



**CONESTOGA-ROVERS
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February 28, 2008

Reference No. 012559

Ms. Laura C. Price
Voluntary Cleanup Unit/Remedial Section
Bureau of Environmental Remediation
Kansas Department of Health & Environment
1000 SW Jackson Street, Suite 410
Topeka, Kansas 66612-1367

Dear Ms. Price:

Re: Groundwater Monitoring Results (Third Quarter 2007)
Former General Motors Fairfax I Plant Site
Kansas City, Kansas

1.0 INTRODUCTION

1.1 GENERAL

This monitoring report provides a summary of the groundwater monitoring program implemented by General Motors (GM) at the Former General Motors Fairfax I Plant (Site) in Kansas City, Kansas during the third quarter of 2007.

GM entered the former Fairfax I Site into the Voluntary Cleanup and Property Redevelopment Program (VCPRP) in March 14, 2001. Conestoga-Rovers & Associates (CRA) has performed numerous studies at the Site.

Field activities were performed in accordance with the scope of work and procedures outlined in the documents approved by the Kansas Department of Health and Environment (KDHE) and titled "Groundwater Monitoring Plan (Revised)" (CRA, July 2007) and "Pre-Design Investigations Work Plan" (CRA, August 2001).

1.2 SITE LOCATION AND DESCRIPTION

The Site is located at 100 Kindelberger Road, Kansas City, Kansas and is located in the floodplain of the Missouri River. Refer to Figure 1.1 for the Site location. The Fairfax I Plant Site is vacant as operations ceased in 1986/87 and the facility was demolished in 1987. A number of monitoring wells, however, remain on the Site. Figure 1.2 presents the Site layout and the approximate locations of known existing monitoring wells. Table 1.1 presents well construction details for the wells in the monitoring well network.



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2.0 SCOPE OF WORK

As outlined in the 2007 Groundwater Monitoring Plan (Revised), the field activities conducted during the week of September 10, 2007 consisted of the following tasks:

- Installation of one new monitoring well (MW-125);
- Development of new monitoring well MW-125;
- Surveying of new monitoring well MW-125;
- Collection of depth to water measurements at the 32 wells in the monitoring well network;
- Collection of groundwater samples from the 32 wells in the monitoring well network and from one temporary monitoring well (TMW-130); and
- Analysis of groundwater samples for target compound list volatile organic compounds (TCL VOCs) and total petroleum hydrocarbon as gasoline range organics (TPH-GRO).

3.0 FIELD ACTIVITIES

Field activities completed during this period included the installation of an additional monitoring well and a quarterly groundwater sampling event.

3.1 PERMANENT MONITORING WELL INSTALLATION

Monitoring well MW-125 was installed on October 31, 2007 in the SB-110 area, near soil boring SB-110 and former temporary monitoring well TMW-138, to monitor tetrachloroethane (PCE) previously detected in soil in that area of the Site.¹

The monitoring well was installed using a hollow stem auger (HSA) drill rig with 3.25-inch inside diameter augers. The monitoring well was screened from approximately 25 to 35 feet below ground surface. The monitoring well was constructed of nominal 2-inch diameter, polyvinyl chloride (PVC) screens (No. 10-slot), and nominal 2-inch diameter schedule 40 PVC riser pipe.

Silica sand was placed to a height of approximately 2 vertical feet above the top of the well screen. A bentonite chip seal measuring approximately 2 vertical feet was installed above the silica sand, followed by a cement bentonite mixture to within 2 feet of the ground surface. The

¹ The PCE detection at the SB-110 area was reported and discussed in the report titled "Results of Confirmatory Sampling Program (April 2005) and in the letter reports titled "Supplemental Confirmation Sampling results (May 9, 2006) and "Additional Groundwater and Soil Sampling Data" (February 19, 2007).



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remaining portion of the annulus was filled with concrete. The well casing was capped with an expandable locking cap. An above ground protective steel casing was installed.

A copy of the Stratigraphic and Instrumentation log is provided in Attachment A.

3.2 MONITORING WELL DEVELOPMENT

Monitoring well MW-125 was developed to minimize the presence of fine grained, suspended sediment and to ensure optimum communication between the well and the screened formation. Development consisted of surging and pumping the well. Measurements of temperature, pH, conductivity, and turbidity were monitored during well development. Well development parameters are provided in Table 3.1.

3.3 SURVEYING

The horizontal location of newly installed monitoring well MW-125 was surveyed to an accuracy of ± 0.1 feet and referenced to the GM Plant Grid Coordinate System. The ground surface elevation and top of riser elevation of the well were surveyed to an accuracy of ± 0.01 feet.

3.4 HYDRAULIC MONITORING

Depth to water measurements were collected at the Site on September 10, 2007. Water levels were measured to the nearest 0.01 feet using an electronic water level indicator.

3.5 QUARTERLY GROUNDWATER SAMPLING AND ANALYSIS

Groundwater sampling was conducted from September 11 to 14, 2007. Although not part of the monitoring well network, temporary monitoring well TMW-130 was also sampled at this time.² Newly installed monitoring well MW-125 was sampled on November 1, 2007. Field parameters were measured during monitoring well purging and recorded in the field logbook. Purging parameters are summarized in Table 3.2. Monitoring wells were purged using a submersible pump with dedicated tubing and using low-flow minimal drawdown techniques. Groundwater samples were analyzed for TCL VOCs and TPH-GRO. The KDHE collected a split sample at monitoring well MW-103B.

Groundwater samples were packed in a cooler with ice and shipped by overnight courier under chain-of-custody protocols to TestAmerica Laboratories, Inc. (TestAmerica) of North Canton, Ohio.

² This area of the Site is being addressed under a separate program to evaluate the occurrence of light non-aqueous phase liquid (LNAPL). Refer to the CRA work plan titled "LNAPL Investigation Work Plan TMW-130 Area" dated June 2007.



4.0 SUMMARY OF GROUNDWATER MONITORING RESULTS

The following discussion relates to the quarterly groundwater sampling event and does not reference past groundwater sampling events whose results were provided in previous reports to the KDHE.

4.1 HYDRAULIC MONITORING

A summary of groundwater elevations is presented in Table 4.1. Figure 4.1 presents groundwater contours for the shallow depth monitoring wells, and Figure 4.2 presents groundwater contours for the intermediate depth monitoring wells. The groundwater elevation for monitoring well MW-125 was not used in producing the shallow groundwater contours figure since the well had not yet been installed at the time the other water level measurements were taken.

