	94		SW846 8260B
	50	50	ug/kg	100	6.5	SW846 8260B
Xylenes (total)	150	140	ug/kg	93		SW846 8260B
	150	150	ug/kg	100	7.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	87	(61 - 130)
	87	(61 - 130)
Toluene-d8	96	(60 - 143)
	97	(60 - 143)
4-Bromofluorobenzene	103	(47 - 158)
	105	(47 - 158)

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

GC/MS Volatiles

Client Lot #....: 9I29153 Work Order #....: LL16E1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-455 LL16E1AD-LCSD
 Prep Date.....: 10/02/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278455
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,2-Dichloroethene	100	(77 - 114)			SW846 8260B
	98	(77 - 114)	2.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	99	(68 - 117)			SW846 8260B
	96	(68 - 117)	3.2	(0-30)	SW846 8260B
Chloromethane	68	(15 - 136)			SW846 8260B
	66	(15 - 136)	1.9	(0-30)	SW846 8260B
Bromomethane	76	(24 - 152)			SW846 8260B
	74	(24 - 152)	1.5	(0-30)	SW846 8260B
Vinyl chloride	70	(24 - 152)			SW846 8260B
	68	(24 - 152)	1.9	(0-30)	SW846 8260B
Chloroethane	85	(31 - 144)			SW846 8260B
	82	(31 - 144)	3.2	(0-30)	SW846 8260B
Methylene chloride	103	(58 - 130)			SW846 8260B
	102	(58 - 130)	1.1	(0-30)	SW846 8260B
Acetone	107	(58 - 130)			SW846 8260B
	108	(58 - 130)	0.66	(0-30)	SW846 8260B
Carbon disulfide	97	(50 - 137)			SW846 8260B
	95	(50 - 137)	2.1	(0-30)	SW846 8260B
1,1-Dichloroethene	94	(55 - 142)			SW846 8260B
	93	(55 - 142)	1.3	(0-27)	SW846 8260B
1,1-Dichloroethane	100	(77 - 119)			SW846 8260B
	98	(77 - 119)	2.1	(0-30)	SW846 8260B
Chloroform	104	(73 - 115)			SW846 8260B
	102	(73 - 115)	2.0	(0-30)	SW846 8260B
1,2-Dichloroethane	102	(78 - 121)			SW846 8260B
	102	(78 - 121)	0.22	(0-30)	SW846 8260B
2-Butanone	92	(27 - 200)			SW846 8260B
	94	(27 - 200)	1.3	(0-46)	SW846 8260B
1,1,1-Trichloroethane	104	(67 - 123)			SW846 8260B
	104	(67 - 123)	0.33	(0-30)	SW846 8260B
Carbon tetrachloride	106	(57 - 137)			SW846 8260B
	106	(57 - 137)	0.57	(0-30)	SW846 8260B
Bromodichloromethane	106	(72 - 125)			SW846 8260B
	107	(72 - 125)	0.41	(0-30)	SW846 8260B
1,2-Dichloropropane	97	(78 - 116)			SW846 8260B
	97	(78 - 116)	0.32	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	103	(71 - 125)			SW846 8260B
	104	(71 - 125)	0.77	(0-30)	SW846 8260B
Trichloroethene	109	(70 - 131)			SW846 8260B
	106	(70 - 131)	2.2	(0-23)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LL16E1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A9J050000-455 LL16E1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	106	(49 - 135)			SW846 8260B
	108	(49 - 135)	1.2	(0-30)	SW846 8260B
1,1,2-Trichloroethane	101	(82 - 116)			SW846 8260B
	101	(82 - 116)	0.54	(0-30)	SW846 8260B
Benzene	98	(75 - 129)			SW846 8260B
	98	(75 - 129)	0.20	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	108	(67 - 125)			SW846 8260B
	109	(67 - 125)	0.73	(0-30)	SW846 8260B
Bromoform	110	(43 - 149)			SW846 8260B
	110	(43 - 149)	0.71	(0-30)	SW846 8260B
4-Methyl-2-pentanone	103	(68 - 142)			SW846 8260B
	105	(68 - 142)	2.1	(0-60)	SW846 8260B
2-Hexanone	103	(29 - 200)			SW846 8260B
	104	(29 - 200)	0.97	(0-41)	SW846 8260B
Tetrachloroethene	105	(72 - 120)			SW846 8260B
	102	(72 - 120)	3.1	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	99	(70 - 133)			SW846 8260B
	98	(70 - 133)	1.3	(0-30)	SW846 8260B
Toluene	96	(71 - 130)			SW846 8260B
	93	(71 - 130)	2.4	(0-24)	SW846 8260B
Chlorobenzene	99	(75 - 127)			SW846 8260B
	96	(75 - 127)	3.1	(0-22)	SW846 8260B
Ethylbenzene	99	(79 - 114)			SW846 8260B
	93	(79 - 114)	6.6	(0-30)	SW846 8260B
Styrene	101	(80 - 114)			SW846 8260B
	96	(80 - 114)	5.0	(0-30)	SW846 8260B
Xylenes (total)	100	(80 - 114)			SW846 8260B
	96	(80 - 114)	4.2	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
	87	(61 - 130)
Toluene-d8	98	(60 - 143)
	99	(60 - 143)
4-Bromofluorobenzene	104	(47 - 158)
	103	(47 - 158)

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 Volatiles

Client Lot #....: 9I29153 Work Order #....: LL16E1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-455 LL16E1AD-LCSD
 Prep Date.....: 10/02/09 Analysis Date...: 10/02/09
 Prep Batch #....: 9278455
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,2-Dichloroethene	50	50	ug/kg	100		SW846 8260B
	50	49	ug/kg	98	2.0	SW846 8260B
trans-1,2-Dichloroethene	50	50	ug/kg	99		SW846 8260B
	50	48	ug/kg	96	3.2	SW846 8260B
Chloromethane	50	34	ug/kg	68		SW846 8260B
	50	33	ug/kg	66	1.9	SW846 8260B
Bromomethane	50	38	ug/kg	76		SW846 8260B
	50	37	ug/kg	74	1.5	SW846 8260B
Vinyl chloride	50	35	ug/kg	70		SW846 8260B
	50	34	ug/kg	68	1.9	SW846 8260B
Chloroethane	50	42	ug/kg	85		SW846 8260B
	50	41	ug/kg	82	3.2	SW846 8260B
Methylene chloride	50	52	ug/kg	103		SW846 8260B
	50	51	ug/kg	102	1.1	SW846 8260B
Acetone	50	54	ug/kg	107		SW846 8260B
	50	54	ug/kg	108	0.66	SW846 8260B
Carbon disulfide	50	49	ug/kg	97		SW846 8260B
	50	48	ug/kg	95	2.1	SW846 8260B
1,1-Dichloroethene	50	47	ug/kg	94		SW846 8260B
	50	47	ug/kg	93	1.3	SW846 8260B
1,1-Dichloroethane	50	50	ug/kg	100		SW846 8260B
	50	49	ug/kg	98	2.1	SW846 8260B
Chloroform	50	52	ug/kg	104		SW846 8260B
	50	51	ug/kg	102	2.0	SW846 8260B
1,2-Dichloroethane	50	51	ug/kg	102		SW846 8260B
	50	51	ug/kg	102	0.22	SW846 8260B
2-Butanone	50	46	ug/kg	92		SW846 8260B
	50	47	ug/kg	94	1.3	SW846 8260B
1,1,1-Trichloroethane	50	52	ug/kg	104		SW846 8260B
	50	52	ug/kg	104	0.33	SW846 8260B
Carbon tetrachloride	50	53	ug/kg	106		SW846 8260B
	50	53	ug/kg	106	0.57	SW846 8260B
Bromodichloromethane	50	53	ug/kg	106		SW846 8260B
	50	53	ug/kg	107	0.41	SW846 8260B
1,2-Dichloropropane	50	49	ug/kg	97		SW846 8260B
	50	49	ug/kg	97	0.32	SW846 8260B
cis-1,3-Dichloropropene	50	52	ug/kg	103		SW846 8260B
	50	52	ug/kg	104	0.77	SW846 8260B
Trichloroethene	50	54	ug/kg	109		SW846 8260B
	50	53	ug/kg	106	2.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LL16E1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-455 LL16E1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Dibromochloromethane	50	53	ug/kg	106		SW846 8260B
	50	54	ug/kg	108	1.2	SW846 8260B
1,1,2-Trichloroethane	50	50	ug/kg	101		SW846 8260B
	50	51	ug/kg	101	0.54	SW846 8260B
Benzene	50	49	ug/kg	98		SW846 8260B
	50	49	ug/kg	98	0.20	SW846 8260B
trans-1,3-Dichloropropene	50	54	ug/kg	108		SW846 8260B
	50	54	ug/kg	109	0.73	SW846 8260B
Bromoform	50	55	ug/kg	110		SW846 8260B
	50	55	ug/kg	110	0.71	SW846 8260B
4-Methyl-2-pentanone	50	52	ug/kg	103		SW846 8260B
	50	53	ug/kg	105	2.1	SW846 8260B
2-Hexanone	50	51	ug/kg	103		SW846 8260B
	50	52	ug/kg	104	0.97	SW846 8260B
Tetrachloroethene	50	53	ug/kg	105		SW846 8260B
	50	51	ug/kg	102	3.1	SW846 8260B
1,1,2,2-Tetrachloroethane	50	49	ug/kg	99		SW846 8260B
	50	49	ug/kg	98	1.3	SW846 8260B
Toluene	50	48	ug/kg	96		SW846 8260B
	50	47	ug/kg	93	2.4	SW846 8260B
Chlorobenzene	50	49	ug/kg	99		SW846 8260B
	50	48	ug/kg	96	3.1	SW846 8260B
Ethylbenzene	50	49	ug/kg	99		SW846 8260B
	50	46	ug/kg	93	6.6	SW846 8260B
Styrene	50	50	ug/kg	101		SW846 8260B
	50	48	ug/kg	96	5.0	SW846 8260B
Xylenes (total)	150	150	ug/kg	100		SW846 8260B
	150	140	ug/kg	96	4.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	88	(61 - 130)
	87	(61 - 130)
Toluene-d8	98	(60 - 143)
	99	(60 - 143)
4-Bromofluorobenzene	104	(47 - 158)
	103	(47 - 158)

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

GC/MS Volatiles

Client Lot #....: 9I29153 Work Order #....: LMEE51AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J120000-087 LMEE51AD-LCSD
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #....: 9285087
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	92	(22 - 200)			SW846 8260B
	111	(22 - 200)	19	(0-95)	SW846 8260B
Benzene	98	(80 - 116)			SW846 8260B
	98	(80 - 116)	0.14	(0-20)	SW846 8260B
Bromodichloromethane	99	(87 - 130)			SW846 8260B
	96	(87 - 130)	2.6	(0-30)	SW846 8260B
Bromoform	90	(76 - 150)			SW846 8260B
	93	(76 - 150)	2.9	(0-30)	SW846 8260B
Bromomethane	97	(64 - 129)			SW846 8260B
	85	(64 - 129)	13	(0-30)	SW846 8260B
2-Butanone	88	(28 - 237)			SW846 8260B
	94	(28 - 237)	6.2	(0-65)	SW846 8260B
Carbon disulfide	95	(73 - 139)			SW846 8260B
	92	(73 - 139)	2.8	(0-30)	SW846 8260B
Carbon tetrachloride	104	(75 - 149)			SW846 8260B
	106	(75 - 149)	1.8	(0-30)	SW846 8260B
Chlorobenzene	98	(76 - 117)			SW846 8260B
	95	(76 - 117)	2.3	(0-20)	SW846 8260B
Chloroethane	75	(66 - 126)			SW846 8260B
	71	(66 - 126)	5.4	(0-30)	SW846 8260B
Chloroform	102	(84 - 128)			SW846 8260B
	100	(84 - 128)	2.1	(0-30)	SW846 8260B
Chloromethane	69	(48 - 123)			SW846 8260B
	65	(48 - 123)	5.3	(0-30)	SW846 8260B
Dibromochloromethane	92	(81 - 138)			SW846 8260B
	90	(81 - 138)	2.9	(0-30)	SW846 8260B
1,1-Dichloroethane	102	(86 - 123)			SW846 8260B
	99	(86 - 123)	2.2	(0-30)	SW846 8260B
1,2-Dichloroethane	99	(79 - 136)			SW846 8260B
	98	(79 - 136)	0.94	(0-30)	SW846 8260B
1,1-Dichloroethene	99	(63 - 130)			SW846 8260B
	98	(63 - 130)	1.5	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	99	(85 - 113)			SW846 8260B
	101	(85 - 113)	1.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	101	(80 - 120)			SW846 8260B
	101	(80 - 120)	0.28	(0-30)	SW846 8260B
1,2-Dichloropropane	99	(82 - 115)			SW846 8260B
	97	(82 - 115)	2.0	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	92	(84 - 130)			SW846 8260B
	92	(84 - 130)	0.64	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LMEE51AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J120000-087 LMEE51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,3-Dichloropropene	87	(84 - 130)			SW846 8260B
	87	(84 - 130)	0.12	(0-30)	SW846 8260B
Ethylbenzene	100	(86 - 116)			SW846 8260B
	99	(86 - 116)	1.0	(0-30)	SW846 8260B
2-Hexanone	82	(35 - 200)			SW846 8260B
	85	(35 - 200)	3.4	(0-52)	SW846 8260B
Methylene chloride	101	(78 - 118)			SW846 8260B
	98	(78 - 118)	2.8	(0-30)	SW846 8260B
4-Methyl-2-pentanone	85	(78 - 141)			SW846 8260B
	86	(78 - 141)	1.5	(0-32)	SW846 8260B
Styrene	102	(85 - 117)			SW846 8260B
	99	(85 - 117)	2.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	86	(85 - 118)			SW846 8260B
	87	(85 - 118)	1.2	(0-30)	SW846 8260B
Tetrachloroethene	100	(88 - 113)			SW846 8260B
	100	(88 - 113)	0.64	(0-30)	SW846 8260B
Toluene	96	(74 - 119)			SW846 8260B
	95	(74 - 119)	1.0	(0-20)	SW846 8260B
1,1,1-Trichloroethane	100	(78 - 140)			SW846 8260B
	101	(78 - 140)	0.48	(0-30)	SW846 8260B
1,1,2-Trichloroethane	93	(83 - 122)			SW846 8260B
	92	(83 - 122)	2.0	(0-30)	SW846 8260B
Trichloroethene	102	(75 - 122)			SW846 8260B
	99	(75 - 122)	3.0	(0-20)	SW846 8260B
Vinyl chloride	73	(61 - 120)			SW846 8260B
	70	(61 - 120)	4.7	(0-30)	SW846 8260B
Xylenes (total)	102	(87 - 116)			SW846 8260B
	100	(87 - 116)	1.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	89	(61 - 128)
Toluene-d8	91	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)
	97	(74 - 116)

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 Volatiles

Client Lot #....: 9I29153 Work Order #....: LMEE51AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J120000-087 LMEE51AD-LCSD
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #....: 9285087
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	9.2	ug/L	92		SW846 8260B
	10	11	ug/L	111	19	SW846 8260B
Benzene	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.14	SW846 8260B
Bromodichloromethane	10	9.9	ug/L	99		SW846 8260B
	10	9.6	ug/L	96	2.6	SW846 8260B
Bromoform	10	9.0	ug/L	90		SW846 8260B
	10	9.3	ug/L	93	2.9	SW846 8260B
Bromomethane	10	9.7	ug/L	97		SW846 8260B
	10	8.5	ug/L	85	13	SW846 8260B
2-Butanone	10	8.8	ug/L	88		SW846 8260B
	10	9.4	ug/L	94	6.2	SW846 8260B
Carbon disulfide	10	9.5	ug/L	95		SW846 8260B
	10	9.2	ug/L	92	2.8	SW846 8260B
Carbon tetrachloride	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	106	1.8	SW846 8260B
Chlorobenzene	10	9.8	ug/L	98		SW846 8260B
	10	9.5	ug/L	95	2.3	SW846 8260B
Chloroethane	10	7.5	ug/L	75		SW846 8260B
	10	7.1	ug/L	71	5.4	SW846 8260B
Chloroform	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	100	2.1	SW846 8260B
Chloromethane	10	6.9	ug/L	69		SW846 8260B
	10	6.5	ug/L	65	5.3	SW846 8260B
Dibromochloromethane	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.9	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	102		SW846 8260B
	10	9.9	ug/L	99	2.2	SW846 8260B
1,2-Dichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	9.8	ug/L	98	0.94	SW846 8260B
1,1-Dichloroethene	10	9.9	ug/L	99		SW846 8260B
	10	9.8	ug/L	98	1.5	SW846 8260B
cis-1,2-Dichloroethene	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	101	1.5	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	101	0.28	SW846 8260B
1,2-Dichloropropane	10	9.9	ug/L	99		SW846 8260B
	10	9.7	ug/L	97	2.0	SW846 8260B
cis-1,3-Dichloropropene	10	9.2	ug/L	92		SW846 8260B
	10	9.2	ug/L	92	0.64	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LMEE51AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J120000-087 LMEE51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
trans-1,3-Dichloropropene	10	8.7	ug/L	87		SW846 8260B
	10	8.7	ug/L	87	0.12	SW846 8260B
Ethylbenzene	10	10	ug/L	100		SW846 8260B
	10	9.9	ug/L	99	1.0	SW846 8260B
2-Hexanone	10	8.2	ug/L	82		SW846 8260B
	10	8.5	ug/L	85	3.4	SW846 8260B
Methylene chloride	10	10	ug/L	101		SW846 8260B
	10	9.8	ug/L	98	2.8	SW846 8260B
4-Methyl-2-pentanone	10	8.5	ug/L	85		SW846 8260B
	10	8.6	ug/L	86	1.5	SW846 8260B
Styrene	10	10	ug/L	102		SW846 8260B
	10	9.9	ug/L	99	2.5	SW846 8260B
1,1,2,2-Tetrachloroethane	10	8.6	ug/L	86		SW846 8260B
	10	8.7	ug/L	87	1.2	SW846 8260B
Tetrachloroethene	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	100	0.64	SW846 8260B
Toluene	10	9.6	ug/L	96		SW846 8260B
	10	9.5	ug/L	95	1.0	SW846 8260B
1,1,1-Trichloroethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	101	0.48	SW846 8260B
1,1,2-Trichloroethane	10	9.3	ug/L	93		SW846 8260B
	10	9.2	ug/L	92	2.0	SW846 8260B
Trichloroethene	10	10	ug/L	102		SW846 8260B
	10	9.9	ug/L	99	3.0	SW846 8260B
Vinyl chloride	10	7.3	ug/L	73		SW846 8260B
	10	7.0	ug/L	70	4.7	SW846 8260B
Xylenes (total)	30	31	ug/L	102		SW846 8260B
	30	30	ug/L	100	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	89	(61 - 128)
Toluene-d8	91	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)
	97	(74 - 116)