4.2 QUALITY ASSURANCE/QUALITY CONTROL

An analytical data quality assessment and validation of the analytical results obtained by TestAmerica for the samples collected was conducted by CRA's quality assurance officer. The evaluation of the analytical data was based on a review of the information provided by TestAmerica, including laboratory blank data, as well as recovery data from matrix spike samples, surrogate compounds, and laboratory control samples. The analytical data were assessed for accuracy and precision based on the provided quality assurance data. Based on the results of the data quality assessment and validation, the analytical data are valid and suitable for quantitative purposes. The analytical data quality assessment and validation memorandum is provided in Appendix B.

4.3 ANALYTICAL RESULTS

A summary of detected analytical data is provided in Table 4.2. The table provides a comparison of the analytical data to the KDHE groundwater standards. Figure 1.2 provides monitoring well locations. Laboratory analytical results are provided in Appendix C.

During the sampling event, 4-methyl-2-pentanone, ethylbenzene, toluene, xylenes, and TPH-GRO were detected in the groundwater samples collected from MW-103A (sample and duplicate sample) at concentrations above the Kansas Department of Health and Environment (KDHE) criteria. Tetrachloroethene (PCE) was detected in the groundwater samples collected from MW-110A (sample and duplicate sample) at concentrations slightly above the KDHE criteria. Vinyl chloride was detected in the groundwater sample collected from MW-111 sample at a concentration slightly above the KDHE criteria. TPH-GRO was detected in the groundwater sample collected from temporary monitoring well TMW-130 sample at a concentration slightly above the KDHE criteria.



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Results are consistent with previous sampling events. Exceedences of the KDHE groundwater standards were observed at two locations on the Site property where GM is currently planning and designing remedial actions (e.g., MW-103A and TMW-130).³ One exceedence was detected at a well that is generally upgradient of the Former Fairfax I Plant Site (MW-110A) and located in the industrial area south of the Site. The remaining exceedence was detected at a well (MW-111) historically considered to be impacted from off-Site sources⁴.

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES


Phil Harvey

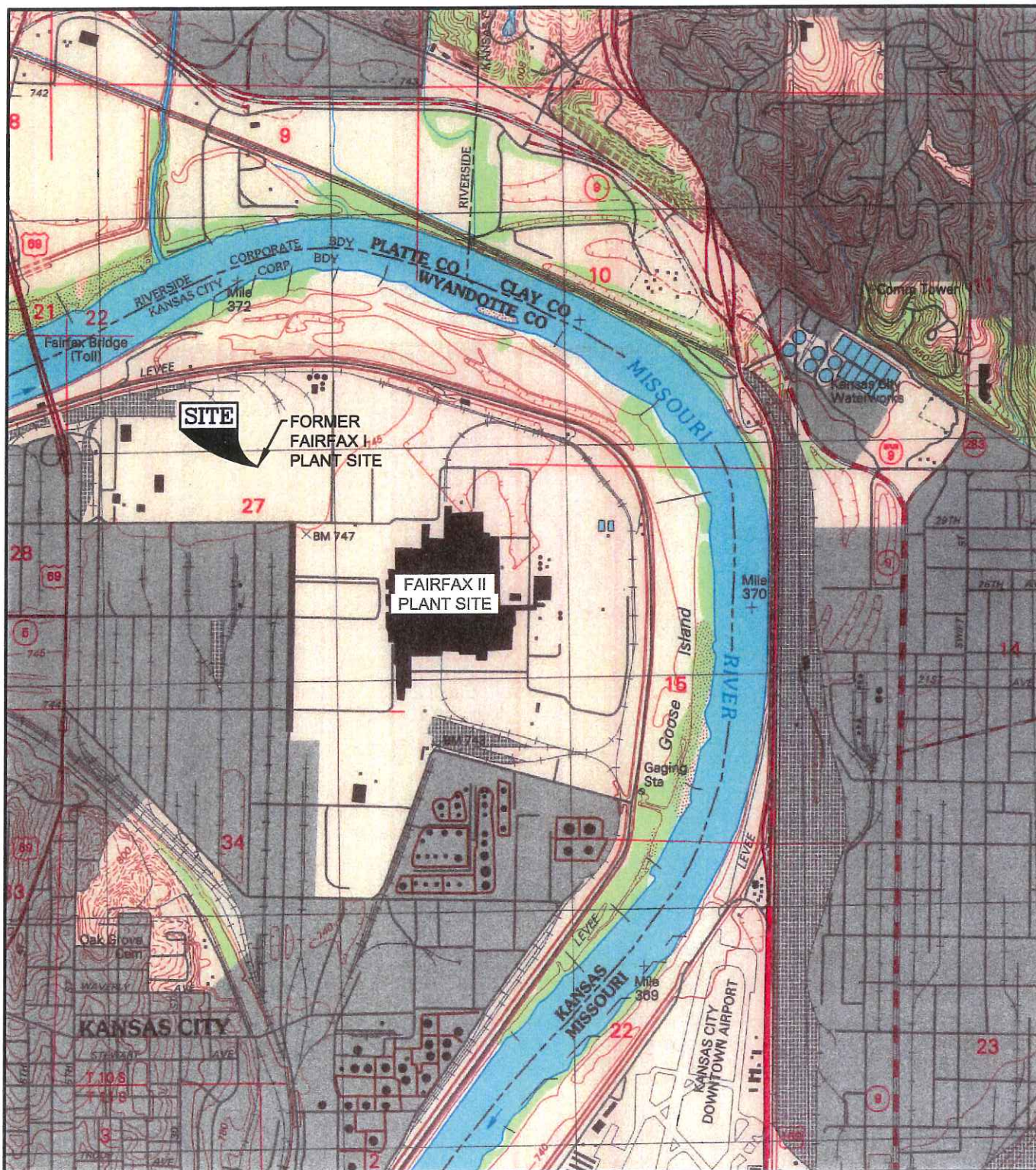
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Encl.

c.c.: Ken Richards, GM

³ For the MW-103A area, refer to the work plan titled "Pre-Design Investigations Work Plan" dated August 2001. For the TMW-130 area refer to the work plan titled "LNAPL Investigation Work Plan TMW-130 Area" dated June 2007.