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

GC/MS Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LMH1J1AC-LCS **Matrix.....**: WATER
LCS Lot-Sample#: A9J130000-550 LMH1J1AD-LCSD
Prep Date.....: 10/13/09 **Analysis Date...**: 10/13/09
Prep Batch #...: 9286550
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	131	(22 - 200)			SW846 8260B
	103	(22 - 200)	24	(0-95)	SW846 8260B
Benzene	103	(80 - 116)			SW846 8260B
	105	(80 - 116)	2.1	(0-20)	SW846 8260B
Bromodichloromethane	104	(87 - 130)			SW846 8260B
	104	(87 - 130)	0.030	(0-30)	SW846 8260B
Bromoform	99	(76 - 150)			SW846 8260B
	99	(76 - 150)	0.59	(0-30)	SW846 8260B
Bromomethane	130 a	(64 - 129)			SW846 8260B
	158 a	(64 - 129)	19	(0-30)	SW846 8260B
2-Butanone	94	(28 - 237)			SW846 8260B
	82	(28 - 237)	14	(0-65)	SW846 8260B
Carbon disulfide	96	(73 - 139)			SW846 8260B
	101	(73 - 139)	4.8	(0-30)	SW846 8260B
Carbon tetrachloride	114	(75 - 149)			SW846 8260B
	118	(75 - 149)	3.4	(0-30)	SW846 8260B
Chlorobenzene	97	(76 - 117)			SW846 8260B
	101	(76 - 117)	3.6	(0-20)	SW846 8260B
Chloroethane	102	(66 - 126)			SW846 8260B
	113	(66 - 126)	10	(0-30)	SW846 8260B
Chloroform	106	(84 - 128)			SW846 8260B
	109	(84 - 128)	2.9	(0-30)	SW846 8260B
Chloromethane	98	(48 - 123)			SW846 8260B
	103	(48 - 123)	5.1	(0-30)	SW846 8260B
Dibromochloromethane	93	(81 - 138)			SW846 8260B
	96	(81 - 138)	3.3	(0-30)	SW846 8260B
1,1-Dichloroethane	108	(86 - 123)			SW846 8260B
	108	(86 - 123)	0.69	(0-30)	SW846 8260B
1,2-Dichloroethane	103	(79 - 136)			SW846 8260B
	104	(79 - 136)	0.94	(0-30)	SW846 8260B
1,1-Dichloroethene	102	(63 - 130)			SW846 8260B
	106	(63 - 130)	4.0	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	105	(85 - 113)			SW846 8260B
	105	(85 - 113)	0.22	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	109	(80 - 120)			SW846 8260B
	109	(80 - 120)	0.10	(0-30)	SW846 8260B
1,2-Dichloropropane	105	(82 - 115)			SW846 8260B
	109	(82 - 115)	3.5	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	95	(84 - 130)			SW846 8260B
	98	(84 - 130)	3.3	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LMH1J1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A9J130000-550 LMH1J1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,3-Dichloropropene	86	(84 - 130)			SW846 8260B
	87	(84 - 130)	0.87	(0-30)	SW846 8260B
Ethylbenzene	97	(86 - 116)			SW846 8260B
	103	(86 - 116)	5.8	(0-30)	SW846 8260B
2-Hexanone	76	(35 - 200)			SW846 8260B
	77	(35 - 200)	1.1	(0-52)	SW846 8260B
Methylene chloride	105	(78 - 118)			SW846 8260B
	109	(78 - 118)	3.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone	87	(78 - 141)			SW846 8260B
	87	(78 - 141)	0.10	(0-32)	SW846 8260B
Styrene	102	(85 - 117)			SW846 8260B
	104	(85 - 117)	2.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	82 a	(85 - 118)			SW846 8260B
	83 a	(85 - 118)	0.59	(0-30)	SW846 8260B
Tetrachloroethene	104	(88 - 113)			SW846 8260B
	108	(88 - 113)	3.9	(0-30)	SW846 8260B
Toluene	94	(74 - 119)			SW846 8260B
	97	(74 - 119)	3.4	(0-20)	SW846 8260B
1,1,1-Trichloroethane	108	(78 - 140)			SW846 8260B
	113	(78 - 140)	4.2	(0-30)	SW846 8260B
1,1,2-Trichloroethane	91	(83 - 122)			SW846 8260B
	93	(83 - 122)	2.2	(0-30)	SW846 8260B
Trichloroethene	110	(75 - 122)			SW846 8260B
	109	(75 - 122)	1.2	(0-20)	SW846 8260B
Vinyl chloride	112	(61 - 120)			SW846 8260B
	117	(61 - 120)	4.0	(0-30)	SW846 8260B
Xylenes (total)	101	(87 - 116)			SW846 8260B
	106	(87 - 116)	4.7	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	95	(61 - 128)
Toluene-d8	90	(76 - 110)
	93	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	97	(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 #...: 9I29153 **Work Order #...**: LMH1J1AC-LCS **Matrix.....**: WATER
LCS Lot-Sample#: A9J130000-550 LMH1J1AD-LCSD
Prep Date.....: 10/13/09 **Analysis Date...**: 10/13/09
Prep Batch #...: 9286550
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	13	ug/L	131		SW846 8260B
	10	10	ug/L	103	24	SW846 8260B
Benzene	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	105	2.1	SW846 8260B
Bromodichloromethane	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	104	0.030	SW846 8260B
Bromoform	10	9.9	ug/L	99		SW846 8260B
	10	9.9	ug/L	99	0.59	SW846 8260B
Bromomethane	10	13 a	ug/L	130		SW846 8260B
	10	16 a	ug/L	158	19	SW846 8260B
2-Butanone	10	9.4	ug/L	94		SW846 8260B
	10	8.2	ug/L	82	14	SW846 8260B
Carbon disulfide	10	9.6	ug/L	96		SW846 8260B
	10	10	ug/L	101	4.8	SW846 8260B
Carbon tetrachloride	10	11	ug/L	114		SW846 8260B
	10	12	ug/L	118	3.4	SW846 8260B
Chlorobenzene	10	9.7	ug/L	97		SW846 8260B
	10	10	ug/L	101	3.6	SW846 8260B
Chloroethane	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	113	10	SW846 8260B
Chloroform	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	109	2.9	SW846 8260B
Chloromethane	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	103	5.1	SW846 8260B
Dibromochloromethane	10	9.3	ug/L	93		SW846 8260B
	10	9.6	ug/L	96	3.3	SW846 8260B
1,1-Dichloroethane	10	11	ug/L	108		SW846 8260B
	10	11	ug/L	108	0.69	SW846 8260B
1,2-Dichloroethane	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	104	0.94	SW846 8260B
1,1-Dichloroethene	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	106	4.0	SW846 8260B
cis-1,2-Dichloroethene	10	10	ug/L	105		SW846 8260B
	10	10	ug/L	105	0.22	SW846 8260B
trans-1,2-Dichloroethene	10	11	ug/L	109		SW846 8260B
	10	11	ug/L	109	0.10	SW846 8260B
1,2-Dichloropropane	10	11	ug/L	105		SW846 8260B
	10	11	ug/L	109	3.5	SW846 8260B
cis-1,3-Dichloropropene	10	9.5	ug/L	95		SW846 8260B
	10	9.8	ug/L	98	3.3	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LMH1J1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J130000-550 LMH1J1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
trans-1,3-Dichloropropene	10	8.6	ug/L	86		SW846 8260B
	10	8.7	ug/L	87	0.87	SW846 8260B
Ethylbenzene	10	9.7	ug/L	97		SW846 8260B
	10	10	ug/L	103	5.8	SW846 8260B
2-Hexanone	10	7.6	ug/L	76		SW846 8260B
	10	7.7	ug/L	77	1.1	SW846 8260B
Methylene chloride	10	11	ug/L	105		SW846 8260B
	10	11	ug/L	109	3.3	SW846 8260B
4-Methyl-2-pentanone	10	8.7	ug/L	87		SW846 8260B
	10	8.7	ug/L	87	0.10	SW846 8260B
Styrene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	104	2.2	SW846 8260B
1,1,2,2-Tetrachloroethane	10	8.2 a	ug/L	82		SW846 8260B
	10	8.3 a	ug/L	83	0.59	SW846 8260B
Tetrachloroethene	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	108	3.9	SW846 8260B
Toluene	10	9.4	ug/L	94		SW846 8260B
	10	9.7	ug/L	97	3.4	SW846 8260B
1,1,1-Trichloroethane	10	11	ug/L	108		SW846 8260B
	10	11	ug/L	113	4.2	SW846 8260B
1,1,2-Trichloroethane	10	9.1	ug/L	91		SW846 8260B
	10	9.3	ug/L	93	2.2	SW846 8260B
Trichloroethene	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	109	1.2	SW846 8260B
Vinyl chloride	10	11	ug/L	112		SW846 8260B
	10	12	ug/L	117	4.0	SW846 8260B
Xylenes (total)	30	30	ug/L	101		SW846 8260B
	30	32	ug/L	106	4.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	95	(61 - 128)
Toluene-d8	90	(76 - 110)
	93	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	97	(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 #....: 9I29153 Work Order #....: LL3WT1AA Matrix.....: SOLID
 LCS Lot-Sample#: A9J060000-453
 Prep Date.....: 10/06/09 Analysis Date...: 10/06/09
 Prep Batch #....: 9279453
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	103	(76 - 118)	SW846 8260B
2-Butanone (MEK)	101	(40 - 110)	SW846 8260B
Carbon tetrachloride	82	(71 - 124)	SW846 8260B
Chlorobenzene	103	(76 - 113)	SW846 8260B
Chloroform	104	(82 - 117)	SW846 8260B
1,2-Dichloroethane	103	(78 - 122)	SW846 8260B
1,1-Dichloroethylene	92	(67 - 128)	SW846 8260B
Tetrachloroethylene	109	(64 - 121)	SW846 8260B
Trichloroethylene	106	(76 - 119)	SW846 8260B
Vinyl chloride	97	(47 - 123)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(86 - 124)
1,2-Dichloroethane-d4	96	(80 - 122)
Toluene-d8	101	(90 - 122)
4-Bromofluorobenzene	93	(84 - 125)

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 Volatiles

Client Lot #....: 9I29153 Work Order #....: LL3WT1AA Matrix.....: SOLID
 LCS Lot-Sample#: A9J060000-453
 Prep Date.....: 10/06/09 Analysis Date...: 10/06/09
 Prep Batch #....: 9279453
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
Benzene	1.0	1.0	mg/L	103	SW846 8260B
2-Butanone (MEK)	1.0	1.0	mg/L	101	SW846 8260B
Carbon tetrachloride	1.0	0.82	mg/L	82	SW846 8260B
Chlorobenzene	1.0	1.0	mg/L	103	SW846 8260B
Chloroform	1.0	1.0	mg/L	104	SW846 8260B
1,2-Dichloroethane	1.0	1.0	mg/L	103	SW846 8260B
1,1-Dichloroethylene	1.0	0.92	mg/L	92	SW846 8260B
Tetrachloroethylene	1.0	1.1	mg/L	109	SW846 8260B
Trichloroethylene	1.0	1.1	mg/L	106	SW846 8260B
Vinyl chloride	1.0	0.97	mg/L	97	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	99	(86 - 124)
1,2-Dichloroethane-d4	96	(80 - 122)
Toluene-d8	101	(90 - 122)
4-Bromofluorobenzene	93	(84 - 125)

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

GC/MS Semivolatiles

Client Lot #....: 9I29153 Work Order #....: LL1731AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J060000-044 LL1731AD-LCSD
 Prep Date.....: 10/06/09 Analysis Date...: 10/07/09
 Prep Batch #....: 9279044
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
o-Cresol	89	(23 - 110)			SW846 8270C
	80	(23 - 110)	10	(0-30)	SW846 8270C
m-Cresol & p-Cresol	82	(28 - 110)			SW846 8270C
	73	(28 - 110)	11	(0-30)	SW846 8270C
1,4-Dichlorobenzene	89	(13 - 110)			SW846 8270C
	80	(13 - 110)	11	(0-30)	SW846 8270C
2,4-Dinitrotoluene	104	(45 - 119)			SW846 8270C
	99	(45 - 119)	5.8	(0-30)	SW846 8270C
Hexachlorobenzene	92	(46 - 112)			SW846 8270C
	86	(46 - 112)	6.8	(0-30)	SW846 8270C
Hexachlorobutadiene	82	(10 - 110)			SW846 8270C
	76	(10 - 110)	7.6	(0-30)	SW846 8270C
Hexachloroethane	80	(10 - 110)			SW846 8270C
	73	(10 - 110)	9.6	(0-30)	SW846 8270C
Nitrobenzene	89	(29 - 118)			SW846 8270C
	86	(29 - 118)	3.3	(0-30)	SW846 8270C
Pentachlorophenol	108	(10 - 116)			SW846 8270C
	91	(10 - 116)	17	(0-30)	SW846 8270C
Pyridine	86	(15 - 110)			SW846 8270C
	78	(15 - 110)	9.2	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	87	(36 - 110)			SW846 8270C
	84	(36 - 110)	4.0	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	91	(32 - 110)			SW846 8270C
	82	(32 - 110)	9.6	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(27 - 110)
	85	(27 - 110)
2-Fluorobiphenyl	86	(20 - 110)
	81	(20 - 110)
Terphenyl-d14	102	(44 - 110)
	94	(44 - 110)
Phenol-d5	65	(10 - 110)
	59	(10 - 110)
2-Fluorophenol	78	(10 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 9I29153 Work Order #...: LL1731AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A9J060000-044 LL1731AD-LCSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	71	(10 - 110)
2,4,6-Tribromophenol	90	(28 - 110)
	81	(28 - 110)

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 #...: 9I29153 Work Order #...: LL1731AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J060000-044 LL1731AD-LCSD
 Prep Date.....: 10/06/09 Analysis Date...: 10/07/09
 Prep Batch #...: 9279044
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
o-Cresol	0.080	0.071	mg/L	89		SW846 8270C
	0.080	0.064	mg/L	80	10	SW846 8270C
m-Cresol & p-Cresol	0.16	0.13	mg/L	82		SW846 8270C
	0.16	0.12	mg/L	73	11	SW846 8270C
1,4-Dichlorobenzene	0.080	0.071	mg/L	89		SW846 8270C
	0.080	0.064	mg/L	80	11	SW846 8270C
2,4-Dinitrotoluene	0.080	0.084	mg/L	104		SW846 8270C
	0.080	0.079	mg/L	99	5.8	SW846 8270C
Hexachlorobenzene	0.080	0.074	mg/L	92		SW846 8270C
	0.080	0.069	mg/L	86	6.8	SW846 8270C
Hexachlorobutadiene	0.080	0.066	mg/L	82		SW846 8270C
	0.080	0.061	mg/L	76	7.6	SW846 8270C
Hexachloroethane	0.080	0.064	mg/L	80		SW846 8270C
	0.080	0.058	mg/L	73	9.6	SW846 8270C
Nitrobenzene	0.080	0.071	mg/L	89		SW846 8270C
	0.080	0.069	mg/L	86	3.3	SW846 8270C
Pentachlorophenol	0.080	0.086	mg/L	108		SW846 8270C
	0.080	0.073	mg/L	91	17	SW846 8270C
Pyridine	0.080	0.068	mg/L	86		SW846 8270C
	0.080	0.062	mg/L	78	9.2	SW846 8270C
2,4,5-Trichloro-phenol	0.080	0.070	mg/L	87		SW846 8270C
	0.080	0.067	mg/L	84	4.0	SW846 8270C
2,4,6-Trichloro-phenol	0.080	0.073	mg/L	91		SW846 8270C
	0.080	0.066	mg/L	82	9.6	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(27 - 110)
	85	(27 - 110)
2-Fluorobiphenyl	86	(20 - 110)
	81	(20 - 110)
Terphenyl-d14	102	(44 - 110)
	94	(44 - 110)
Phenol-d5	65	(10 - 110)
	59	(10 - 110)
2-Fluorophenol	78	(10 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 9I29153 Work Order #...: LL1731AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A9J060000-044 LL1731AD-LCSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	71	(10 - 110)
2,4,6-Tribromophenol	90	(28 - 110)
	81	(28 - 110)

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

GC Volatiles

Client Lot #...: 9I29153 Work Order #...: LL08T1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J050000-089 LL08T1AD-LCSD
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #...: 9278089
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	105	(60 - 142)			SW846 8015B
	107	(60 - 142)	1.8	(0-27)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	114	(10 - 150)
	113	(10 - 150)

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 Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LL08T1AC-LCS **Matrix.....**: SOLID
LCS Lot-Sample#: A9J050000-089 LL08T1AD-LCSD
Prep Date.....: 10/01/09 **Analysis Date...**: 10/02/09
Prep Batch #...: 9278089
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
TPH (as Gasoline)	10000	10000	ug/kg	105		SW846 8015B
	10000	11000	ug/kg	107	1.8	SW846 8015B
<u>SURROGATE</u>			<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Trifluorotoluene			114	(10 - 150)		
			113	(10 - 150)		

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

GC Volatiles

Client Lot #...: 9I29153 Work Order #...: LL19R1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J060000-090 LL19R1AD-LCSD
 Prep Date.....: 10/05/09 Analysis Date...: 10/05/09
 Prep Batch #...: 9279090
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	93	(60 - 142)			SW846 8015B
	101	(60 - 142)	8.2	(0-27)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	99	(10 - 150)
	103	(10 - 150)

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 Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LL19R1AC-LCS **Matrix.....**: SOLID
LCS Lot-Sample#: A9J060000-090 LL19R1AD-LCSD
Prep Date.....: 10/05/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9279090
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
TPH (as Gasoline)	200	190	ug/kg	93		SW846 8015B
	200	200	ug/kg	101	8.2	SW846 8015B
<u>SURROGATE</u>			<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Trifluorotoluene			99	(10 - 150)		
			103	(10 - 150)		

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

GC Volatiles

Client Lot #...: 9I29153 Work Order #...: LL6PC1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J080000-069 LL6PC1AD-LCSD
 Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
 Prep Batch #...: 9281069
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	96	(72 - 140)			SW846 8015B
	109	(72 - 140)	12	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	130	(10 - 150)
	128	(10 - 150)

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 Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LL6PC1AC-LCS **Matrix.....**: WATER
LCS Lot-Sample#: A9J080000-069 LL6PC1AD-LCSD
Prep Date.....: 10/07/09 **Analysis Date...**: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
TPH (as Gasoline)	200	190	ug/L	96		SW846 8015B
	200	220	ug/L	109	12	SW846 8015B
<u>SURROGATE</u>				<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
Trifluorotoluene				130		(10 - 150)
				128		(10 - 150)

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

GC Volatiles

Client Lot #...: 9I29153 Work Order #...: LL6PD1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: A9J080000-071 LL6PD1AD-LCSD
 Prep Date.....: 10/07/09 Analysis Date...: 10/07/09
 Prep Batch #...: 9281071
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	107	(60 - 142)			SW846 8015B
	106	(60 - 142)	0.60	(0-27)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	105	(10 - 150)
	105	(10 - 150)

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 Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LL6PD1AC-LCS **Matrix.....**: SOLID
LCS Lot-Sample#: A9J080000-071 LL6PD1AD-LCSD
Prep Date.....: 10/07/09 **Analysis Date...**: 10/07/09
Prep Batch #...: 9281071
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
TPH (as Gasoline)	200	210	ug/kg	107		SW846 8015B
	200	210	ug/kg	106	0.60	SW846 8015B
<u>SURROGATE</u>			<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Trifluorotoluene			105	(10 - 150)		
			105	(10 - 150)		

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

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPE41AC **Matrix.....**: SOLID
LCS Lot-Sample#: A9I300000-038
Prep Date.....: 09/30/09 **Analysis Date...**: 10/02/09
Prep Batch #...: 9273038
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	74	(47 - 138)	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)		26	(10 - 110)

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 Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPE41AC **Matrix.....**: SOLID
LCS Lot-Sample#: A9I300000-038
Prep Date.....: 09/30/09 **Analysis Date...**: 10/02/09
Prep Batch #...: 9273038
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
TPH (as Diesel)	17	12	mg/kg	74	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	26	(10 - 110)

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

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLTF51AC **Matrix.....**: SOLID
LCS Lot-Sample#: A9J010000-322
Prep Date.....: 10/01/09 **Analysis Date...**: 10/03/09
Prep Batch #...: 9274322
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	89	(47 - 138)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	32	(10 - 110)

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 Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLTF51AC **Matrix.....**: SOLID
LCS Lot-Sample#: A9J010000-322
Prep Date.....: 10/01/09 **Analysis Date...**: 10/03/09
Prep Batch #...: 9274322
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
TPH (as Diesel)	17	15	mg/kg	89	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	32	(10 - 110)

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

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLX2G1AC **Matrix.....**: WATER
LCS Lot-Sample#: A9J020000-470
Prep Date.....: 10/02/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9275470
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	96	(36 - 124)	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)		55	(10 - 110)

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 Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLX2G1AC **Matrix.....**: WATER
LCS Lot-Sample#: A9J020000-470
Prep Date.....: 10/02/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9275470
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
TPH (as Diesel)	500	480	ug/L	96	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	55	(10 - 110)

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

GC Semivolatiles

Client Lot #...: 9I29153 Work Order #...: LMEC11AC Matrix.....: SOLID
 LCS Lot-Sample#: A9J120000-056
 Prep Date.....: 10/12/09 Analysis Date...: 10/13/09
 Prep Batch #...: 9285056
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	94	(47 - 138)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	38	(10 - 110)

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 Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LMEC11AC **Matrix.....**: SOLID
LCS Lot-Sample#: A9J120000-056
Prep Date.....: 10/12/09 **Analysis Date...**: 10/13/09
Prep Batch #...: 9285056
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
TPH (as Diesel)	17	16	mg/kg	94	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
C9 (nonane)	38	(10 - 110)

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

GC Semivolatiles

Client Lot #...: 9I29153 Work Order #...: LL18A1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J060000-047 LL18A1AD-LCSD
 Prep Date.....: 10/06/09 Analysis Date...: 10/08/09
 Prep Batch #...: 9279047
 Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Endrin	76	(50 - 110)			SW846 8081A
	87	(50 - 110)	14	(0-93)	SW846 8081A
Heptachlor	79	(57 - 110)			SW846 8081A
	86	(57 - 110)	8.5	(0-88)	SW846 8081A
Heptachlor epoxide	86	(56 - 110)			SW846 8081A
	96	(56 - 110)	11	(0-86)	SW846 8081A
Lindane	82	(56 - 110)			SW846 8081A
	92	(56 - 110)	12	(0-88)	SW846 8081A
Methoxychlor	81	(41 - 126)			SW846 8081A
	87	(41 - 126)	7.0	(0-94)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(31 - 115)
	86	(31 - 115)
Tetrachloro-m-xylene	74	(47 - 110)
	84	(47 - 110)

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 Semivolatiles

Client Lot #...: 9I29153 Work Order #...: LL18A1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J060000-047 LL18A1AD-LCSD
 Prep Date.....: 10/06/09 Analysis Date...: 10/08/09
 Prep Batch #...: 9279047
 Dilution Factor: 5

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Endrin	0.0020	0.0015	mg/L	76		SW846 8081A
	0.0020	0.0017	mg/L	87	14	SW846 8081A
Heptachlor	0.0020	0.0016	mg/L	79		SW846 8081A
	0.0020	0.0017	mg/L	86	8.5	SW846 8081A
Heptachlor epoxide	0.0020	0.0017	mg/L	86		SW846 8081A
	0.0020	0.0019	mg/L	96	11	SW846 8081A
Lindane	0.0020	0.0016	mg/L	82		SW846 8081A
	0.0020	0.0018	mg/L	92	12	SW846 8081A
Methoxychlor	0.0040	0.0032	mg/L	81		SW846 8081A
	0.0040	0.0035	mg/L	87	7.0	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(31 - 115)
	86	(31 - 115)
Tetrachloro-m-xylene	74	(47 - 110)
	84	(47 - 110)

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

GC Semivolatiles

Client Lot #....: 9I29153 Work Order #....: LL1761AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J060000-029 LL1761AD-LCSD
 Prep Date.....: 10/06/09 Analysis Date...: 10/07/09
 Prep Batch #....: 9279029
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
2,4-D	85	(35 - 136)			SW846 8151A
	94	(35 - 136)	9.9	(0-50)	SW846 8151A
2,4,5-TP (Silvex)	88	(46 - 112)			SW846 8151A
	96	(46 - 112)	8.5	(0-63)	SW846 8151A
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>	
2,4-Dichlorophenylacetic acid		81		(37 - 116)	
		85		(37 - 116)	

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 Semivolatiles

Client Lot #....: 9I29153 Work Order #....: LL1761AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A9J060000-029 LL1761AD-LCSD
 Prep Date.....: 10/06/09 Analysis Date...: 10/07/09
 Prep Batch #....: 9279029
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-D	0.020	0.017	mg/L	85		SW846 8151A
	0.020	0.019	mg/L	94	9.9	SW846 8151A
2,4,5-TP (Silvex)	0.0050	0.0044	mg/L	88		SW846 8151A
	0.0050	0.0048	mg/L	96	8.5	SW846 8151A
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
2,4-Dichlorophenylacetic acid			81	(37 - 116)		
			85	(37 - 116)		

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

TCLP Metals

Client Lot #...: 9I29153

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A9J060000-014 Prep Batch #... 9279014					
Arsenic	104	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AK
		Dilution Factor: 1			
Barium	101	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AL
		Dilution Factor: 1			
Cadmium	107	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AM
		Dilution Factor: 1			
Chromium	103	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AN
		Dilution Factor: 1			
Lead	107	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AP
		Dilution Factor: 1			
Selenium	108	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AQ
		Dilution Factor: 1			
Silver	118	(50 - 150)	SW846 6010B	10/06-10/07/09	LL16X1AR
		Dilution Factor: 1			
Mercury	81	(50 - 150)	SW846 7470A	10/06-10/07/09	LL16X1AT
		Dilution Factor: 1			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: 9I29153

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A9J060000-014 Prep Batch #...: 9279014							
Arsenic	2.0	2.1	mg/L	104	SW846 6010B	10/06-10/07/09	LL16X1AK
			Dilution Factor: 1				
Barium	2.0	2.0	mg/L	101	SW846 6010B	10/06-10/07/09	LL16X1AL
			Dilution Factor: 1				
Cadmium	0.050	0.053	mg/L	107	SW846 6010B	10/06-10/07/09	LL16X1AM
			Dilution Factor: 1				
Chromium	0.20	0.21	mg/L	103	SW846 6010B	10/06-10/07/09	LL16X1AN
			Dilution Factor: 1				
Lead	0.50	0.54	mg/L	107	SW846 6010B	10/06-10/07/09	LL16X1AP
			Dilution Factor: 1				
Selenium	2.0	2.2	mg/L	108	SW846 6010B	10/06-10/07/09	LL16X1AQ
			Dilution Factor: 1				
Silver	0.050	0.059	mg/L	118	SW846 6010B	10/06-10/07/09	LL16X1AR
			Dilution Factor: 1				
Mercury	0.0050	0.0041	mg/L	81	SW846 7470A	10/06-10/07/09	LL16X1AT
			Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: 9I29153

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:LL4EA1AC-LCS/LL4EA1AD-LCSD			LCS	Lot-Sample#: A9J020000-369	
	99	(85 - 115)			SM18 5210 B	10/02-10/07/09	9275369
	96	(85 - 115)	2.8	(0-20)	SM18 5210 B	10/02-10/07/09	9275369
		Dilution Factor: 1					

NOTE(S):

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

General Chemistry

Matrix.....: WATER

PARAMETER	SPIKE	MEASURED	PERCNT				PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
Biochemical Oxygen Demand (BOD)		WO#:LL4EA1AC-	LCS/LL4EA1AD-	LCSD	LCS	Lot-Sample#:	A9J020000-	369
	200	200	mg/L	99		SM18 5210 B	10/02-10/07/09	9275369
	200	190	mg/L	96	2.8	SM18 5210 B	10/02-10/07/09	9275369
		Dilution Factor: 1						

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 9I29153

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Acid-soluble sulfide	79	Work Order #: LL3GN1AC (70 - 130)	LCS Lot-Sample#: A9J0600000-364 SW846 9030B/9034	10/06/09	9279364
		Dilution Factor: 1			
Corrosivity	99	Work Order #: LLXJ81AA (97 - 103)	LCS Lot-Sample#: A9J0200000-386 SW846 9045A	10/02/09	9275386
		Dilution Factor: 1			
Total Cyanide	111	Work Order #: LL3X41AC (69 - 118)	LCS Lot-Sample#: A9J0600000-458 SW846 9012A	10/06/09	9279458
		Dilution Factor: 1			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: 9I29153

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	9.5	7.5	mg/L	79	SW846 9030B/9034	10/06/09	9279364
Work Order #: LL3GN1AC LCS Lot-Sample#: A9J0600000-364 Dilution Factor: 1							
Corrosivity	8.5	8.4	No Units	99	SW846 9045A	10/02/09	9275386
Work Order #: LLXJ81AA LCS Lot-Sample#: A9J0200000-386 Dilution Factor: 1							
Total Cyanide	0.60	0.66	mg/L	111	SW846 9012A	10/06/09	9279458
Work Order #: LL3X41AC LCS Lot-Sample#: A9J0600000-458 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 #...: 9I29153 Work Order #...: LLP6F1AN-MS Matrix.....: SOLID
 MS Lot-Sample #: A9I300179-015 LLP6F1AP-MSD
 Date Sampled...: 09/29/09 14:10 Date Received...: 09/30/09
 Prep Date.....: 09/30/09 Analysis Date...: 10/05/09
 Prep Batch #...: 9274348
 Dilution Factor: 5.89 % Moisture.....: 12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	118 DIL	(10 - 200)			SW846 8260B
	99 DIL	(10 - 200)	15	(0-66)	SW846 8260B
Benzene	88 DIL	(55 - 138)			SW846 8260B
	81 DIL, p	(55 - 138)	25	(0-20)	SW846 8260B
Bromodichloromethane	78 DIL	(47 - 131)			SW846 8260B
	76 DIL	(47 - 131)	20	(0-51)	SW846 8260B
Bromoform	77 DIL	(26 - 141)			SW846 8260B
	66 DIL	(26 - 141)	33	(0-64)	SW846 8260B
Bromomethane	83 DIL	(15 - 152)			SW846 8260B
	79 DIL	(15 - 152)	22	(0-72)	SW846 8260B
2-Butanone	101 DIL	(21 - 195)			SW846 8260B
	97 DIL	(21 - 195)	21	(0-60)	SW846 8260B
Carbon disulfide	0.0 DIL, a	(27 - 149)			SW846 8260B
	31 DIL, p	(27 - 149)	200	(0-73)	SW846 8260B
Carbon tetrachloride	89 DIL	(32 - 143)			SW846 8260B
	78 DIL	(32 - 143)	30	(0-68)	SW846 8260B
Chlorobenzene	81 DIL	(49 - 139)			SW846 8260B
	72 DIL, p	(49 - 139)	24	(0-22)	SW846 8260B
Dibromochloromethane	73 DIL	(44 - 135)			SW846 8260B
	70 DIL	(44 - 135)	21	(0-61)	SW846 8260B
Chloroethane	79 DIL	(32 - 140)			SW846 8260B
	75 DIL	(32 - 140)	22	(0-66)	SW846 8260B
Chloroform	89 DIL	(59 - 128)			SW846 8260B
	85 DIL	(59 - 128)	22	(0-46)	SW846 8260B
Chloromethane	56 DIL	(28 - 130)			SW846 8260B
	53 DIL	(28 - 130)	21	(0-81)	SW846 8260B
1,1-Dichloroethane	91 DIL	(56 - 130)			SW846 8260B
	83 DIL	(56 - 130)	26	(0-54)	SW846 8260B
1,2-Dichloroethane	88 DIL	(56 - 126)			SW846 8260B
	86 DIL	(56 - 126)	18	(0-38)	SW846 8260B
1,1-Dichloroethene	88 DIL	(43 - 147)			SW846 8260B
	86 DIL	(43 - 147)	19	(0-27)	SW846 8260B
cis-1,2-Dichloroethene	37 DIL, a	(48 - 127)			SW846 8260B
	38 DIL, a	(48 - 127)	3.9	(0-52)	SW846 8260B
trans-1,2-Dichloroethene	82 DIL	(47 - 127)			SW846 8260B
	77 DIL	(47 - 127)	23	(0-58)	SW846 8260B
1,2-Dichloropropane	88 DIL	(54 - 125)			SW846 8260B
	83 DIL	(54 - 125)	23	(0-43)	SW846 8260B
cis-1,3-Dichloropropene	78 DIL	(30 - 138)			SW846 8260B
	72 DIL	(30 - 138)	24	(0-49)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLP6F1AN-MS Matrix.....: SOLID
MS Lot-Sample #: A9I300179-015 LLP6F1AP-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,3-Dichloropropene	80 DIL	(34 - 134)			SW846 8260B
	72 DIL	(34 - 134)	27	(0-57)	SW846 8260B
Ethylbenzene	0.0 DIL, a	(36 - 133)			SW846 8260B
	0.0 DIL, a	(36 - 133)	0.0	(0-72)	SW846 8260B
2-Hexanone	0.0 DIL, a	(20 - 190)			SW846 8260B
	0.0 DIL, a	(20 - 190)	0.0	(0-70)	SW846 8260B
Methylene chloride	154 DIL, a	(45 - 129)			SW846 8260B
	195 DIL, a	(45 - 129)	3.6	(0-49)	SW846 8260B
4-Methyl-2-pentanone	73 DIL	(42 - 143)			SW846 8260B
	68 DIL	(42 - 143)	24	(0-60)	SW846 8260B
Styrene	133 DIL	(23 - 136)			SW846 8260B
	117 DIL	(23 - 136)	30	(0-65)	SW846 8260B
1,1,2,2-Tetrachloroethane	133 DIL	(33 - 162)			SW846 8260B
	175 DIL, a	(33 - 162)	10	(0-90)	SW846 8260B
Tetrachloroethene	93 DIL	(31 - 137)			SW846 8260B
	86 DIL	(31 - 137)	25	(0-81)	SW846 8260B
Toluene	38 DIL, a	(46 - 147)			SW846 8260B
	5.2 DIL, a	(46 - 147)	23	(0-24)	SW846 8260B
1,1,1-Trichloroethane	93 DIL	(48 - 132)			SW846 8260B
	85 DIL	(48 - 132)	26	(0-57)	SW846 8260B
1,1,2-Trichloroethane	96 DIL	(58 - 128)			SW846 8260B
	95 DIL	(58 - 128)	18	(0-52)	SW846 8260B
Trichloroethene	151 DIL, a	(46 - 143)			SW846 8260B
	117 DIL, p	(46 - 143)	42	(0-23)	SW846 8260B
Vinyl chloride	55 DIL	(30 - 136)			SW846 8260B
	50 DIL	(30 - 136)	21	(0-80)	SW846 8260B
Xylenes (total)	0.0 DIL, a	(33 - 135)			SW846 8260B
	0.0 DIL, a	(33 - 135)	0.0	(0-78)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	81 DIL	(59 - 138)
	79 DIL	(59 - 138)
1,2-Dichloroethane-d4	85 DIL	(61 - 130)
	78 DIL	(61 - 130)
Toluene-d8	90 DIL	(60 - 143)
	83 DIL	(60 - 143)
4-Bromofluorobenzene	86 DIL	(47 - 158)
	80 DIL	(47 - 158)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLP6F1AN-MS **Matrix.....**: SOLID
MS Lot-Sample #: A9I300179-015 LLP6F1AP-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>

NOTE(S):

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

Bold print denotes control parameters

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

Results and reporting limits have been adjusted for dry weight.