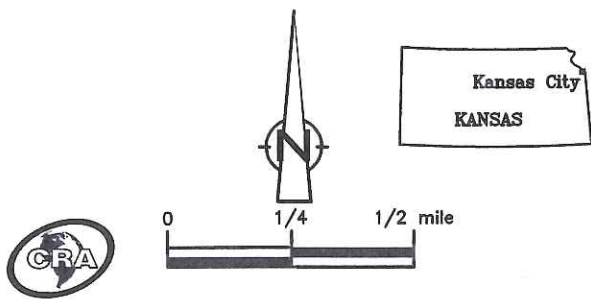
⁴ Refer to past reports titled "Comprehensive Groundwater Sampling Report", draft dated November 1998, and "Results of Soil and Groundwater Investigations Near Monitoring Well MW-103A", dated June 2000.

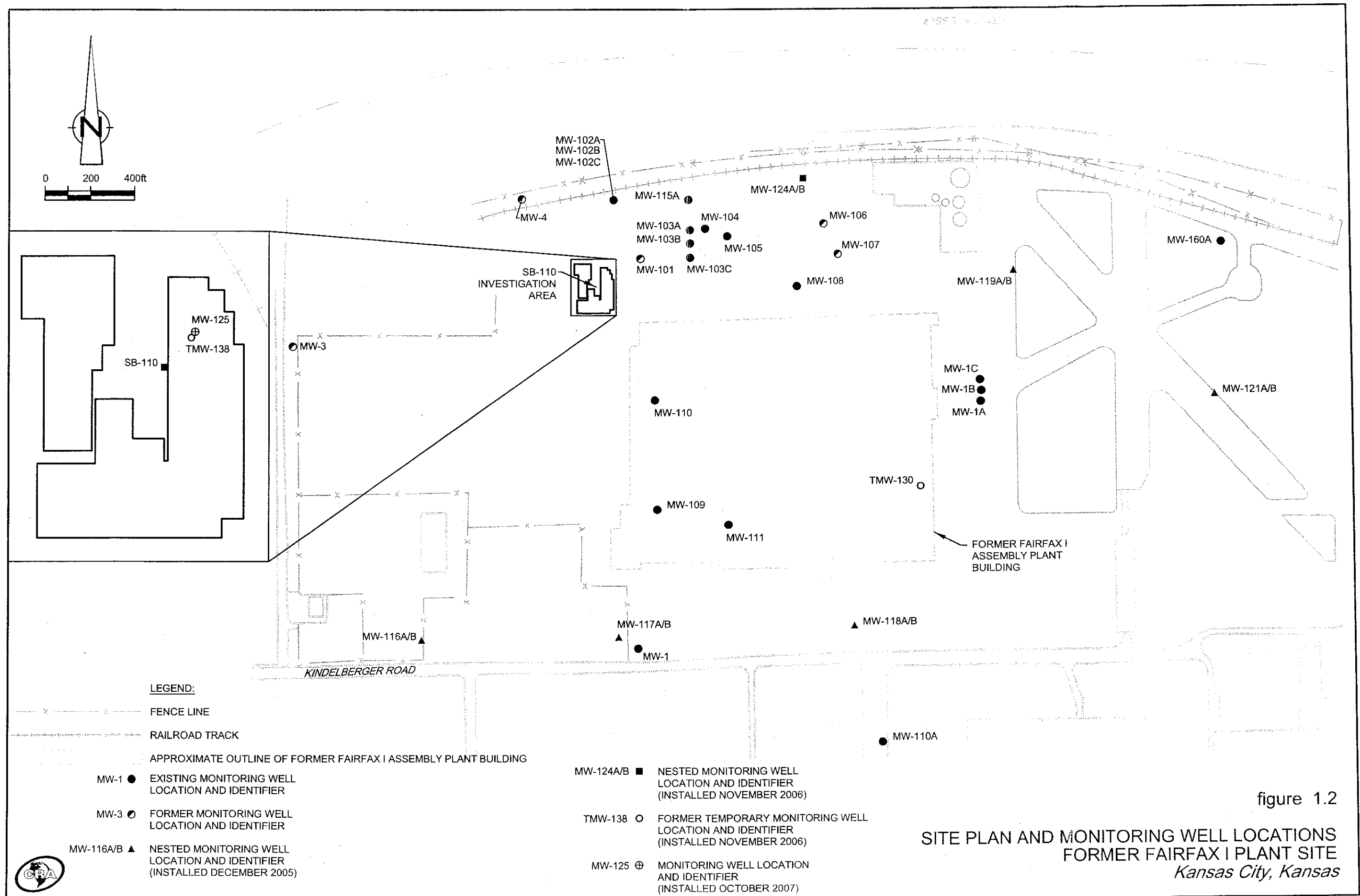


BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE;
NORTH KANSAS CITY, MO-KS 1990