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLP6F1AN-MS Matrix.....: SOLID
 MS Lot-Sample #: A9I300179-015 LLP6F1AP-MSD
 Date Sampled...: 09/29/09 14:10 Date Received...: 09/30/09
 Prep Date.....: 09/30/09 Analysis Date...: 10/05/09
 Prep Batch #...: 9274348
 Dilution Factor: 5.89 % Moisture.....: 12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	1300	1000	2500	ug/kg	118		SW846 8260B
	Qualifiers: DIL						
	1300	850	2100	ug/kg	99 DIL	15	SW846 8260B
Benzene	ND	1000	880	ug/kg	88 DIL		SW846 8260B
	ND	850	680	ug/kg	81	25	SW846 8260B
	Qualifiers: DIL,p						
Bromodichloromethane	ND	1000	790	ug/kg	78 DIL		SW846 8260B
	ND	850	640	ug/kg	76 DIL	20	SW846 8260B
Bromoform	ND	1000	770	ug/kg	77 DIL		SW846 8260B
	ND	850	550	ug/kg	66 DIL	33	SW846 8260B
Bromomethane	ND	1000	840	ug/kg	83 DIL		SW846 8260B
	ND	850	670	ug/kg	79 DIL	22	SW846 8260B
2-Butanone	ND	1000	1000	ug/kg	101		SW846 8260B
	Qualifiers: DIL						
	ND	850	820	ug/kg	97 DIL	21	SW846 8260B
Carbon disulfide	ND	1000	0.0	ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,a						
	ND	850	260	ug/kg	31	200	SW846 8260B
	Qualifiers: DIL,p						
Carbon tetrachloride	ND	1000	890	ug/kg	89 DIL		SW846 8260B
	ND	850	660	ug/kg	78 DIL	30	SW846 8260B
Chlorobenzene	140	1000	950	ug/kg	81 DIL		SW846 8260B
	140	850	750	ug/kg	72	24	SW846 8260B
	Qualifiers: DIL,p						
Dibromochloromethane	ND	1000	730	ug/kg	73 DIL		SW846 8260B
	ND	850	590	ug/kg	70 DIL	21	SW846 8260B
Chloroethane	ND	1000	790	ug/kg	79 DIL		SW846 8260B
	ND	850	640	ug/kg	75 DIL	22	SW846 8260B
Chloroform	ND	1000	890	ug/kg	89 DIL		SW846 8260B
	ND	850	710	ug/kg	85 DIL	22	SW846 8260B
Chloromethane	38	1000	600	ug/kg	56 DIL		SW846 8260B
	38	850	490	ug/kg	53 DIL	21	SW846 8260B
1,1-Dichloroethane	ND	1000	910	ug/kg	91 DIL		SW846 8260B
	ND	850	700	ug/kg	83 DIL	26	SW846 8260B
1,2-Dichloroethane	ND	1000	880	ug/kg	88 DIL		SW846 8260B
	ND	850	730	ug/kg	86 DIL	18	SW846 8260B
1,1-Dichloroethene	ND	1000	880	ug/kg	88 DIL		SW846 8260B
	ND	850	730	ug/kg	86 DIL	19	SW846 8260B
cis-1,2-Dichloroethene	940	1000	1300	ug/kg	37		SW846 8260B
	Qualifiers: DIL,a						
	940	850	1300	ug/kg	38	3.9	SW846 8260B
	Qualifiers: DIL,a						

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLP6F1AN-MS Matrix.....: SOLID
MS Lot-Sample #: A9I300179-015 LLP6F1AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
trans-1,2-Dichloroethene	ND	1000	820	ug/kg	82 DIL		SW846 8260B
	ND	850	650	ug/kg	77 DIL	23	SW846 8260B
1,2-Dichloropropane	ND	1000	880	ug/kg	88 DIL		SW846 8260B
	ND	850	700	ug/kg	83 DIL	23	SW846 8260B
cis-1,3-Dichloropropene	ND	1000	780	ug/kg	78 DIL		SW846 8260B
	ND	850	610	ug/kg	72 DIL	24	SW846 8260B
trans-1,3-Dichloropropene	ND	1000	800	ug/kg	80 DIL		SW846 8260B
	ND	850	610	ug/kg	72 DIL	27	SW846 8260B
Ethylbenzene	28000	1000	19000	ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,a						
	28000	850	14000	ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,a						
2-Hexanone	ND	1000	0.0	ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,a						
	ND	850	0.0	ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,a						
Methylene chloride	1300	1000	2900	ug/kg	154		SW846 8260B
	Qualifiers: DIL,a						
	1300	850	3000	ug/kg	195	3.6	SW846 8260B
	Qualifiers: DIL,a						
4-Methyl-2-pentanone	ND	1000	730	ug/kg	73 DIL		SW846 8260B
	ND	850	580	ug/kg	68 DIL	24	SW846 8260B
Styrene	ND	1000	1300	ug/kg	133		SW846 8260B
	Qualifiers: DIL						
	ND	850	990	ug/kg	117	30	SW846 8260B
	Qualifiers: DIL						
1,1,2,2-Tetrachloroethane	ND	1000	1300	ug/kg	133		SW846 8260B
	Qualifiers: DIL						
	ND	850	1500	ug/kg	175	10	SW846 8260B
	Qualifiers: DIL,a						
Tetrachloroethene	ND	1000	940	ug/kg	93 DIL		SW846 8260B
	ND	850	730	ug/kg	86 DIL	25	SW846 8260B
Toluene	1300	1000	1600	ug/kg	38		SW846 8260B
	Qualifiers: DIL,a						
	1300	850	1300	ug/kg	5.2	23	SW846 8260B
	Qualifiers: DIL,a						
1,1,1-Trichloroethane	ND	1000	930	ug/kg	93 DIL		SW846 8260B
	ND	850	720	ug/kg	85 DIL	26	SW846 8260B
1,1,2-Trichloroethane	ND	1000	960	ug/kg	96 DIL		SW846 8260B
	ND	850	800	ug/kg	95 DIL	18	SW846 8260B
Trichloroethene	ND	1000	1500	ug/kg	151		SW846 8260B
	Qualifiers: DIL,a						
	ND	850	990	ug/kg	117	42	SW846 8260B
	Qualifiers: DIL,p						

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLP6F1AN-MS Matrix.....: SOLID
MS Lot-Sample #: A9I300179-015 LLP6F1AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Vinyl chloride	130	1000	690	ug/kg	55 DIL		SW846 8260B
	130	850	560	ug/kg	50 DIL	21	SW846 8260B
Xylenes (total)	110000	3000	75000	ug/kg	0.0		SW846 8260B
		Qualifiers: DIL,a					
	110000	2500	53000	ug/kg	0.0	0.0	SW846 8260B
		Qualifiers: DIL,a					

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	81 DIL	(59 - 138)
	79 DIL	(59 - 138)
1,2-Dichloroethane-d4	85 DIL	(61 - 130)
	78 DIL	(61 - 130)
Toluene-d8	90 DIL	(60 - 143)
	83 DIL	(60 - 143)
4-Bromofluorobenzene	86 DIL	(47 - 158)
	80 DIL	(47 - 158)

NOTE(S):

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

Bold print denotes control parameters

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

Results and reporting limits have been adjusted for dry weight.

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPWX1AK-MS Matrix.....: S0
 MS Lot-Sample #: A9I300149-001 LLPWX1AL-MSD
 Date Sampled...: 09/29/09 08:40 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #...: 9278432
 Dilution Factor: 1.1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,2-Dichloroethene	100	(48 - 127)			SW846 8260B
	99	(48 - 127)	3.8	(0-52)	SW846 8260B
trans-1,2-Dichloroethene	98	(47 - 127)			SW846 8260B
	97	(47 - 127)	3.4	(0-58)	SW846 8260B
Chloromethane	68	(28 - 130)			SW846 8260B
	68	(28 - 130)	3.2	(0-81)	SW846 8260B
Bromomethane	75	(15 - 152)			SW846 8260B
	76	(15 - 152)	1.3	(0-72)	SW846 8260B
Vinyl chloride	72	(30 - 136)			SW846 8260B
	71	(30 - 136)	4.8	(0-80)	SW846 8260B
Chloroethane	86	(32 - 140)			SW846 8260B
	82	(32 - 140)	7.4	(0-66)	SW846 8260B
Methylene chloride	97	(45 - 129)			SW846 8260B
	98	(45 - 129)	1.8	(0-49)	SW846 8260B
Acetone	88	(10 - 200)			SW846 8260B
	99	(10 - 200)	8.8	(0-66)	SW846 8260B
Carbon disulfide	98	(27 - 149)			SW846 8260B
	96	(27 - 149)	5.0	(0-73)	SW846 8260B
1,1-Dichloroethene	96	(43 - 147)			SW846 8260B
	94	(43 - 147)	5.1	(0-27)	SW846 8260B
1,1-Dichloroethane	99	(56 - 130)			SW846 8260B
	98	(56 - 130)	3.8	(0-54)	SW846 8260B
Chloroform	101	(59 - 128)			SW846 8260B
	102	(59 - 128)	2.3	(0-46)	SW846 8260B
1,2-Dichloroethane	99	(56 - 126)			SW846 8260B
	103	(56 - 126)	0.68	(0-38)	SW846 8260B
2-Butanone	89	(21 - 195)			SW846 8260B
	95	(21 - 195)	4.1	(0-60)	SW846 8260B
1,1,1-Trichloroethane	103	(48 - 132)			SW846 8260B
	103	(48 - 132)	2.6	(0-57)	SW846 8260B
Carbon tetrachloride	103	(32 - 143)			SW846 8260B
	102	(32 - 143)	4.4	(0-68)	SW846 8260B
Bromodichloromethane	102	(47 - 131)			SW846 8260B
	105	(47 - 131)	0.11	(0-51)	SW846 8260B
1,2-Dichloropropane	98	(54 - 125)			SW846 8260B
	98	(54 - 125)	3.3	(0-43)	SW846 8260B
cis-1,3-Dichloropropene	102	(30 - 138)			SW846 8260B
	103	(30 - 138)	2.1	(0-49)	SW846 8260B
Trichloroethene	107	(46 - 143)			SW846 8260B
	108	(46 - 143)	2.6	(0-23)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPWX1AK-MS Matrix.....: S0
MS Lot-Sample #: A9I300149-001 LLPWX1AL-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	102	(44 - 135)			SW846 8260B
	107	(44 - 135)	0.82	(0-61)	SW846 8260B
1,1,2-Trichloroethane	101	(58 - 128)			SW846 8260B
	103	(58 - 128)	1.3	(0-52)	SW846 8260B
Benzene	99	(55 - 138)			SW846 8260B
	98	(55 - 138)	3.6	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	106	(34 - 134)			SW846 8260B
	108	(34 - 134)	1.2	(0-57)	SW846 8260B
Bromoform	104	(26 - 141)			SW846 8260B
	109	(26 - 141)	1.6	(0-64)	SW846 8260B
4-Methyl-2-pentanone	102	(42 - 143)			SW846 8260B
	109	(42 - 143)	3.8	(0-60)	SW846 8260B
2-Hexanone	98	(20 - 190)			SW846 8260B
	106	(20 - 190)	4.8	(0-70)	SW846 8260B
Tetrachloroethene	104	(31 - 137)			SW846 8260B
	102	(31 - 137)	5.0	(0-81)	SW846 8260B
1,1,2,2-Tetrachloroethane	94	(33 - 162)			SW846 8260B
	97	(33 - 162)	0.29	(0-90)	SW846 8260B
Toluene	96	(46 - 147)			SW846 8260B
	94	(46 - 147)	5.2	(0-24)	SW846 8260B
Chlorobenzene	99	(49 - 139)			SW846 8260B
	98	(49 - 139)	4.3	(0-22)	SW846 8260B
Ethylbenzene	100	(36 - 133)			SW846 8260B
	95	(36 - 133)	8.0	(0-72)	SW846 8260B
Styrene	102	(23 - 136)			SW846 8260B
	100	(23 - 136)	5.0	(0-65)	SW846 8260B
Xylenes (total)	101	(33 - 135)			SW846 8260B
	99	(33 - 135)	5.1	(0-78)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	84	(61 - 130)
	88	(61 - 130)
Toluene-d8	96	(60 - 143)
	96	(60 - 143)
4-Bromofluorobenzene	100	(47 - 158)
	103	(47 - 158)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPWX1AK-MS Matrix.....: S0
 MS Lot-Sample #: A9I300149-001 LLPWX1AL-MSD
 Date Sampled...: 09/29/09 08:40 Date Received...: 09/30/09
 Prep Date.....: 10/01/09 Analysis Date...: 10/02/09
 Prep Batch #...: 9278432
 Dilution Factor: 1.1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,2-Dichloroethene	ND	57	57	ug/kg	100		SW846 8260B
	ND	55	55	ug/kg	99	3.8	SW846 8260B
trans-1,2-Dichloroethene	ND	57	56	ug/kg	98		SW846 8260B
	ND	55	54	ug/kg	97	3.4	SW846 8260B
Chloromethane	ND	57	39	ug/kg	68		SW846 8260B
	ND	55	38	ug/kg	68	3.2	SW846 8260B
Bromomethane	ND	57	43	ug/kg	75		SW846 8260B
	ND	55	42	ug/kg	76	1.3	SW846 8260B
Vinyl chloride	ND	57	41	ug/kg	72		SW846 8260B
	ND	55	39	ug/kg	71	4.8	SW846 8260B
Chloroethane	ND	57	49	ug/kg	86		SW846 8260B
	ND	55	45	ug/kg	82	7.4	SW846 8260B
Methylene chloride	4.8	57	60	ug/kg	97		SW846 8260B
	4.8	55	59	ug/kg	98	1.8	SW846 8260B
Acetone	ND	57	50	ug/kg	88		SW846 8260B
	ND	55	55	ug/kg	99	8.8	SW846 8260B
Carbon disulfide	ND	57	56	ug/kg	98		SW846 8260B
	ND	55	53	ug/kg	96	5.0	SW846 8260B
1,1-Dichloroethene	ND	57	55	ug/kg	96		SW846 8260B
	ND	55	52	ug/kg	94	5.1	SW846 8260B
1,1-Dichloroethane	ND	57	56	ug/kg	99		SW846 8260B
	ND	55	54	ug/kg	98	3.8	SW846 8260B
Chloroform	ND	57	57	ug/kg	101		SW846 8260B
	ND	55	56	ug/kg	102	2.3	SW846 8260B
1,2-Dichloroethane	ND	57	56	ug/kg	99		SW846 8260B
	ND	55	57	ug/kg	103	0.68	SW846 8260B
2-Butanone	ND	57	50	ug/kg	89		SW846 8260B
	ND	55	53	ug/kg	95	4.1	SW846 8260B
1,1,1-Trichloroethane	ND	57	58	ug/kg	103		SW846 8260B
	ND	55	57	ug/kg	103	2.6	SW846 8260B
Carbon tetrachloride	ND	57	59	ug/kg	103		SW846 8260B
	ND	55	56	ug/kg	102	4.4	SW846 8260B
Bromodichloromethane	ND	57	58	ug/kg	102		SW846 8260B
	ND	55	58	ug/kg	105	0.11	SW846 8260B
1,2-Dichloropropane	ND	57	56	ug/kg	98		SW846 8260B
	ND	55	54	ug/kg	98	3.3	SW846 8260B
cis-1,3-Dichloropropene	ND	57	58	ug/kg	102		SW846 8260B
	ND	55	57	ug/kg	103	2.1	SW846 8260B
Trichloroethene	ND	57	61	ug/kg	107		SW846 8260B
	ND	55	60	ug/kg	108	2.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPWX1AK-MS Matrix.....: S0
MS Lot-Sample #: A9I300149-001 LLPWX1AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dibromochloromethane	ND	57	58	ug/kg	102		SW846 8260B
	ND	55	59	ug/kg	107	0.82	SW846 8260B
1,1,2-Trichloroethane	ND	57	58	ug/kg	101		SW846 8260B
	ND	55	57	ug/kg	103	1.3	SW846 8260B
Benzene	ND	57	56	ug/kg	99		SW846 8260B
	ND	55	54	ug/kg	98	3.6	SW846 8260B
trans-1,3-Dichloropropene	ND	57	60	ug/kg	106		SW846 8260B
	ND	55	60	ug/kg	108	1.2	SW846 8260B
Bromoform	ND	57	59	ug/kg	104		SW846 8260B
	ND	55	60	ug/kg	109	1.6	SW846 8260B
4-Methyl-2-pentanone	ND	57	58	ug/kg	102		SW846 8260B
	ND	55	60	ug/kg	109	3.8	SW846 8260B
2-Hexanone	ND	57	56	ug/kg	98		SW846 8260B
	ND	55	59	ug/kg	106	4.8	SW846 8260B
Tetrachloroethene	ND	57	59	ug/kg	104		SW846 8260B
	ND	55	56	ug/kg	102	5.0	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	57	54	ug/kg	94		SW846 8260B
	ND	55	54	ug/kg	97	0.29	SW846 8260B
Toluene	ND	57	55	ug/kg	96		SW846 8260B
	ND	55	52	ug/kg	94	5.2	SW846 8260B
Chlorobenzene	ND	57	56	ug/kg	99		SW846 8260B
	ND	55	54	ug/kg	98	4.3	SW846 8260B
Ethylbenzene	ND	57	57	ug/kg	100		SW846 8260B
	ND	55	53	ug/kg	95	8.0	SW846 8260B
Styrene	ND	57	58	ug/kg	102		SW846 8260B
	ND	55	55	ug/kg	100	5.0	SW846 8260B
Xylenes (total)	ND	170	170	ug/kg	101		SW846 8260B
	ND	170	160	ug/kg	99	5.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(59 - 138)
	95	(59 - 138)
1,2-Dichloroethane-d4	84	(61 - 130)
	88	(61 - 130)
Toluene-d8	96	(60 - 143)
	96	(60 - 143)
4-Bromofluorobenzene	100	(47 - 158)
	103	(47 - 158)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPXN1AK-MS Matrix.....: S0
 MS Lot-Sample #: A9I300149-019 LLPXN1AL-MSD
 Date Sampled...: 09/29/09 16:10 Date Received...: 09/30/09
 Prep Date.....: 10/03/09 Analysis Date...: 10/03/09
 Prep Batch #...: 9278455
 Dilution Factor: 0.92