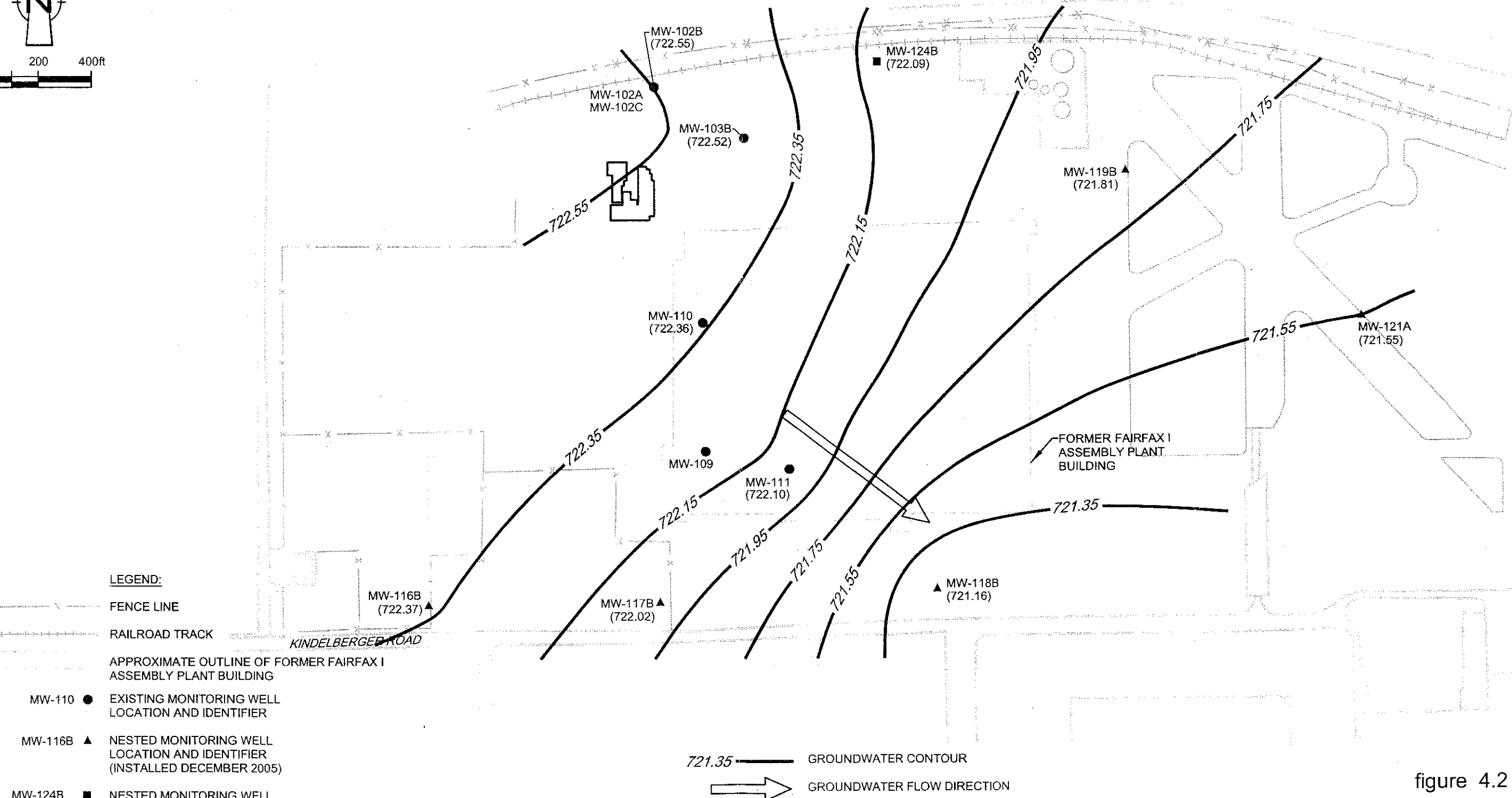
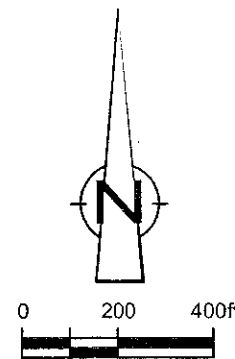
figure 1.1

SITE LOCATION MAP
FORMER FAIRFAX I PLANT SITE
Kansas City, Kansas









LEGEND:

- FENCE LINE
- - - - RAILROAD TRACK
- - - - APPROXIMATE OUTLINE OF FORMER FAIRFAX I ASSEMBLY PLANT BUILDING
- MW-110 ● EXISTING MONITORING WELL LOCATION AND IDENTIFIER
- MW-116B ▲ NESTED MONITORING WELL LOCATION AND IDENTIFIER (INSTALLED DECEMBER 2005)
- MW-124B ■ NESTED MONITORING WELL LOCATION AND IDENTIFIER (INSTALLED NOVEMBER 2006)

721.35 — GROUNDWATER CONTOUR
 ➡ GROUNDWATER FLOW DIRECTION

figure 4.2
 GROUNDWATER CONTOURS-INTERMEDIATE WELLS
 SEPTEMBER 2007
 FORMER FAIRFAX I PLANT SITE
 Kansas City, Kansas



TABLE 1.1

MONITORING WELL CONSTRUCTION DETAILS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Monitoring Well	Reference Elevation		Completion Date	Well Material ²	Depth		Screened Interval	
	Top of Casing (ft AMSL) ¹	Ground Surface (ft AMSL)			Top (ft bgs) ³	Bottom (ft bgs)	Top (ft AMSL)	Bottom (ft AMSL)
MW-1	746.43	744.2	9/2/87	PVC	-- ⁴	30.0	--	714.2
MW-1A	745.93	743.7	3/27/85	PVC	15.0	35.0	728.7	708.7
MW-1B	745.40	743.6	3/27/85	PVC	65.0	85.0	678.6	658.6
MW-1C	746.13	743.6	4/1/85	PVC	87.0	107.0	656.6	636.6
MW-102A	748.82	746.1	1/9/88	PVC	--	29.3	--	716.9
MW-102B	749.15	746.1	1/13/88	PVC	--	61.2	--	684.9
MW-102C	749.20	746.2	1/12/88	PVC	--	94.0	--	652.2
MW-103A	747.71	745.1	1/88	SS	--	29.6	--	715.5
MW-103B	746.30	745.1	1/88	SS	--	61.4	--	683.8
MW-103C	745.90	745.1	1/88	SS	--	102.1	--	643.0
MW-104	746.51	744.8	1/10/88	PVC	--	28.4	--	716.4
MW-105	746.70	744.1	1/8/88	PVC	--	30.2	--	713.9
MW-108	747.17	744.0	1/6/88	PVC	--	28.5	--	715.5
MW-109	746.11	743.5	6/89	--	--	30.0	--	713.5
MW-110	745.79	743.8	4/90	--	--	61.2	--	682.6
MW-110A	743.89	743.5	--	--	--	36.1	--	707.4
MW-111	745.96	744.1	4/90	--	--	59.8	--	684.3
MW-115A	748.07	745.7	5/12/99	PVC	11.7	26.7	734.0	719.0
MW-116A	743.54	743.9	12/16/05	PVC	24.5	34.5	719.4	709.4
MW-116B	743.37	743.7	12/20/05	PVC	45.5	58.5	698.2	685.2
MW-117A	743.72	744.0	12/13/05	PVC	20.0	30.0	724.0	714.0
MW-117B	743.75	744.0	12/15/05	PVC	49.0	59.0	695.0	685.0
MW-118A	747.02	744.0	12/12/05	PVC	20.0	30.0	724.0	714.0