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,2-Dichloroethene	99	(48 - 127)			SW846 8260B
	98	(48 - 127)	16	(0-52)	SW846 8260B
trans-1,2-Dichloroethene	96	(47 - 127)			SW846 8260B
	95	(47 - 127)	16	(0-58)	SW846 8260B
Chloromethane	60	(28 - 130)			SW846 8260B
	65	(28 - 130)	25	(0-81)	SW846 8260B
Bromomethane	70	(15 - 152)			SW846 8260B
	73	(15 - 152)	21	(0-72)	SW846 8260B
Vinyl chloride	63	(30 - 136)			SW846 8260B
	66	(30 - 136)	23	(0-80)	SW846 8260B
Chloroethane	81	(32 - 140)			SW846 8260B
	84	(32 - 140)	21	(0-66)	SW846 8260B
Methylene chloride	96	(45 - 129)			SW846 8260B
	102	(45 - 129)	23	(0-49)	SW846 8260B
Acetone	87	(10 - 200)			SW846 8260B
	106	(10 - 200)	37	(0-66)	SW846 8260B
Carbon disulfide	87	(27 - 149)			SW846 8260B
	94	(27 - 149)	25	(0-73)	SW846 8260B
1,1-Dichloroethene	92	(43 - 147)			SW846 8260B
	93	(43 - 147)	18	(0-27)	SW846 8260B
1,1-Dichloroethane	97	(56 - 130)			SW846 8260B
	96	(56 - 130)	16	(0-54)	SW846 8260B
Chloroform	102	(59 - 128)			SW846 8260B
	101	(59 - 128)	17	(0-46)	SW846 8260B
1,2-Dichloroethane	97	(56 - 126)			SW846 8260B
	96	(56 - 126)	16	(0-38)	SW846 8260B
2-Butanone	84	(21 - 195)			SW846 8260B
	85	(21 - 195)	19	(0-60)	SW846 8260B
1,1,1-Trichloroethane	102	(48 - 132)			SW846 8260B
	101	(48 - 132)	16	(0-57)	SW846 8260B
Carbon tetrachloride	101	(32 - 143)			SW846 8260B
	98	(32 - 143)	14	(0-68)	SW846 8260B
Bromodichloromethane	100	(47 - 131)			SW846 8260B
	98	(47 - 131)	16	(0-51)	SW846 8260B
1,2-Dichloropropane	94	(54 - 125)			SW846 8260B
	93	(54 - 125)	16	(0-43)	SW846 8260B
cis-1,3-Dichloropropene	95	(30 - 138)			SW846 8260B
	96	(30 - 138)	18	(0-49)	SW846 8260B
Trichloroethene	103	(46 - 143)			SW846 8260B
	101	(46 - 143)	15	(0-23)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPXN1AK-MS Matrix.....: S0
MS Lot-Sample #: A9I300149-019 LLPXN1AL-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	98	(44 - 135)			SW846 8260B
	97	(44 - 135)	16	(0-61)	SW846 8260B
1,1,2-Trichloroethane	98	(58 - 128)			SW846 8260B
	95	(58 - 128)	14	(0-52)	SW846 8260B
Benzene	97	(55 - 138)			SW846 8260B
	96	(55 - 138)	16	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	100	(34 - 134)			SW846 8260B
	98	(34 - 134)	15	(0-57)	SW846 8260B
Bromoform	93	(26 - 141)			SW846 8260B
	92	(26 - 141)	16	(0-64)	SW846 8260B
4-Methyl-2-pentanone	95	(42 - 143)			SW846 8260B
	92	(42 - 143)	14	(0-60)	SW846 8260B
2-Hexanone	93	(20 - 190)			SW846 8260B
	90	(20 - 190)	14	(0-70)	SW846 8260B
Tetrachloroethene	105	(31 - 137)			SW846 8260B
	103	(31 - 137)	15	(0-81)	SW846 8260B
1,1,2,2-Tetrachloroethane	101	(33 - 162)			SW846 8260B
	99	(33 - 162)	15	(0-90)	SW846 8260B
Toluene	96	(46 - 147)			SW846 8260B
	93	(46 - 147)	14	(0-24)	SW846 8260B
Chlorobenzene	96	(49 - 139)			SW846 8260B
	93	(49 - 139)	15	(0-22)	SW846 8260B
Ethylbenzene	98	(36 - 133)			SW846 8260B
	95	(36 - 133)	15	(0-72)	SW846 8260B
Styrene	94	(23 - 136)			SW846 8260B
	92	(23 - 136)	15	(0-65)	SW846 8260B
Xylenes (total)	99	(33 - 135)			SW846 8260B
	96	(33 - 135)	15	(0-78)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(59 - 138)
	94	(59 - 138)
1,2-Dichloroethane-d4	84	(61 - 130)
	83	(61 - 130)
Toluene-d8	94	(60 - 143)
	95	(60 - 143)
4-Bromofluorobenzene	97	(47 - 158)
	96	(47 - 158)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPXN1AK-MS Matrix.....: S0
 MS Lot-Sample #: A9I300149-019 LLPXN1AL-MSD
 Date Sampled...: 09/29/09 16:10 Date Received...: 09/30/09
 Prep Date.....: 10/03/09 Analysis Date...: 10/03/09
 Prep Batch #...: 9278455
 Dilution Factor: 0.92

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,2-Dichloroethene	ND	55	54	ug/kg	99		SW846 8260B
	ND	65	64	ug/kg	98	16	SW846 8260B
trans-1,2-Dichloroethene	ND	55	53	ug/kg	96		SW846 8260B
	ND	65	62	ug/kg	95	16	SW846 8260B
Chloromethane	ND	55	33	ug/kg	60		SW846 8260B
	ND	65	42	ug/kg	65	25	SW846 8260B
Bromomethane	ND	55	39	ug/kg	70		SW846 8260B
	ND	65	48	ug/kg	73	21	SW846 8260B
Vinyl chloride	ND	55	34	ug/kg	63		SW846 8260B
	ND	65	43	ug/kg	66	23	SW846 8260B
Chloroethane	ND	55	45	ug/kg	81		SW846 8260B
	ND	65	55	ug/kg	84	21	SW846 8260B
Methylene chloride	1.5	55	54	ug/kg	96		SW846 8260B
	1.5	65	68	ug/kg	102	23	SW846 8260B
Acetone	ND	55	48	ug/kg	87		SW846 8260B
	ND	65	69	ug/kg	106	37	SW846 8260B
Carbon disulfide	ND	55	48	ug/kg	87		SW846 8260B
	ND	65	61	ug/kg	94	25	SW846 8260B
1,1-Dichloroethene	ND	55	51	ug/kg	92		SW846 8260B
	ND	65	61	ug/kg	93	18	SW846 8260B
1,1-Dichloroethane	ND	55	53	ug/kg	97		SW846 8260B
	ND	65	63	ug/kg	96	16	SW846 8260B
Chloroform	ND	55	56	ug/kg	102		SW846 8260B
	ND	65	66	ug/kg	101	17	SW846 8260B
1,2-Dichloroethane	ND	55	53	ug/kg	97		SW846 8260B
	ND	65	63	ug/kg	96	16	SW846 8260B
2-Butanone	ND	55	46	ug/kg	84		SW846 8260B
	ND	65	55	ug/kg	85	19	SW846 8260B
1,1,1-Trichloroethane	ND	55	56	ug/kg	102		SW846 8260B
	ND	65	66	ug/kg	101	16	SW846 8260B
Carbon tetrachloride	ND	55	55	ug/kg	101		SW846 8260B
	ND	65	64	ug/kg	98	14	SW846 8260B
Bromodichloromethane	ND	55	55	ug/kg	100		SW846 8260B
	ND	65	64	ug/kg	98	16	SW846 8260B
1,2-Dichloropropane	ND	55	52	ug/kg	94		SW846 8260B
	ND	65	61	ug/kg	93	16	SW846 8260B
cis-1,3-Dichloropropene	ND	55	52	ug/kg	95		SW846 8260B
	ND	65	62	ug/kg	96	18	SW846 8260B
Trichloroethene	ND	55	56	ug/kg	103		SW846 8260B
	ND	65	66	ug/kg	101	15	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLPXN1AK-MS Matrix.....: S0
MS Lot-Sample #: A9I300149-019 LLPXN1AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dibromochloromethane	ND	55	54	ug/kg	98		SW846 8260B
	ND	65	64	ug/kg	97	16	SW846 8260B
1,1,2-Trichloroethane	ND	55	54	ug/kg	98		SW846 8260B
	ND	65	62	ug/kg	95	14	SW846 8260B
Benzene	ND	55	53	ug/kg	97		SW846 8260B
	ND	65	63	ug/kg	96	16	SW846 8260B
trans-1,3-Dichloropropene	ND	55	55	ug/kg	100		SW846 8260B
	ND	65	64	ug/kg	98	15	SW846 8260B
Bromoform	ND	55	51	ug/kg	93		SW846 8260B
	ND	65	60	ug/kg	92	16	SW846 8260B
4-Methyl-2-pentanone	ND	55	52	ug/kg	95		SW846 8260B
	ND	65	60	ug/kg	92	14	SW846 8260B
2-Hexanone	ND	55	51	ug/kg	93		SW846 8260B
	ND	65	59	ug/kg	90	14	SW846 8260B
Tetrachloroethene	ND	55	58	ug/kg	105		SW846 8260B
	ND	65	67	ug/kg	103	15	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	55	56	ug/kg	101		SW846 8260B
	ND	65	64	ug/kg	99	15	SW846 8260B
Toluene	ND	55	53	ug/kg	96		SW846 8260B
	ND	65	61	ug/kg	93	14	SW846 8260B
Chlorobenzene	ND	55	52	ug/kg	96		SW846 8260B
	ND	65	61	ug/kg	93	15	SW846 8260B
Ethylbenzene	ND	55	54	ug/kg	98		SW846 8260B
	ND	65	62	ug/kg	95	15	SW846 8260B
Styrene	ND	55	52	ug/kg	94		SW846 8260B
	ND	65	60	ug/kg	92	15	SW846 8260B
Xylenes (total)	ND	160	160	ug/kg	99		SW846 8260B
	ND	200	190	ug/kg	96	15	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(59 - 138)
	94	(59 - 138)
1,2-Dichloroethane-d4	84	(61 - 130)
	83	(61 - 130)
Toluene-d8	94	(60 - 143)
	95	(60 - 143)
4-Bromofluorobenzene	97	(47 - 158)
	96	(47 - 158)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLWAD1AC-MS Matrix.....: WG
 MS Lot-Sample #: A9J020166-001 LLWAD1AD-MSD
 Date Sampled...: 09/30/09 13:20 Date Received...: 10/02/09
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #...: 9285087
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	117	(45 - 128)			SW846 8260B
	98	(45 - 128)	18	(0-30)	SW846 8260B
Benzene	100	(78 - 118)			SW846 8260B
	99	(78 - 118)	1.7	(0-20)	SW846 8260B
Bromodichloromethane	96	(80 - 146)			SW846 8260B
	95	(80 - 146)	1.0	(0-30)	SW846 8260B
Bromoform	91	(58 - 176)			SW846 8260B
	83	(58 - 176)	8.9	(0-30)	SW846 8260B
Bromomethane	94	(55 - 145)			SW846 8260B
	89	(55 - 145)	5.8	(0-30)	SW846 8260B
2-Butanone	96	(71 - 123)			SW846 8260B
	89	(71 - 123)	7.6	(0-30)	SW846 8260B
Carbon disulfide	96	(69 - 138)			SW846 8260B
	93	(69 - 138)	2.8	(0-41)	SW846 8260B
Carbon tetrachloride	106	(63 - 176)			SW846 8260B
	104	(63 - 176)	1.6	(0-30)	SW846 8260B
Chlorobenzene	96	(76 - 117)			SW846 8260B
	94	(76 - 117)	2.8	(0-20)	SW846 8260B
Chloroethane	84	(59 - 142)			SW846 8260B
	76	(59 - 142)	9.9	(0-30)	SW846 8260B
Chloroform	104	(83 - 141)			SW846 8260B
	103	(83 - 141)	1.7	(0-30)	SW846 8260B
Chloromethane	64	(40 - 137)			SW846 8260B
	66	(40 - 137)	2.6	(0-39)	SW846 8260B
Dibromochloromethane	95	(71 - 158)			SW846 8260B
	87	(71 - 158)	8.2	(0-30)	SW846 8260B
1,1-Dichloroethane	103	(88 - 127)			SW846 8260B
	101	(88 - 127)	1.1	(0-30)	SW846 8260B
1,2-Dichloroethane	101	(71 - 160)			SW846 8260B
	98	(71 - 160)	2.6	(0-30)	SW846 8260B
1,1-Dichloroethene	97	(62 - 130)			SW846 8260B
	97	(62 - 130)	0.25	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	108	(87 - 114)			SW846 8260B
	93	(87 - 114)	4.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	104	(85 - 116)			SW846 8260B
	102	(85 - 116)	1.1	(0-30)	SW846 8260B
1,2-Dichloropropane	98	(87 - 114)			SW846 8260B
	97	(87 - 114)	1.5	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	81 a	(82 - 130)			SW846 8260B
	82	(82 - 130)	2.1	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLWAD1AC-MS Matrix.....: WG
MS Lot-Sample #: A9J020166-001 LLWAD1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,3-Dichloropropene	82	(73 - 147)			SW846 8260B
	81	(73 - 147)	2.0	(0-30)	SW846 8260B
Ethylbenzene	96	(86 - 132)			SW846 8260B
	94	(86 - 132)	2.2	(0-30)	SW846 8260B
2-Hexanone	85	(81 - 128)			SW846 8260B
	80 a	(81 - 128)	6.0	(0-30)	SW846 8260B
Methylene chloride	97	(82 - 115)			SW846 8260B
	92	(82 - 115)	4.7	(0-30)	SW846 8260B
4-Methyl-2-pentanone	84	(82 - 135)			SW846 8260B
	82	(82 - 135)	2.7	(0-30)	SW846 8260B
Styrene	100	(83 - 120)			SW846 8260B
	96	(83 - 120)	3.8	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(88 - 116)			SW846 8260B
	85 a	(88 - 116)	2.9	(0-30)	SW846 8260B
Tetrachloroethene	97	(85 - 121)			SW846 8260B
	93	(85 - 121)	4.2	(0-30)	SW846 8260B
Toluene	94	(70 - 119)			SW846 8260B
	91	(70 - 119)	3.3	(0-20)	SW846 8260B
1,1,1-Trichloroethane	102	(71 - 162)			SW846 8260B
	101	(71 - 162)	0.65	(0-30)	SW846 8260B
1,1,2-Trichloroethane	95	(86 - 129)			SW846 8260B
	90	(86 - 129)	5.4	(0-30)	SW846 8260B
Trichloroethene	97	(62 - 130)			SW846 8260B
	95	(62 - 130)	1.3	(0-20)	SW846 8260B
Vinyl chloride	60 a	(88 - 126)			SW846 8260B
	72 a	(88 - 126)	17	(0-30)	SW846 8260B
Xylenes (total)	99	(89 - 121)			SW846 8260B
	95	(89 - 121)	3.3	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	94	(61 - 128)
Toluene-d8	94	(76 - 110)
	89	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	93	(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 #...: 9I29153 Work Order #...: LLWAD1AC-MS Matrix.....: WG
 MS Lot-Sample #: A9J020166-001 LLWAD1AD-MSD
 Date Sampled...: 09/30/09 13:20 Date Received...: 10/02/09
 Prep Date.....: 10/09/09 Analysis Date...: 10/09/09
 Prep Batch #...: 9285087
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10	12	ug/L	117		SW846 8260B
	ND	10	9.8	ug/L	98	18	SW846 8260B
Benzene	ND	10	10	ug/L	100		SW846 8260B
	ND	10	9.9	ug/L	99	1.7	SW846 8260B
Bromodichloromethane	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.5	ug/L	95	1.0	SW846 8260B
Bromoform	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	8.3	ug/L	83	8.9	SW846 8260B
Bromomethane	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	8.9	ug/L	89	5.8	SW846 8260B
2-Butanone	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	8.9	ug/L	89	7.6	SW846 8260B
Carbon disulfide	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.3	ug/L	93	2.8	SW846 8260B
Carbon tetrachloride	ND	10	11	ug/L	106		SW846 8260B
	ND	10	10	ug/L	104	1.6	SW846 8260B
Chlorobenzene	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.4	ug/L	94	2.8	SW846 8260B
Chloroethane	ND	10	8.4	ug/L	84		SW846 8260B
	ND	10	7.6	ug/L	76	9.9	SW846 8260B
Chloroform	ND	10	10	ug/L	104		SW846 8260B
	ND	10	10	ug/L	103	1.7	SW846 8260B
Chloromethane	ND	10	6.4	ug/L	64		SW846 8260B
	ND	10	6.6	ug/L	66	2.6	SW846 8260B
Dibromochloromethane	ND	10	9.5	ug/L	95		SW846 8260B
	ND	10	8.7	ug/L	87	8.2	SW846 8260B
1,1-Dichloroethane	ND	10	10	ug/L	103		SW846 8260B
	ND	10	10	ug/L	101	1.1	SW846 8260B
1,2-Dichloroethane	ND	10	10	ug/L	101		SW846 8260B
	ND	10	9.8	ug/L	98	2.6	SW846 8260B
1,1-Dichloroethene	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.7	ug/L	97	0.25	SW846 8260B
cis-1,2-Dichloroethene	24	10	35	ug/L	108		SW846 8260B
	24	10	34	ug/L	93	4.5	SW846 8260B
trans-1,2-Dichloroethene	1.3	10	12	ug/L	104		SW846 8260B
	1.3	10	12	ug/L	102	1.1	SW846 8260B
1,2-Dichloropropane	ND	10	9.8	ug/L	98		SW846 8260B
	ND	10	9.7	ug/L	97	1.5	SW846 8260B
cis-1,3-Dichloropropene	ND	10	8.1	ug/L	81 a		SW846 8260B
	ND	10	8.2	ug/L	82	2.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LLWAD1AC-MS Matrix.....: WG
MS Lot-Sample #: A9J020166-001 LLWAD1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
trans-1,3-Dichloropropene	ND	10	8.2	ug/L	82		SW846 8260B
	ND	10	8.1	ug/L	81	2.0	SW846 8260B
Ethylbenzene	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.4	ug/L	94	2.2	SW846 8260B
2-Hexanone	ND	10	8.5	ug/L	85		SW846 8260B
	ND	10	8.0	ug/L	80 a	6.0	SW846 8260B
Methylene chloride	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.2	ug/L	92	4.7	SW846 8260B
4-Methyl-2-pentanone	ND	10	8.4	ug/L	84		SW846 8260B
	ND	10	8.2	ug/L	82	2.7	SW846 8260B
Styrene	ND	10	10	ug/L	100		SW846 8260B
	ND	10	9.6	ug/L	96	3.8	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	8.8	ug/L	88		SW846 8260B
	ND	10	8.5	ug/L	85 a	2.9	SW846 8260B
Tetrachloroethene	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	9.3	ug/L	93	4.2	SW846 8260B
Toluene	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	9.1	ug/L	91	3.3	SW846 8260B
1,1,1-Trichloroethane	ND	10	10	ug/L	102		SW846 8260B
	ND	10	10	ug/L	101	0.65	SW846 8260B
1,1,2-Trichloroethane	ND	10	9.5	ug/L	95		SW846 8260B
	ND	10	9.0	ug/L	90	5.4	SW846 8260B
Trichloroethene	5.1	10	15	ug/L	97		SW846 8260B
	5.1	10	15	ug/L	95	1.3	SW846 8260B
Vinyl chloride	ND	10	6.0	ug/L	60 a		SW846 8260B
	ND	10	7.2	ug/L	72 a	17	SW846 8260B
Xylenes (total)	ND	30	30	ug/L	99		SW846 8260B
	ND	30	29	ug/L	95	3.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	94	(61 - 128)
Toluene-d8	94	(76 - 110)
	89	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	93	(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 #...: 9I29153 Work Order #...: LL8RN1AC-MS Matrix.....: WATER
MS Lot-Sample #: A9J080320-002 LL8RN1AD-MSD
Date Sampled...: 10/07/09 08:15 Date Received...: 10/08/09
Prep Date.....: 10/13/09 Analysis Date...: 10/13/09
Prep Batch #...: 9286550
Dilution Factor: 250