TABLE 1.1

MONITORING WELL CONSTRUCTION DETAILS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Monitoring Well	Reference Elevation		Completion Date	Well Material ²	Depth		Screened Interval	
	Top of Casing (ft AMSL) ¹	Ground Surface (ft AMSL)			Top (ft bgs) ³	Bottom (ft bgs)	Top (ft AMSL)	Bottom (ft AMSL)
MW-118B	746.86	744.0	12/13/05	PVC	48.5	58.5	695.5	685.5
MW-119A	746.69	743.7	12/20/05	PVC	23.5	33.5	720.2	710.2
MW-119B	746.65	743.6	12/21/05	PVC	49.0	59.0	694.6	684.6
MW-121A	745.53	742.8	12/22/05	PVC	25.0	35.0	717.8	707.8
MW-121B	745.80	742.9	12/22/05	PVC	48.5	58.5	694.4	684.4
MW-124A	747.22	744.8	11/10/06	PVC	25.0	35.0	719.8	709.8
MW-124B	747.15	744.6	11/10/06	PVC	50.0	60.0	694.6	684.6
MW-125	745.34	742.3	10/31/07	PVC	25.0	35.0	717.3	707.3
MW-160A	746.56	744.3	3/87	--	--	35.4	---	708.9

¹ ft AMSL - feet above mean sea level² PVC - polyvinyl chloride; SS - stainless steel³ ft bgs - feet below ground surface⁴ -- information not available

Screened interval data is not available for MW-1, MW-102A/B/C, MW-103A/B/C, MW-104, MW-105, MW-108, MW-10, MW-110, MW-110A, MW-111, and MW-160A. The approximate bottom of screen elevation was calculated using the difference between the surveyed top of casing elevation and the measured well total depth from 12/3/07; the approximate bottom of screen depth below ground surface was calculated using the difference between the surveyed top of casing and ground surface elevations and the measured total depth from 12/3/07.

TABLE 3.1

SUMMARY OF MONITORING WELL DEVELOPMENT PARAMETERS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Location	Date	Well Volume (Gallons)	Volume Removed (Gallons)	pH (Standard Units)	Conductivity (μS) ¹	Temperature (°C) ²	Turbidity (NTU) ³	Other
MW-125	11/1/07	232	15	7.06	932	14.6	26	Clear
			20	7.01	951	14.6	12	Clear
			22.5	6.99	959	14.6	10	Clear
			25	6.98	963	14.7	8.8	Clear

¹ $\mu\text{S}/\text{cm}$ - microsiemens per centimeter² °C - degrees Celcius³ NTU - nephelometric turbidity units

TABLE 3.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Location	Date	Time Purged (minutes)	Depth to Water (ft BGS) ¹	pH (S.U.) ²	Temperature (°C) ³	Dissolved			ORP (mV) ⁶	Turbidity (NTU) ⁷	Other
						Conductivity (µS/cm) ⁴	Oxygen (mg/L) ⁵				
MW-1	9/11/07	5	24.23	6.30	18.1	1,065	0.94		173.1	3.10	clear, no odor
		10	24.18	6.31	18.5	1,064	0.89		174.9	1.23	clear, no odor
		15	24.18	6.32	18.2	1,062	0.86		175.5	0.80	clear, no odor
MW-1A	9/13/07	5	24.00	6.77	16.1	811	0.20		-119.9	41.5	slightly cloudy, no odor
		10	24.01	6.75	15.9	803	0.10		-127.4	15.6	clear, no odor
		15	24.01	6.80	16.0	803	0.12		-127.2	4.26	clear, no odor
MW-1B	9/13/07	5	23.69	6.92	15.9	815	1.40		-126.6	92.2	slightly cloudy, no odor
		10	23.67	6.96	15.8	811	0.35		-141.1	53.9	slightly cloudy, no odor
		15	23.67	6.99	15.7	811	0.29		-145.3	21.5	clear, no odor
		20	23.67	6.97	15.7	812	0.27		-144.9	4.98	clear, no odor
MW-1C	9/13/07	5	24.19	6.97	15.5	780	1.06		-121.0	3.82	clear, no odor
		10	24.19	6.96	15.4	790	0.21		-134.9	0.74	clear, no odor
		15	24.19	6.95	15.4	790	0.19		-135.3	0.69	clear, no odor
		20	24.19	6.96	15.4	790	0.18		-137.7	0.65	clear, no odor
MW-102A	9/12/07	5	27.25	6.47	15.3	950	1.60		90.5	13.4	clear, no odor
		10	26.92	6.53	15.5	940	1.32		74.1	8.15	clear, no odor
		15	26.90	6.54	15.4	941	1.29		70.7	4.72	clear, no odor
		20	26.90	6.53	15.4	939	1.23		71.0	3.91	clear, no odor
MW-102B	9/13/07	5	27.29	7.22	15.4	800	0.66		-132.0	4.41	clear, no odor
		10	27.29	7.23	15.4	800	0.22		-136.3	4.02	clear, no odor
		15	27.29	7.25	15.4	800	0.21		-132.7	3.86	clear, no odor
		20	27.29	7.24	15.4	799	0.16		-139.7	1.22	clear, no odor
MW-102C	9/13/07	5	27.41	7.07	15.4	800	0.98		-131.2	3.90	clear, no odor
		10	27.41	7.05	15.4	801	1.09		-131.4	2.91	clear, no odor
		15	27.41	7.07	15.4	803	0.67		-132.4	1.04	clear, no odor
		20	27.41	7.04	15.4	804	0.72		-131.8	0.76	clear, no odor
		25	27.41	7.04	15.4	804	0.75		-131.7	0.70	clear, no odor

TABLE 3.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Location	Date	Time Purged (minutes)	Depth to Water (ft BGS) ¹	pH (S.U.) ²	Temperature (°C) ³	Dissolved			Turbidity (NTU) ⁷	Other
						Conductivity (µS/cm) ⁴	Oxygen (mg/L) ⁵	ORP (mV) ⁶		
MW-103A	9/12/07	5	26.05	6.36	16.9	1,289	0.63	-85.2	11.7	clear, odor, yellow tint
		10	26.01	6.35	17.1	1,294	1.06	-82.5	14.8	clear, odor, yellow tint
		15	26.05	6.31	16.8	1,290	1.14	-81.1	16.6	clear, odor, yellow tint
		20	26.05	6.32	16.9	1,289	1.12	-80.2	16.5	clear, odor, yellow tint
MW-103B	9/12/07	5	24.23	7.14	16.0	858	0.22	-145.2	9.9	gray, no odor
		10	24.23	6.97	16.0	859	0.08	-146.3	15.6	cloudy, no odor
		15	24.23	9.65	15.9	854	0.04	-146.5	10.25	clear, no odor
		20	24.23	6.94	15.9	854	0.04	-146.8	3.87	clear, no odor
MW-103C	9/12/07	5	23.75	7.03	15.6	760	0.17	-132.1	2.03	clear, no odor
		10	23.75	6.83	15.6	810	0.10	-133.9	0.18	clear, no odor
		15	23.75	6.86	15.5	812	0.10	-134.7	0.14	clear, no odor
		20	23.75	6.89	15.6	813	0.08	-135.6	0.19	clear, no odor
MW-104	9/12/07	5	24.61	6.64	15.5	1,496	2.80	-122.5	23.5	cloudy, no odor
		10	24.58	6.61	15.3	1,399	0.73	-142.8	6.36	clear, no odor
		15	24.59	6.60	15.3	1,391	0.64	-141.4	3.60	clear, no odor
		20	24.59	6.58	15.3	1,390	0.69	-139.1	3.01	clear, no odor
MW-105	9/12/07	5	24.67	6.55	14.7	1,053	0.52	5.7	15.56	clear, no odor
		10	24.67	6.51	14.7	1,052	0.07	-6.0	3.54	clear, no odor
		15	24.69	6.49	14.6	1,050	0.05	-6.1	1.69	clear, no odor
		20	24.69	6.47	14.7	1,051	0.05	-6.9	0.92	clear, no odor
MW-108	9/11/07	5	25.01	6.28	14.5	1,034	0.57	102.3	0.30	clear, no odor
		10	25.01	6.22	14.5	1,034	0.30	132.0	0.28	clear, no odor
		15	25.01	6.19	14.5	1,033	0.28	140.8	0.28	clear, no odor
		20	25.02	6.18	14.5	1,033	0.26	140.1	0.19	clear, no odor
MW-109	9/13/07	5	24.39	6.36	15.1	1,159	0.77	47.6	4.83	clear, no odor
		10	24.39	6.33	15.1	1,157	0.76	49.1	3.66	clear, no odor
		15	24.39	6.33	15.0	1,156	0.69	46.7	3.57	clear, no odor

TABLE 3.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Location	Date	Time Purged (minutes)	Depth to Water (ft BGS) ¹	pH (S.U.) ²	Temperature (°C) ³	Conductivity (µS/cm) ⁴	Dissolved		Turbidity (NTU) ⁷	Other
							Oxygen (mg/L) ⁵	ORP (mV) ⁶		
MW-110	9/13/07	5	23.69	6.97	15.1	787	0.84	-130.4	29.0	slightly cloudy, no odor
		10	23.70	6.95	15.0	787	0.27	-140.7	11.37	clear, no odor
		15	23.70	6.95	15.0	786	0.20	-142.8	3.99	clear, no odor
		20	23.70	6.93	15.0	785	0.18	-147.6	2.70	clear, no odor
MW-110A	9/14/07	5	23.36	6.56	16.4	1,114	3.49	65.0	9.83	clear, no odor
		10	23.36	6.57	16.4	1,121	1.44	68.9	6.68	clear, no odor
		15	23.37	6.57	16.4	1,121	1.39	69.5	4.33	clear, no odor
		20	23.37	6.57	16.3	1,124	1.47	67.9	3.69	clear, no odor
MW-111	9/13/07	5	24.04	6.73	16.0	885	0.26	-134.3	5.04	clear, no odor
		10	24.06	6.72	16.0	887	0.33	-130.2	4.40	clear, no odor
		15	24.06	6.69	16.0	891	0.33	-129.4	2.69	clear, no odor
MW-115A	9/12/07	5	26.42	6.45	15.5	1,312	0.56	68.2	35.0	clear, no odor
		10	26.19	6.46	15.4	1,304	0.55	49.4	3.06	clear, no odor
		15	26.17	6.48	15.4	1,305	0.61	47.5	2.78	clear, no odor
		20	26.17	6.48	15.4	1,298	0.64	46.9	2.62	clear, no odor
MW-116A	9/11/07	5	21.24	6.47	17.8	1,250	0.17	63.5	23.0	clear, no odor
		10	21.23	6.48	17.8	1,251	0.11	66.9	10.2	clear, no odor
		15	21.24	6.49	17.8	1,247	0.11	70.1	4.69	clear, no odor
MW-116B	9/11/07	5	21.09	6.76	17.4	992	0.51	-117.3	145.5	cloudy
		10	21.10	6.75	17.2	989	0.41	-125.1	129.8	cloudy
		15	21.09	6.75	17.2	986	0.12	-123.4	128.0	cloudy
		20	21.09	6.75	17.2	985	0.12	-121.6	126.1	cloudy
		25	21.09	6.74	17.1	983	0.09	-120.1	125.9	cloudy
MW-117A	9/11/07	5	21.77	6.33	18.6	1,056	0.74	130.3	11.25	clear, no odor
		10	21.77	6.33	18.1	1,058	0.69	134.5	1.94	clear, no odor
		15	21.77	6.32	18.0	1,056	0.67	138.5	0.80	clear, no odor