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	111	(45 - 128)			SW846 8260B
	111	(45 - 128)	0.12	(0-30)	SW846 8260B
Benzene	104	(78 - 118)			SW846 8260B
	104	(78 - 118)	0.20	(0-20)	SW846 8260B
Bromodichloromethane	102	(80 - 146)			SW846 8260B
	102	(80 - 146)	0.50	(0-30)	SW846 8260B
Bromoform	91	(58 - 176)			SW846 8260B
	95	(58 - 176)	3.9	(0-30)	SW846 8260B
Bromomethane	146 a	(55 - 145)			SW846 8260B
	111	(55 - 145)	27	(0-30)	SW846 8260B
2-Butanone	97	(71 - 123)			SW846 8260B
	100	(71 - 123)	2.7	(0-30)	SW846 8260B
Carbon disulfide	95	(69 - 138)			SW846 8260B
	97	(69 - 138)	2.3	(0-41)	SW846 8260B
Carbon tetrachloride	111	(63 - 176)			SW846 8260B
	113	(63 - 176)	2.4	(0-30)	SW846 8260B
Chlorobenzene	100	(76 - 117)			SW846 8260B
	101	(76 - 117)	1.4	(0-20)	SW846 8260B
Chloroethane	107	(59 - 142)			SW846 8260B
	93	(59 - 142)	14	(0-30)	SW846 8260B
Chloroform	109	(83 - 141)			SW846 8260B
	110	(83 - 141)	0.13	(0-30)	SW846 8260B
Chloromethane	103	(40 - 137)			SW846 8260B
	91	(40 - 137)	12	(0-39)	SW846 8260B
Dibromochloromethane	95	(71 - 158)			SW846 8260B
	95	(71 - 158)	0.07	(0-30)	SW846 8260B
1,1-Dichloroethane	109	(88 - 127)			SW846 8260B
	108	(88 - 127)	1.3	(0-30)	SW846 8260B
1,2-Dichloroethane	106	(71 - 160)			SW846 8260B
	105	(71 - 160)	0.45	(0-30)	SW846 8260B
1,1-Dichloroethene	102	(62 - 130)			SW846 8260B
	105	(62 - 130)	2.0	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	104	(87 - 114)			SW846 8260B
	107	(87 - 114)	1.4	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	107	(85 - 116)			SW846 8260B
	107	(85 - 116)	0.35	(0-30)	SW846 8260B
1,2-Dichloropropane	105	(87 - 114)			SW846 8260B
	105	(87 - 114)	0.68	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	90	(82 - 130)			SW846 8260B
	92	(82 - 130)	2.4	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LL8RN1AC-MS Matrix.....: WATER
MS Lot-Sample #: A9J080320-002 LL8RN1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,3-Dichloropropene	85	(73 - 147)			SW846 8260B
	85	(73 - 147)	0.07	(0-30)	SW846 8260B
Ethylbenzene	97	(86 - 132)			SW846 8260B
	96	(86 - 132)	1.0	(0-30)	SW846 8260B
2-Hexanone	88	(81 - 128)			SW846 8260B
	92	(81 - 128)	4.1	(0-30)	SW846 8260B
Methylene chloride	105	(82 - 115)			SW846 8260B
	102	(82 - 115)	2.7	(0-30)	SW846 8260B
4-Methyl-2-pentanone	91	(82 - 135)			SW846 8260B
	90	(82 - 135)	0.32	(0-30)	SW846 8260B
Styrene	102	(83 - 120)			SW846 8260B
	102	(83 - 120)	0.52	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	84 a	(88 - 116)			SW846 8260B
	84 a	(88 - 116)	0.05	(0-30)	SW846 8260B
Tetrachloroethene	102	(85 - 121)			SW846 8260B
	103	(85 - 121)	1.6	(0-30)	SW846 8260B
Toluene	95	(70 - 119)			SW846 8260B
	96	(70 - 119)	0.43	(0-20)	SW846 8260B
1,1,1-Trichloroethane	109	(71 - 162)			SW846 8260B
	107	(71 - 162)	1.9	(0-30)	SW846 8260B
1,1,2-Trichloroethane	94	(86 - 129)			SW846 8260B
	93	(86 - 129)	1.0	(0-30)	SW846 8260B
Trichloroethene	77	(62 - 130)			SW846 8260B
	84	(62 - 130)	1.7	(0-20)	SW846 8260B
Vinyl chloride	113	(88 - 126)			SW846 8260B
	113	(88 - 126)	0.50	(0-30)	SW846 8260B
Xylenes (total)	101	(89 - 121)			SW846 8260B
	101	(89 - 121)	0.41	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	98	(61 - 128)
Toluene-d8	93	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	98	(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 #...: 9I29153 Work Order #...: LL8RN1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A9J080320-002 LL8RN1AD-MSD
 Date Sampled...: 10/07/09 08:15 Date Received...: 10/08/09
 Prep Date.....: 10/13/09 Analysis Date...: 10/13/09
 Prep Batch #...: 9286550
 Dilution Factor: 250

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	460	2500	3200	ug/L	111		SW846 8260B
	460	2500	3200	ug/L	111	0.12	SW846 8260B
Benzene	ND	2500	2600	ug/L	104		SW846 8260B
	ND	2500	2600	ug/L	104	0.20	SW846 8260B
Bromodichloromethane	ND	2500	2600	ug/L	102		SW846 8260B
	ND	2500	2500	ug/L	102	0.50	SW846 8260B
Bromoform	ND	2500	2300	ug/L	91		SW846 8260B
	ND	2500	2400	ug/L	95	3.9	SW846 8260B
Bromomethane	ND	2500	3700	ug/L	146 a		SW846 8260B
	ND	2500	2800	ug/L	111	27	SW846 8260B
2-Butanone	ND	2500	2400	ug/L	97		SW846 8260B
	ND	2500	2500	ug/L	100	2.7	SW846 8260B
Carbon disulfide	ND	2500	2400	ug/L	95		SW846 8260B
	ND	2500	2400	ug/L	97	2.3	SW846 8260B
Carbon tetrachloride	ND	2500	2800	ug/L	111		SW846 8260B
	ND	2500	2800	ug/L	113	2.4	SW846 8260B
Chlorobenzene	ND	2500	2500	ug/L	100		SW846 8260B
	ND	2500	2500	ug/L	101	1.4	SW846 8260B
Chloroethane	ND	2500	2700	ug/L	107		SW846 8260B
	ND	2500	2300	ug/L	93	14	SW846 8260B
Chloroform	ND	2500	2700	ug/L	109		SW846 8260B
	ND	2500	2700	ug/L	110	0.13	SW846 8260B
Chloromethane	ND	2500	2600	ug/L	103		SW846 8260B
	ND	2500	2300	ug/L	91	12	SW846 8260B
Dibromochloromethane	ND	2500	2400	ug/L	95		SW846 8260B
	ND	2500	2400	ug/L	95	0.07	SW846 8260B
1,1-Dichloroethane	ND	2500	2700	ug/L	109		SW846 8260B
	ND	2500	2700	ug/L	108	1.3	SW846 8260B
1,2-Dichloroethane	ND	2500	2600	ug/L	106		SW846 8260B
	ND	2500	2600	ug/L	105	0.45	SW846 8260B
1,1-Dichloroethene	ND	2500	2600	ug/L	102		SW846 8260B
	ND	2500	2600	ug/L	105	2.0	SW846 8260B
cis-1,2-Dichloroethene	1500	2500	4100	ug/L	104		SW846 8260B
	1500	2500	4200	ug/L	107	1.4	SW846 8260B
trans-1,2-Dichloroethene	ND	2500	2700	ug/L	107		SW846 8260B
	ND	2500	2700	ug/L	107	0.35	SW846 8260B
1,2-Dichloropropane	ND	2500	2600	ug/L	105		SW846 8260B
	ND	2500	2600	ug/L	105	0.68	SW846 8260B
cis-1,3-Dichloropropene	ND	2500	2200	ug/L	90		SW846 8260B
	ND	2500	2300	ug/L	92	2.4	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 9I29153 Work Order #...: LL8RN1AC-MS Matrix.....: WATER
MS Lot-Sample #: A9J080320-002 LL8RN1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
trans-1,3-Dichloropropene	ND	2500	2100	ug/L	85		SW846 8260B
	ND	2500	2100	ug/L	85	0.07	SW846 8260B
Ethylbenzene	ND	2500	2400	ug/L	97		SW846 8260B
	ND	2500	2400	ug/L	96	1.0	SW846 8260B
2-Hexanone	ND	2500	2200	ug/L	88		SW846 8260B
	ND	2500	2300	ug/L	92	4.1	SW846 8260B
Methylene chloride	170	2500	2800	ug/L	105		SW846 8260B
	170	2500	2700	ug/L	102	2.7	SW846 8260B
4-Methyl-2-pentanone	ND	2500	2300	ug/L	91		SW846 8260B
	ND	2500	2300	ug/L	90	0.32	SW846 8260B
Styrene	ND	2500	2600	ug/L	102		SW846 8260B
	ND	2500	2500	ug/L	102	0.52	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	2500	2100	ug/L	84 a		SW846 8260B
	ND	2500	2100	ug/L	84 a	0.05	SW846 8260B
Tetrachloroethene	ND	2500	2500	ug/L	102		SW846 8260B
	ND	2500	2600	ug/L	103	1.6	SW846 8260B
Toluene	ND	2500	2400	ug/L	95		SW846 8260B
	ND	2500	2400	ug/L	96	0.43	SW846 8260B
1,1,1-Trichloroethane	ND	2500	2700	ug/L	109		SW846 8260B
	ND	2500	2700	ug/L	107	1.9	SW846 8260B
1,1,2-Trichloroethane	ND	2500	2300	ug/L	94		SW846 8260B
	ND	2500	2300	ug/L	93	1.0	SW846 8260B
Trichloroethene	8400	2500	10000	ug/L	77		SW846 8260B
	8400	2500	11000	ug/L	84	1.7	SW846 8260B
Vinyl chloride	84	2500	2900	ug/L	113		SW846 8260B
	84	2500	2900	ug/L	113	0.50	SW846 8260B
Xylenes (total)	ND	7500	7600	ug/L	101		SW846 8260B
	ND	7500	7600	ug/L	101	0.41	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	98	(61 - 128)
Toluene-d8	93	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	98	(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

TCLP GC/MS Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLQVH1A2-MS **Matrix.....**: SOLID
MS Lot-Sample #: A9I300252-001 LLQVH1A3-MSD
Date Sampled...: 09/29/09 11:30 **Date Received...**: 09/30/09
Leach Date.....: 10/05/09 **Prep Date.....**: 10/06/09 **Analysis Date...**: 10/06/09
Leach Batch #...: P927801 **Prep Batch #...**: 9279453
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	107	(76 - 117)			SW846 8260B
	98	(76 - 117)	8.2	(0-30)	SW846 8260B
2-Butanone (MEK)	104	(37 - 110)			SW846 8260B
	98	(37 - 110)	6.2	(0-30)	SW846 8260B
Carbon tetrachloride	79	(72 - 124)			SW846 8260B
	78	(72 - 124)	1.4	(0-30)	SW846 8260B
Chlorobenzene	109	(72 - 114)			SW846 8260B
	99	(72 - 114)	8.9	(0-30)	SW846 8260B
Chloroform	105	(82 - 117)			SW846 8260B
	98	(82 - 117)	6.7	(0-30)	SW846 8260B
1,2-Dichloroethane	106	(80 - 120)			SW846 8260B
	98	(80 - 120)	8.4	(0-30)	SW846 8260B
1,1-Dichloroethylene	95	(67 - 129)			SW846 8260B
	94	(67 - 129)	1.3	(0-30)	SW846 8260B
Tetrachloroethylene	118	(60 - 119)			SW846 8260B
	109	(60 - 119)	7.6	(0-30)	SW846 8260B
Trichloroethylene	107	(72 - 121)			SW846 8260B
	104	(72 - 121)	3.0	(0-30)	SW846 8260B
Vinyl chloride	98	(54 - 118)			SW846 8260B
	99	(54 - 118)	0.83	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(86 - 125)
	98	(86 - 125)
1,2-Dichloroethane-d4	102	(80 - 122)
	103	(80 - 122)
Toluene-d8	105	(90 - 122)
	106	(90 - 122)
4-Bromofluorobenzene	98	(84 - 125)
	97	(84 - 125)