TABLE 3.2

**SUMMARY OF MONITORING WELL PURGING PARAMETERS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS**

Location	Date	Time Purged (minutes)	Depth to Water (ft BGS) ¹	pH (S.U.) ²	Temperature (°C) ³	Dissolved			Turbidity (NTU) ⁷	Other
						Conductivity (µS/cm) ⁴	Oxygen (mg/L) ⁵	ORP (mV) ⁶		
MW-117B	9/11/07	5	21.78	6.59	18.0	860	0.14	-125.1	156.2	cloudy, no odor
		10	21.76	6.58	17.9	860	0.38	-122.2	67.2	cloudy, no odor
		15	21.77	6.62	17.8	860	0.06	-122.7	28.5	slightly cloudy, no odor
		20	21.76	6.62	17.8	867	0.10	-123.5	9.40	clear, no odor
		25	21.76	6.65	17.8	868	0.07	-126.8	4.10	clear, no odor
MW-118A	9/11/07	5	25.94	6.07	15.5	1,024	1.50	148.4	12.70	clear, no odor
		10	25.94	6.09	15.5	1,021	1.39	156.1	6.26	clear, no odor
		15	25.94	6.15	15.5	1,019	1.39	153.1	2.45	clear, no odor
MW-118B	9/11/07	5	25.79	6.66	15.8	797	0.31	-141.8	794	brown, no odor
		10	25.75	6.56	16.0	797	0.10	-140.7	118.1	cloudy, no odor
		15	25.75	6.60	16.0	791	0.08	-137.5	13.7	clear, no odor
		20	25.75	6.61	16.0	799	0.06	-140.7	4.75	clear, no odor
MW-119A	9/13/07	5	25.21	6.51	16.9	1,117	0.98	-22.0	102.6	very cloudy, no odor, yellow tint
		10	25.21	6.53	16.6	1,110	0.58	-10.6	19.7	clear, no odor
		15	25.21	6.52	16.6	1,104	0.12	-13.0	1.89	clear, no odor
		20	25.21	6.44	16.5	1,099	0.09	-19.6	0.86	clear, no odor
		25	25.21	6.44	16.5	1,098	0.09	-19.4	0.72	clear, no odor
MW-119B	9/13/07	5	25.25	7.05	16.3	878	0.21	-141.6	118.6	cloudy, no odor
		10	25.25	7.07	16.3	878	0.14	-147.4	15.9	clear, no odor
		15	25.25	7.08	16.3	878	0.13	-149.3	5.01	clear, no odor
MW-121A	9/14/07	5	24.23	6.45	15.2	1,078	0.22	-7.5	25.9	clear, no odor
		10	24.23	6.45	15.3	1,075	0.14	-11.9	8.59	clear, no odor
		15	24.23	6.45	15.2	1,071	0.14	-11.9	3.69	clear, no odor
MW-121B	9/14/07	5	24.42	6.88	15.6	835	0.25	-132.1	78.2	cloudy, no odor
		10	24.43	6.85	15.6	836	0.19	-135.3	18.4	clear, no odor
		15	24.43	6.89	15.6	838	0.18	-135.4	4.97	clear, no odor

TABLE 3.2

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Location	Date	Time Purged (minutes)	Depth to Water (ft BGS) ¹	pH (S.U.) ²	Temperature (°C) ³	Dissolved			Turbidity (NTU) ⁷	Other
						Conductivity (µS/cm) ⁴	Oxygen (mg/L) ⁵	ORP (mV) ⁶		
MW-124A	9/12/07	5	25.50	6.42	15.7	1,218	0.18	-66.3	17.4	slightly cloudy, no odor
		10	25.50	6.42	15.7	1,219	0.12	-68.6	10.6	clear, no odor
		15	25.50	6.43	15.9	1,228	0.44	-70.1	6.44	clear, no odor
		20	25.50	6.43	15.9	1,228	0.48	-69.8	4.20	clear, no odor
		25	25.50	6.44	15.9	1,230	0.41	-68.8	2.52	clear, no odor
MW-124B	9/12/07	5	25.47	6.89	16.3	1,015	0.94	-138.6	122.4	brown, no odor
		10	25.46	6.86	16.2	1,019	0.63	-136.9	59.5	cloudy, no odor
		15	25.46	6.85	16.3	1,020	0.67	-134.2	18.0	clear, no odor
		20	25.46	6.86	16.3	1,024	0.69	-131.9	4.73	clear, no odor
MW-160A	9/14/07	5	24.69	6.49	16.2	999	0.24	-33.9	17.0	clear, no odor
		10	24.69	6.42	16.2	1,000	0.23	-40.7	13.1	clear, no odor
		15	24.69	6.45	16.2	1,001	0.16	-40.9	4.20	clear, no odor
TMW-130	9/13/07	5	23.34	6.44	16.0	1,056	0.81	-103.2	93.6	brown, strong odor, sheen
		10	23.34	6.41	15.8	1,029	0.83	-103.8	107.1	brown, strong odor, sheen
		15	23.34	6.44	15.8	1,021	0.74	-107.6	103.8	brown, strong odor, sheen
		20	23.34	6.42	15.8	1,017	0.74	-106.9	99.6	very cloudy, strong odor, sheen

¹ ft BGS - feet below ground surface² S.U. - standard units³ °C - degrees Celsius⁴ µS/cm - microsiemens per centimeter⁵ mg/L - milligrams per liter⁶ mV - millivolts⁷ NTU - nephelometric turbidity units

TABLE 4.1
SUMMARY OF GROUNDWATER ELEVATIONS
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Monitoring Well	Top of Casing Elevation (ft AMSL) ¹	September 2007	
		Depth to Water (ft BTOC) ²	Groundwater Elevation (ft AMSL)
MW-1	746.43	24.13	722.30
MW-1A	745.93	23.85	722.08
MW-1B	745.40	23.30	722.10
MW-1C	746.13	24.00	722.13
MW-102A	748.82	26.45	722.37
MW-102B	749.15	26.60	722.55
MW-102C	749.20	26.80	722.40
MW-103A	747.71	25.21	722.50
MW-103B	746.30	23.78	722.52
MW-103C	745.90	23.38	722.52
MW-104	746.51	24.03	722.48
MW-105	746.70	24.41	722.29
MW-108	747.17	24.91	722.26
MW-109	746.11	23.85	722.26
MW-110	745.79	23.43	722.36
MW-110A	743.89	22.25	721.64
MW-111	745.96	23.86	722.10
MW-115A	748.07	25.56	722.51
MW-116A	743.54	21.18	722.36
MW-116B	743.37	21.00	722.37
MW-117A	743.72	21.66	722.06
MW-117B	743.75	21.73	722.02
MW-118A	747.02	25.86	721.16
MW-118B	746.86	25.70	721.16
MW-119A	746.69	24.87	721.82
MW-119B	746.65	24.84	721.81
MW-121A	745.53	24.00	721.53
MW-121B	745.80	24.25	721.55
MW-124A	747.22	25.13	722.09
MW-124B	747.15	25.06	722.09
MW-125 ³	745.34	22.54	722.80
MW-160A	746.56	24.52	722.04

¹ ft AMSL - feet above mean sea level

² ft BTOC - feet below top of casing

³ MW-125 - depth to water measured November 1, 2007

TABLE 4.2

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

Sample Location:		MW-1	MW-1A	MW-1B	MW-1C	MW-102A	MW-102B
Sample ID:		GW-091107-NT-006	GW-091307-NT-029	GW-091307-NT-028	GW-091307-NT-027	GW-091207-NT-020	GW-091307-NT-021
Sample Date:		9/11/2007	9/13/2007	9/13/2007	9/13/2007	9/12/2007	9/13/2007
Sample Type:							
Parameters	Units						
Non-Residential GW Pathway Scenario ¹							
Volatile Organic Compounds							
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L ²	0.01 U ³	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.00034 J ⁴	0.001 U	0.00036 J	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0004 J	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.00071 J	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0009 J	0.00018 J
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.00071 J	0.001 U
Petroleum Products							
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/L	0.042 J	0.1 U	0.1 U	0.1 U	0.037 J	0.1 U