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

TCLP GC/MS Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLQVH1A2-MS **Matrix.....**: SOLID
MS Lot-Sample #: A9I300252-001 LLQVH1A3-MSD
Date Sampled...: 09/29/09 11:30 **Date Received...**: 09/30/09
Leach Date.....: 10/05/09 **Prep Date.....**: 10/06/09 **Analysis Date...**: 10/06/09
Leach Batch #...: P927801 **Prep Batch #...**: 9279453
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	1.0	1.1	mg/L	107		SW846 8260B
	ND	1.0	0.98	mg/L	98	8.2	SW846 8260B
2-Butanone (MEK)	ND	1.0	1.0	mg/L	104		SW846 8260B
	ND	1.0	0.98	mg/L	98	6.2	SW846 8260B
Carbon tetrachloride	ND	1.0	0.79	mg/L	79		SW846 8260B
	ND	1.0	0.78	mg/L	78	1.4	SW846 8260B
Chlorobenzene	ND	1.0	1.1	mg/L	109		SW846 8260B
	ND	1.0	0.99	mg/L	99	8.9	SW846 8260B
Chloroform	ND	1.0	1.0	mg/L	105		SW846 8260B
	ND	1.0	0.98	mg/L	98	6.7	SW846 8260B
1,2-Dichloroethane	ND	1.0	1.1	mg/L	106		SW846 8260B
	ND	1.0	0.98	mg/L	98	8.4	SW846 8260B
1,1-Dichloroethylene	ND	1.0	0.95	mg/L	95		SW846 8260B
	ND	1.0	0.94	mg/L	94	1.3	SW846 8260B
Tetrachloroethylene	ND	1.0	1.2	mg/L	118		SW846 8260B
	ND	1.0	1.1	mg/L	109	7.6	SW846 8260B
Trichloroethylene	ND	1.0	1.1	mg/L	107		SW846 8260B
	ND	1.0	1.0	mg/L	104	3.0	SW846 8260B
Vinyl chloride	ND	1.0	0.98	mg/L	98		SW846 8260B
	ND	1.0	0.99	mg/L	99	0.83	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(86 - 125)
	98	(86 - 125)
1,2-Dichloroethane-d4	102	(80 - 122)
	103	(80 - 122)
Toluene-d8	105	(90 - 122)
	106	(90 - 122)
4-Bromofluorobenzene	98	(84 - 125)
	97	(84 - 125)

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

GC Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPXN1AM-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-019 LLPXN1AN-MSD
Date Sampled...: 09/29/09 16:10 **Date Received...**: 09/30/09
Prep Date.....: 10/01/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9278089
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	73	(10 - 142)			SW846 8015B
	68	(10 - 142)	4.8	(0-94)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	90	(10 - 150)
	86	(10 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPXN1AM-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-019 LLPXN1AN-MSD
Date Sampled...: 09/29/09 16:10 **Date Received...**: 09/30/09
Prep Date.....: 10/01/09 **Analysis Date...**: 10/06/09
Prep Batch #...: 9278089
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	ND	13000	11000	ug/kg	73		SW846 8015B
	ND	13000	10000	ug/kg	68	4.8	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	90	(10 - 150)
	86	(10 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPWX1AD-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-001 LLPWX1AE-MSD
Date Sampled...: 09/29/09 08:40 **Date Received...**: 09/30/09
Prep Date.....: 10/05/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9279090
Dilution Factor: 1.02

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	87	(10 - 142)			SW846 8015B
	78	(10 - 142)	5.8	(0-94)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	105	(10 - 150)
	103	(10 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPWX1AD-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-001 LLPWX1AE-MSD
Date Sampled...: 09/29/09 08:40 **Date Received...**: 09/30/09
Prep Date.....: 10/05/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9279090
Dilution Factor: 1.02

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	ND	210	200	ug/kg	87		SW846 8015B
	ND	220	190	ug/kg	78	5.8	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	105	(10 - 150)
	103	(10 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLWAD1AF-MS **Matrix.....**: WG
MS Lot-Sample #: A9J020166-001 LLWAD1AG-MSD
Date Sampled...: 09/30/09 13:20 **Date Received...**: 10/02/09
Prep Date.....: 10/07/09 **Analysis Date...**: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	88	(63 - 143)			SW846 8015B
	87	(63 - 143)	1.0	(0-20)	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>	
Trifluorotoluene		131		(10 - 150)	
		127		(10 - 150)	

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 Volatiles

Client Lot #...: 9I29153 **Work Order #...**: LLWAD1AF-MS **Matrix.....**: WG
MS Lot-Sample #: A9J020166-001 LLWAD1AG-MSD
Date Sampled...: 09/30/09 13:20 **Date Received...**: 10/02/09
Prep Date.....: 10/07/09 **Analysis Date...**: 10/07/09
Prep Batch #...: 9281069
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	ND	200	200	ug/L	88		SW846 8015B
	ND	200	200	ug/L	87	1.0	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	131	(10 - 150)
	127	(10 - 150)

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

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLH2H1AG-MS **Matrix.....**: SOLID
MS Lot-Sample #: A9I250270-001 LLH2H1AH-MSD
Date Sampled...: 09/25/09 12:15 **Date Received...**: 09/25/09
Prep Date.....: 09/30/09 **Analysis Date...**: 10/02/09
Prep Batch #...: 9273037
Dilution Factor: 200 **% Moisture.....**: 12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	0.0 DIL, a	(10 - 199)			SW846 8015B
	5470 DIL,	(10 - 199)	0.0	(0-30)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	40 DIL	(10 - 110)
	220	(10 - 110)

Qualifiers: DIL, *

NOTE(S):

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

Bold print denotes control parameters

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

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLH2H1AG-MS **Matrix.....**: SOLID
MS Lot-Sample #: A9I250270-001 LLH2H1AH-MSD
Date Sampled...: 09/25/09 12:15 **Date Received...**: 09/25/09
Prep Date.....: 09/30/09 **Analysis Date...**: 10/02/09
Prep Batch #...: 9273037
Dilution Factor: 200 **% Moisture.....**: 12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	4100	19	3500	mg/kg	0.0		SW846 8015B
	Qualifiers: DIL,a						
	4100	19	5100	mg/kg	5470	0.0	SW846 8015B
	Qualifiers: DIL,a						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	40 DIL	(10 - 110)
	220	(10 - 110)
	Qualifiers: DIL,*	

NOTE(S):

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

Bold print denotes control parameters

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

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPWX1AG-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-001 LLPWX1AH-MSD
Date Sampled...: 09/29/09 08:40 **Date Received...**: 09/30/09
Prep Date.....: 10/01/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9274322
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	46	(10 - 199)			SW846 8015B
	66 p	(10 - 199)	34	(0-30)	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>	
C9 (nonane)		20		(10 - 110)	
		27		(10 - 110)	

NOTE(S):

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPWX1AG-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-001 LLPWX1AH-MSD
Date Sampled...: 09/29/09 08:40 **Date Received...**: 09/30/09
Prep Date.....: 10/01/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9274322
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	ND	17	8.6	mg/kg	46		SW846 8015B
	ND	17	12	mg/kg	66 p	34	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	20	(10 - 110)
	27	(10 - 110)

NOTE(S):

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLWAD1AL-MS **Matrix.....**: WG
MS Lot-Sample #: A9J020166-001 LLWAD1AM-MSD
Date Sampled...: 09/30/09 13:20 **Date Received...**: 10/02/09
Prep Date.....: 10/02/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9275470
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	90	(10 - 199)			SW846 8015B
	105	(10 - 199)	14	(0-30)	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>	
C9 (nonane)		57		(10 - 110)	
		60		(10 - 110)	

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 Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLWAD1AL-MS **Matrix.....**: WG
MS Lot-Sample #: A9J020166-001 LLWAD1AM-MSD
Date Sampled...: 09/30/09 13:20 **Date Received...**: 10/02/09
Prep Date.....: 10/02/09 **Analysis Date...**: 10/05/09
Prep Batch #...: 9275470
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	94	980	970	ug/L	90		SW846 8015B
	94	980	1100	ug/L	105	14	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	57	(10 - 110)
	60	(10 - 110)

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

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPXN1AP-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-019 LLPXN1AQ-MSD
Date Sampled...: 09/29/09 16:10 **Date Received...**: 09/30/09
Prep Date.....: 10/12/09 **Analysis Date...**: 10/13/09
Prep Batch #...: 9285056
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	65	(10 - 199)			SW846 8015B
	82	(10 - 199)	22	(0-30)	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>	
C9 (nonane)		17		(10 - 110)	
		26		(10 - 110)	

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: 9I29153 **Work Order #...**: LLPXN1AP-MS **Matrix.....**: S0
MS Lot-Sample #: A9I300149-019 LLPXN1AQ-MSD
Date Sampled...: 09/29/09 16:10 **Date Received...**: 09/30/09
Prep Date.....: 10/12/09 **Analysis Date...**: 10/13/09
Prep Batch #...: 9285056
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	ND	20	14	mg/kg	65		SW846 8015B
	ND	20	17	mg/kg	82	22	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	17	(10 - 110)
	26	(10 - 110)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: 9I29153

Matrix.....: WATER

Date Sampled...: 09/30/09 09:30 Date Received...: 10/01/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A9J010230-001 Prep Batch #... : 9279014						
Leach Date..... : 10/05/09 Leach Batch #... : P927802						
Arsenic	102	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61AW
	101	(50 - 150)	1.1 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61AX
Dilution Factor: 5						
Barium	101	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61A0
	100	(50 - 150)	0.72 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61A1
Dilution Factor: 5						
Cadmium	108	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61A2
	107	(50 - 150)	1.0 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61A3
Dilution Factor: 5						
Chromium	103	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61A4
	102	(50 - 150)	0.79 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61A5
Dilution Factor: 5						
Lead	108	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61A6
	107	(50 - 150)	1.1 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61A7
Dilution Factor: 5						
Selenium	105	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61A8
	103	(50 - 150)	1.4 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61A9
Dilution Factor: 5						
Silver	101	(50 - 150)		SW846 6010B	10/06-10/07/09	LLTR61CA
	100	(50 - 150)	0.98 (0-20)	SW846 6010B	10/06-10/07/09	LLTR61CC
Dilution Factor: 5						
Mercury	92	(50 - 150)		SW846 7470A	10/06-10/07/09	LLTR61CD
	92	(50 - 150)	0.10 (0-20)	SW846 7470A	10/06-10/07/09	LLTR61CE
Dilution Factor: 1						

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: 9I29153

Matrix.....: WATER

Date Sampled...: 09/30/09 09:30 Date Received...: 10/01/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A9J010230-001 Prep Batch #... : 9279014 Leach Date.....: 10/05/09 Leach Batch #... : P927802									
Arsenic									
	0.0096	5.0	5.1	mg/L	102		SW846 6010B	10/06-10/07/09	LLTR61AW
	0.0096	5.0	5.1	mg/L	101	1.1	SW846 6010B	10/06-10/07/09	LLTR61AX
Dilution Factor: 5									
Barium									
	0.024	50.0	50.4	mg/L	101		SW846 6010B	10/06-10/07/09	LLTR61A0
	0.024	50.0	50.1	mg/L	100	0.72	SW846 6010B	10/06-10/07/09	LLTR61A1
Dilution Factor: 5									
Cadmium									
	ND	1.0	1.1	mg/L	108		SW846 6010B	10/06-10/07/09	LLTR61A2
	ND	1.0	1.1	mg/L	107	1.0	SW846 6010B	10/06-10/07/09	LLTR61A3
Dilution Factor: 5									
Chromium									
	0.0023	5.0	5.2	mg/L	103		SW846 6010B	10/06-10/07/09	LLTR61A4
	0.0023	5.0	5.1	mg/L	102	0.79	SW846 6010B	10/06-10/07/09	LLTR61A5
Dilution Factor: 5									
Lead									
	0.0022	5.0	5.4	mg/L	108		SW846 6010B	10/06-10/07/09	LLTR61A6
	0.0022	5.0	5.4	mg/L	107	1.1	SW846 6010B	10/06-10/07/09	LLTR61A7
Dilution Factor: 5									
Selenium									
	0.0055	1.0	1.1	mg/L	105		SW846 6010B	10/06-10/07/09	LLTR61A8
	0.0055	1.0	1.0	mg/L	103	1.4	SW846 6010B	10/06-10/07/09	LLTR61A9
Dilution Factor: 5									
Silver									
	ND	1.0	1.0	mg/L	101		SW846 6010B	10/06-10/07/09	LLTR61CA
	ND	1.0	1.0	mg/L	100	0.98	SW846 6010B	10/06-10/07/09	LLTR61CC
Dilution Factor: 5									
Mercury									
	ND	0.0050	0.0046	mg/L	92		SW846 7470A	10/06-10/07/09	LLTR61CD
	ND	0.0050	0.0046	mg/L	92	0.10	SW846 7470A	10/06-10/07/09	LLTR61CE
Dilution Factor: 1									

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 9I29153

Matrix.....: WATER

Date Sampled...: 09/29/09 15:55 Date Received...: 09/30/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#: LLL171AR-MS/LLL171AT-MSD	MS	Lot-Sample #: A9I280152-002		
	73	(27 - 124)		SW846 9030B/9034	10/06/09	9279364
	69	(27 - 124)	4.5 (0-20)	SW846 9030B/9034	10/06/09	9279364
		Dilution Factor: 1				
Total Cyanide		WO#: LLQJ01AL-MS/LLQJ01AM-MSD	MS	Lot-Sample #: A9I300208-002		
	108	(42 - 140)		SW846 9012A	10/06/09	9279458
	96	(42 - 140)	10 (0-20)	SW846 9012A	10/06/09	9279458
		Dilution Factor: 1				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: 9I29153

Matrix.....: WATER

Date Sampled...: 09/29/09 15:55 Date Received...: 09/30/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	2.2	9.5	9.1	mg/L	73		SW846 9030B/9	10/06/09	9279364
	2.2	9.5	8.7	mg/L	69	4.5	SW846 9030B/9	10/06/09	9279364

Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.040	0.046	mg/L	108		SW846 9012A	10/06/09	9279458
	ND	0.040	0.042	mg/L	96	10	SW846 9012A	10/06/09	9279458

Dilution Factor: 1

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A9I290153

Work Order #...: LLM7R-SMP
LLM7R-DUP

Matrix.....: S0

Date Sampled...: 09/28/09 15:30

Date Received...: 09/29/09

% Moisture.....: 5.1

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	94.9	95.3	%	0.35	(0-20)	SD Lot-Sample #: A9I290153-003 MCAWW 160.3 MOD	10/12-10/13/09	9285345

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A9I290153

Work Order #...: LLM7T-SMP
LLM7T-DUP

Matrix.....: S0

Date Sampled...: 09/28/09 16:20

Date Received...: 09/29/09

% Moisture.....: 4.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	96.0	94.8	%	1.2	(0-20)	SD Lot-Sample #: A9I290153-004 MCAWW 160.3 MOD	10/12-10/13/09	9285345

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A9I290153

Work Order #...: LLPWX-SMP
LLPWX-DUP

Matrix.....: S0

Date Sampled...: 09/29/09 08:40

Date Received...: 09/30/09

% Moisture.....: 3.2

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	96.8	96.5	%	0.29	(0-20)	SD Lot-Sample #: A9I300149-001 MCAWW 160.3 MOD	10/12-10/13/09	9285348

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A9I290153

Work Order #...: LLPXN-SMP
LLPXN-DUP

Matrix.....: S0

Date Sampled...: 09/29/09 16:10

Date Received...: 09/30/09

% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	84.0	84.2	%	0.21	(0-20)	SD Lot-Sample #: A9I300149-019 MCAWW 160.3 MOD	10/12-10/13/09	9285348

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A9I290153

Work Order #...: LLWCL-SMP
LLWCL-DUP

Matrix.....: WG

Date Sampled...: 10/01/09 16:00

Date Received...: 10/02/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ignitability	>180	>180	No Units	0.0	(0-20)	SD Lot-Sample #: A9J020166-006 SW846 SECTION 7.1	10/14/09	9287376
			Dilution Factor: 1					
Corrosivity	7.3	7.4	No Units	0.27	(0-20)	SD Lot-Sample #: A9J020166-006 SW846 9045A	10/02/09	9275386
			Dilution Factor: 1					



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

Required Client Information:

Company: C R A	Report To: Sue Scrochi
Address: 8615 W. Bryn	Copy To: Phil Harvey
Maurine, Chicago IL	Invoice To:
60631	P.O.:
Phone: 773-380-9933	Project Name: Foster GM facility
Fax: 773-380-6421	Project Number: 12559-04-020840
E-mail: sscrochi@cra-world	

Laboratory: Test America
Laboratory Location: N. Canton OH
Laboratory Contact: Dennis Hecker
Requested Due Date: TAT: Stand.
QA/QC Requirements:

ID #
Nº 09039

SSOW Ref. Code:
E045011

Sample Identification:

Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	Preservative					Analysis and Method					Remarks/Lab ID
						HCl	H2SO4	HNO3	NaOH	Other:	VOC	GRO	DRO	% solid		
1. S-092804-SH-001	50	9/26/09	1350	7	✓						✓	✓	✓			
2. S-092804-SH-002	50		1515	7	✓						✓	✓	✓			
3. S-092804-SH-003	50		1536	7	✓						✓	✓	✓			
4. S-092804-SH-004	50		1620	7	✓						✓	✓	✓			
5. S-092804-SH-005	50		1700	7	✓						✓	✓	✓			
6.																
7.																
8.																
9.																
10.																
11.																
12.																
13.																
14.																
15.																

TOTAL NUMBER OF CONTAINERS 35

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed-X	1	John Hargens / C R A	9/25/09	1900	Joanna Marquis	9/29/09	915
AIRBILL NO.	8620 01908285						

Sample Condition

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

Additional Comments:

Sampler Name: John Hargens	Date: 9/26/09
Sampler Signature: [Signature]	

Distribution: WHITE - Fully Executed Copy

YELLOW - Receiving Laboratory Copy

PINK - Sampler Copy

TestAmerica Cooler Receipt Form/Narrative
Lot Number: A9I290153
North Canton Facility

 Client CCA Project Berner Guy By: Deana Mangum

 Cooler Received on 9/29/09 Opened on 9/29/09 (Signature)

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

 TestAmerica Cooler # L759 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 _____ Quantity Unsalvageable _____

 Were custody seals on the outside of cooler(s) signed and dated? Yes ☒ No ☐ NA ☒ 9/29/09

 Were custody seals on the bottle(s)? Yes ☐ No ☒

 If YES, are there any exceptions? _____ Yes ☒ No ☐

 2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐

 3. Did custody papers accompany the sample(s)? 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 1.4 °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# 031909-HNO₃; Sulfuric Acid Lot# 100108-H₂SO₄; Sodium

Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-

 (CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

North Canton Facility

[illegible]

Discrepancies Cont'd:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



CHAIN-OF-CUSTODY / Analytical Request Document

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

Required Client Information:

Company: CRA	Report To: Sue Scrobacki
Address: 8615 W. Bryn Mawr, Chicago, IL 60631	Copy To: Phil Harvey
Phone: 773-380-9933	Project Name: Former GM Fairbury
Fax: 773-380-6421	Project Number: 12599-04-0202040
E-mail: s.scrobacki@cra-world.com	QA/QC Requirements: MS/MSD

PAGE 1 OF 2

Laboratory: Test America
Laboratory Location: North Canton OH
Laboratory Contact: Denise Hackler
Requested Due Date: MS/MSD
TAT: Standard

ID # Nº 09041
SSOW Ref Code: E095011

Sample Identification:

Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method	Remarks/Lab ID
1. 5-092909-JH-006	50	9/29/09	840 21	1	✓						VOC	MS/MSD
2. 007	50		915 7	1	✓						GRO	
3. 008	50		930 7	1	✓						DRO	
4. 009	50		1000 7	1	✓						% Moisture	
5. 010	50		1015 7	1	✓							
6. 011	50		1050 7	1	✓							
7. 012	50		1100 7	1	✓							
8. 013	50		1125 7	1	✓							
9. 014	50		1140 7	1	✓							
10. 015	50		1200 7	1	✓							
11. 016	50		1215 7	1	✓							
12. 017	50		1310 7	1	✓							
13. 018	50		1320 7	1	✓							
14. 019	50		1400 7	1	✓							
15. 020	50		1415 7	1	✓							
TOTAL NUMBER OF CONTAINERS 119												

SHIPMENT METHOD Fed-X	NO. OF COOLERS 1	RELINQUISHED BY / AFFILIATION John Hargens / CRA	DATE 9/29/09 1700	TIME 1700	RECEIVED BY / AFFILIATION Denny Burns / TTA	DATE 9/30/09	TIME 915
AIRBILL NO. 86200190 9294							

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

Sample Condition

Additional Comments:

Sample Name: **John Hargens**

Sampler Signature: **John Hargens**

Date: **9/29/09**



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

PAGE 2 OF 2

Company:	CRA	Report To:	Sue Scroochi
Address:	8615 W. Byron	Copy To:	Phil Harvey
	Maurice, Chi, IL	Invoice To:	
	66631	P.O.:	
Phone:	773-380-9933	Project Name:	Former GM Fair
Fax:	773-380-6421	Project Number:	12599-04-2
E-mail:	S.Scroochi@CRAworld.com		

Laboratory:	Test America
Laboratory Location:	N. Canton Ohio
Laboratory Contact:	Debbie Heckler
Requested Due Date:	TAT: Standard

ID #	Nº 09042
SSOW Ref. Code:	E095011

QA/QC Requirements: *ms/msd*

Analysis and Method

Valid Matrix Codes:		Preservative
WG Groundwater		
WB Borehole Water		
WS Surface Water		
SO Soil		
SE Sediment		
See Back for Additional Codes		
Matrix Code		
Date Collected		
Time Collected		
# Containers		
Unpreserved		
HCl		
H2SO4		
HNO3		
NaOH		
Other:		

VOC
GRO
DRO
0% moisture

Remarks/Lab ID

Sample Identification:

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
5-092409-34-0 21 022 023 024 50 50 50 50 9/29/09 1430 1445 1600 1610 7 7 7 21 ✓ ✓ ✓ ✓														
MS/MSD														
TOTAL NUMBER OF CONTAINERS 42														

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed-X	1	John Hagens / CRA	9/29/09	1900	Gregory / Summit TA	9/30/09	915
AIRBILL NO.	8620 0190 8274						
Sample Condition							

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

Additional Comments:

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

Sampler Name: John Hargens
Sampler Signature: *John Hargens* Date: 9/24/09

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: 49130049

Client CRA Project Former GM By Derry Burns
 Cooler Received on 9/30/09 Opened on 9/30/09 (Signature)
 FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other ☐
 TestAmerica Cooler # A217 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 2 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 1.2 °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# 031909-HNO₃; Sulfuric Acid Lot# 100108-H₂SO₄; Sodium
 Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-
 (CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative

North Canton Facility

[illegible]

Discrepancies Cont'd:

[illegible]



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

RBV, 0 (6/04)

TestAmerica Cooler Receipt Form/Narrative

Lot Number: AA020146

North Canton Facility

Client CRA Project Gm Fairfax By: Matthew Jent
Cooler Received on 2 OCT 2009 Opened on 2 OCT 2009 (Signature)

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

TestAmerica Cooler # BACK 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 6 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 PLASTIC BAG

6. Cooler temperature upon receipt BACK °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 ☒ MF 10/2

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 DDH Date 10/1 by AM via Verbal ☒ Voice Mail ☐ Other ☐

Concerning 14

14. CHAIN OF CUSTODY

The following discrepancies occurred:

REF ID 3x40ml TB, COC = 2x40ml, will log volume
rec'd.

On COC # 09045 sample dt = 9/29/09, sam. ID has 093009 in it
+ bottle labels have sam. dt. of 9/30/09 - will log dt as 9/30/09.

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# 031909-HNO₃; Sulfuric Acid Lot# 100108-H₂SO₄; Sodium

Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-

(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials
<u>030</u>	<u>>9 >12</u>	<u>2 OCT 2009</u>	<u>MAF</u>

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

[illegible]

Discrepancies Cont'd:

END OF REPORT

APPENDIX C

STRATIGRAPHIC LOGS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-300

DATE COMPLETED: September 28, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	743.1						
2	CL/ML CLAY/SILT, dark brown			1GP	P/S			0.8
4	ML SILT, brown	740.1						0.9
6				2GP	P/S			1.7
8	SP SAND, fine grained, brown	735.6						2.1
10	CL CLAY, brown	734.1						2.3
10	ML SILT, brown	733.1		3GP	P/S			2.3
12	SP SAND, fine grained, brown	731.6						2.3
14				4GP	P/S			3.0
16								1.2
18				5GP	P/S			1.1
20	- wet at 20.0ft BGS			18-20'				1.0
22				6GP	P/S			2.5
24	END OF BOREHOLE @ 24.0ft BGS	719.1						3.1

Backfilled with cement bentonite grout

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

WATER FOUND ∇ 9/28/09

CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

HOLE DESIGNATION: SB-301

PROJECT NUMBER: 012559

DATE COMPLETED: September 28, 2009

CLIENT: Motors Liquidation Company

DRILLING METHOD: Geoprobe

LOCATION: Kansas City, Kansas

FIELD PERSONNEL: J. Hargens

DRILLING CONTRACTOR: Larsen & Associates

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	742.7						
2	CL CLAY, trace silt, dark brown			1GP	P/S			0
	CONCRETE	739.7						0.5
4	CL CLAY, trace silt, dark brown	739.2						0.7
6	SP SAND, fine grained, slight odor	736.7		2GP	P/S			0.5
8								0
10				3GP	P/S			0
	SM SAND, silty, fine grained, brown	731.7						0
12								0
14				4GP	P/S			0
16	SP SAND, fine grained, brown	727.7						0
18				5GP	P/S			0
	- fine to medium grained, wet at 19.0ft BGS							0
20	END OF BOREHOLE @ 20.0ft BGS	722.7						
22								
24								
26								
28								

Backfilled with
cement
bentonite
grout

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

WATER FOUND ∇ 9/28/09

CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

HOLE DESIGNATION: SB-302

PROJECT NUMBER: 012559

DATE COMPLETED: September 28, 2009

CLIENT: Motors Liquidation Company

DRILLING METHOD: Geoprobe

LOCATION: Kansas City, Kansas

FIELD PERSONNEL: J. Hargens

DRILLING CONTRACTOR: Larsen & Associates

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	"N" VALUE	PID (ppm)
	GROUND SURFACE	743.2						
2	CL CLAY, trace silt, dark brown			1GP	P/S			0
4	SP SAND, fine grained, brown	739.3						0
6	CL/ML CLAY/SILT, dark brown	738.3		2GP	P/S			0.1
8	SP SAND, fine grained, brown	735.0						0
10				3GP	P/S			0.3
12	SP/ML SAND/SILT, fine grained, brown	731.2						0
14				4GP	P/S			1.6
16								2.7
18	SP SAND, fine grained, brown	726.2		5GP	P/S			3.3
20	- fine to medium grained, wet at 19.0ft BGS			17-19				4.3
20	END OF BOREHOLE @ 20.0ft BGS	723.2						

Backfilled with
cement
bentonite
grout

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

WATER FOUND ☒ 9/28/09

CHEMICAL ANALYSIS ☐

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-303

DATE COMPLETED: September 28, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	"N" VALUE	P/D (ppm)
	GROUND SURFACE	742.9						
2	CL/ML CLAY/SILT, dark brown			1GP	P/S			0
4								0
6				2GP	P/S			0
8								0
10	SP SAND, trace silt, fine grained, brown	732.9		3GP	P/S			0
12								0
14	ML SILT, dark brown	729.9		4GP	P/S			0
16								0
18	SP SAND, fine grained, brown	725.9		5GP	P/S			0
20	- wet at 19.0ft BGS			17-19'				0
20	END OF BOREHOLE @ 20.0ft BGS	722.9						
22								
24								
26								
28								

Backfilled with
cement
bentonite
grout

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

WATER FOUND ∇ 9/28/09

CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

HOLE DESIGNATION: SB-304

PROJECT NUMBER: 012559

DATE COMPLETED: September 29, 2009

CLIENT: Motors Liquidation Company

DRILLING METHOD: Geoprobe

LOCATION: Kansas City, Kansas

FIELD PERSONNEL: J. Hargens

DRILLING CONTRACTOR: Larsen & Associates

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	743.1						
2	CL/ML CLAY/SILT, dark brown			1GP	P/S			0
4								0
6				2GP	P/S			0
8	SP SAND, fine grained, brown	735.6						0
10				3GP	P/S			0
12	ML SILT, brown	731.1						0
14	SP SAND, fine to medium grained, brown	729.1		4GP	P/S			0
16								0
18				5GP	P/S			0
20	- wet at 19.0ft BGS			17-19				0
20	END OF BOREHOLE @ 20.0ft BGS	723.1						

Backfilled with
cement
bentonite
grout

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

WATER FOUND ☒ 9/29/09

CHEMICAL ANALYSIS ☐

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

HOLE DESIGNATION: SB-B3-A

PROJECT NUMBER: 012559

DATE COMPLETED: September 29, 2009

CLIENT: Motors Liquidation Company

DRILLING METHOD: Geoprobe

LOCATION: Kansas City, Kansas

FIELD PERSONNEL: J. Hargens

DRILLING CONTRACTOR: Larsen & Associates

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	"N" VALUE	PID (ppm)
	GROUND SURFACE	743.1						
2	CL CLAY, some silt, dark brown			1GP 1-3'	P/S			4.3
4	ML SILT, brown gray, odor	740.1						5.4
6				2GP	P/S			16.2
8								77.8
10				3GP	P/S			98.3
12								127
14				4GP 13-15'	P/S			329
16								331
18	SP SAND, fine grained, gray, odor	726.1		5GP	P/S			59.7
20	- wet at 19.0ft BGS							48.3
20	END OF BOREHOLE @ 20.0ft BGS	723.1						

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cement
bentonite
grout

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

WATER FOUND ∇ 9/29/09

CHEMICAL ANALYSIS

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-B5-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	"N" VALUE	PID (ppm)
	GROUND SURFACE	742.7						
2	CL CLAY, silty, trace fine gravel, dark brown			1GP 1-3'	P/S			0
4	ML SILT, dark brown	739.7						1.2
6				2GP	P/S			1.5
8								2.7
10				3GP	P/S			4.8
12								7.0
14				4GP 13-15'	P/S			6.5
16	SP SAND, fine grained, brown	727.7						3.1
18				5GP	P/S			3.1
20	- wet at 19.0ft BGS							2.9
20	END OF BOREHOLE @ 20.0ft BGS	722.7						
22								
24								
26								
28								

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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ 9/29/09
CHEMICAL ANALYSIS ○



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-D4-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	"N" VALUE	PID (ppm)
	GROUND SURFACE	743.1						
	CL CLAY, trace silt, dark brown							98
2	ML SILT, gray, odor	741.1		1GP 1-3'	P/S			121
4								263
6				2GP	P/S			348
8								354
10	SP SAND, fine grained, gray, odor	733.1		8-10' 3GP	P/S			195
12								172
14				4GP	P/S			160
16								141
18				5GP	P/S			148
20	- wet at 19.0ft BGS							
20	END OF BOREHOLE @ 20.0ft BGS	723.1						
22								
24								
26								
28								

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cement
bentonite
grout

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

WATER FOUND ∇ 9/29/09

CHEMICAL ANALYSIS

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-E2-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	743.0						
2	CL CLAY, trace fine to coarse gravel, dark brown			1GP 1-3'	P/S			0
	CONCRETE	740.0						0
4	CL CLAY, trace fine to coarse gravel, dark brown	739.5						0
6	ML SILT, gray	737.0		2GP	P/S			0
8	SP SAND, fine grained, brown	735.5						0
10				3GP	P/S			0
12	- silty from 11.5 to 12.5ft BGS							0
14				4GP	P/S			0
16								0
18				5GP 17-19'	P/S			0
20	END OF BOREHOLE @ 20.0ft BGS	723.0						0

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bentonite
grout

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ 9/29/09
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-E4-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	742.9						
2	CL/ML CLAY/SILT, dark brown - gray staining, odor at 2.0ft BGS			1GP 1-3'	P/S			44
4	ML SILT, gray, odor	738.9		2GP	P/S			63
6								88
8								110
10	SP SAND, fine grained, odor	733.9		3GP	P/S			144
12								145
14				4GP	P/S			154
16								160
18				5GP 17-19'	P/S			218
20	- wet at 19.0ft BGS END OF BOREHOLE @ 20.0ft BGS	722.9						237
22								
24								
26								
28								

Backfilled with cement bentonite grout

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ 9/29/09
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-F4-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	742.8						
2	CL CLAY, trace silt, dark brown			1GP 1-3'	P/S			12
4	ML SILT, brown	740.3						18
6				2GP	P/S			25
8								31
10								75
12		730.8		3GP	P/S			83
14	SP SAND, fine grained, brown, slight odor			4GP	P/S			129
16								135
18				5GP 17-19'	P/S			141
20	- wet at 19.0ft BGS							168
20	END OF BOREHOLE @ 20.0ft BGS	722.8						
22								
24								
26								
28								

Backfilled with cement bentonite grout

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ 9/29/09
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-F5-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	742.2						
2	CL CLAY, some silt, dark brown			1GP	1-3'	P/S		0
4	ML SILT, brown	740.2						0
6				2GP		P/S		0
8								0
10	SP SAND, fine grained, brown	733.2		3GP		P/S		0
12	ML SILT, brown	732.2						0
14				4GP		P/S		0
16								0
18				5GP	17-19'	P/S		0
20	- wet at 19.0ft BGS							0
20	END OF BOREHOLE @ 20.0ft BGS	722.2						

Backfilled with
cement
bentonite
grout

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

WATER FOUND ∇ 9/29/09

CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-G2-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	743.3						
2	CL CLAY, trace silt, dark brown			1GP 1-3'	P/S			0
4	SP SAND, fine grained, brown	739.8						0
	ML SILT, soft, brown	738.8		2GP	P/S			0
6								0
8	CL CLAY, soft, brown	736.3						1.3
10				3GP	P/S			1.0
	SP SAND, fine grained, brown	732.3						1.5
12				4GP	P/S			1.9
14	SM SAND, silty, brown	730.3						2.5
16	SP SAND, fine grained, brown	727.3		5GP 17-19'	P/S			3.1
18								
20	- wet at 19.0ft BGS							
20	END OF BOREHOLE @ 20.0ft BGS	723.3						
22								
24								
26								
28								

Backfilled with
cement
bentonite
grout

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ 9/29/09
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Fairfax I Plant Site

PROJECT NUMBER: 012559

CLIENT: Motors Liquidation Company

LOCATION: Kansas City, Kansas

DRILLING CONTRACTOR: Larsen & Associates

HOLE DESIGNATION: SB-G4-A

DATE COMPLETED: September 29, 2009

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: J. Hargens

DRILLER: P. Gallagher

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GROUND SURFACE	742.6						
2	CL CLAY, trace silt, dark brown			1GP 1-3'	P/S			0.2
		739.6						0.2
4	SP SAND, fine grained, brown							
	CONCRETE	738.6						
		738.1						
	SP SAND, fine grained, brown	737.6						0.8
6	ML SILT, brown			2GP	P/S			0.5
		735.1						0.9
8	SP SAND, fine grained, brown							
		733.6						
10	ML SILT, brown			3GP	P/S			1.1
		731.6						1.2
12	SP SAND, fine grained, brown							
14				4GP	P/S			1.2
16								
18				5GP 17-19'	P/S			1.3
20	- wet at 19.0ft BGS							1.2
	END OF BOREHOLE @ 20.0ft BGS	722.6						

Backfilled with
cement
bentonite
grout

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

WATER FOUND ∇ 9/29/09

CHEMICAL ANALYSIS ○

OVERBURDEN LOG 12559 MLC.GPJ CRA_CORP.GDT 2/16/10