TABLE 4.2

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

Sample Location: Sample ID: Sample Date: Sample Type:	Parameters	Units	Non-Residential GW Pathway Scenario ¹				Duplicate			
			MW-102C GW-091307-NT-022 9/13/2007	MW-103A GW-091207-NT-017 9/12/2007	MW-103A GW-091207-NT-018 9/12/2007	MW-103B GW-091207-NT-015 9/12/2007	MW-103C GW-091207-NT-016 9/12/2007	MW-104 GW-091207-NT-014 9/12/2007		
Volatiles Organic Compounds 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) Acetone Benzene Bromodichloromethane Carbon disulfide Chlorobenzene Chloroform (Trichloromethane) Chloromethane (Methyl Chloride) cis-1,2-Dichloroethene Ethylbenzene Tetrachloroethene Toluene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride Xylene (total)		mg/L ²	0.01 U	30 J ³	33 J	0.01 U	0.01 U	0.01 U		
		mg/L	0.01 U	50 U	50 U	0.01 U	0.01 U	0.01 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.00091 J	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.0005 U	2.5 U	2.5 U	0.0034	0.0005 U	0.00025 J		
		mg/L	0.001 U	7.4	7.9	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	120	130	0.001 U	0.001 U	0.001 U		
		mg/L	0.0005 U	2.5 U	2.5 U	0.0005 U	0.0005 U	0.0005 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	5 U	5 U	0.001 U	0.001 U	0.001 U		
		mg/L	0.001 U	63	67	0.001 U	0.001 U	0.001 U		
Petroleum Products Total Petroleum Hydrocarbons - purgeable (GRO)		mg/L	0.1 U	390	390	0.031 J	0.033 J	0.037 J		
		mg/L								

TABLE 4.2

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

Sample Location:	MW-105	MW-108	MW-109	MW-110	MW-110A	MW-110A
Sample ID:	GW-091207-NT-013	GW-091107-NT-009	GW-091307-NT-025	GW-091307-NT-023	GW-091407-NT-033	GW-091407-NT-034
Sample Date:	9/12/2007	9/11/2007	9/13/2007	9/13/2007	9/14/2007	9/14/2007
Sample Type:						Duplicate
Parameters	Non-Residential GW Pathway Scenario ¹					
	Units					
Volatile Organic Compounds						
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L ²	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.00037 J	0.00041 J
cis-1,2-Dichloroethene	mg/L	0.0031	0.0005 U	0.00029 J	0.0026	0.0027
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.00063 J	0.001 U	0.001 U	0.007	0.0073
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0019	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	mg/L	0.0013	0.001 U	0.001 U	0.0015	0.0014
Vinyl chloride	mg/L	0.001 U	0.0012	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Petroleum Products						
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/L	0.031 J	0.03 J	0.1 U	0.1 UJ	0.17 J

TABLE 4.2

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

Sample Location:		MW-111	MW-115A	MW-116A	MW-116B	MW-117A	MW-117A
Sample ID:		GW-091307-NT-024	GW-091207-NT-019	GW-091107-NT-002	GW-091107-NT-001	GW-091107-NT-003	GW-091107-NT-004
Sample Date:		9/13/2007	9/12/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
Sample Type:							
Parameters							
		Non-Residential GW Pathway Scenario¹					
		Units					
Volatile Organic Compounds							
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L ²	0.025 U	0.00044 J	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.025 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.0025 U	0.001 U	0.0003 J	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.07	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Ethylbenzene	mg/L	0.0025 U	0.0019	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.0025 U	0.016	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0047	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	mg/L	0.0025 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.003	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.0025 U	0.016	0.001 U	0.001 U	0.001 U	0.001 U
Petroleum Products							
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/L	0.1 U	0.13	0.032 J	0.1 U	0.028 J	0.045 J

TABLE 4.2

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

Sample Location: Sample ID: Sample Date: Sample Type:		Non-Residential GW Pathway Scenario ¹						
		Parameters		Units				
Volatile Organic Compounds								
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)		0.23	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone		0.93	0.01 U	0.01 U	0.023 U	0.01 U	0.01 U	0.01 U
Benzene		0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane		0.08	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide		0.03	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene		0.1	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)		0.08	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)		0.04	0.001 U	0.00046 J	0.0016	0.00032 J	0.00038 J	0.001 U
cis-1,2-Dichloroethene		0.07	0.0013	0.0045	0.0029	0.0005 U	0.0005 U	0.0005 U
Ethylbenzene		0.7	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene		0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene		1	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene		0.1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene		0.005	0.001 U	0.00063 J	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride		0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)		10	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Petroleum Products								
Total Petroleum Hydrocarbons - purgeable (GRO)		0.500	0.12	0.032 J	0.032 J	0.1 U	0.1 U	0.1 U

TABLE 4.2

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

Sample Location:		MW-121B	MW-124A	MW-124A	MW-124B	MW-160A	TMW-130	MW-125
Sample ID:		GW-091407-NT-036	GW-091207-NT-010	GW-091207-NT-011	GW-091207-NT-012	GW-091407-NT-037	GW-091307-NT-026	WG-110107-JH-001
Sample Date:		9/14/2007	9/12/2007	9/12/2007	9/12/2007	9/14/2007	9/13/2007	11/1/07
Sample Type:								
Parameters		<i>Non-Residential GW Pathway Scenario¹</i>						
		Units						
Volatile Organic Compounds								
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)		mg/L ²	0.01 U	0.01 U	0.01 U	0.01 U	0.14 U	0.01 U
Acetone		mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.14 U	0.01 U
Benzene		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0049 J	0.001 U
Bromodichloromethane		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.00017 J
Carbon disulfide		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
Chlorobenzene		mg/L	0.001 U	0.001 U	0.001 U	0.0003 J	0.014 U	0.001 U
Chloroform (Trichloromethane)		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.00033 J
Chloromethane (Methyl Chloride)		mg/L	0.00043 J	0.001 U	0.0004 J	0.00039 J	0.014 U	0.001 U
cis-1,2-Dichloroethene		mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0071 U	0.0005 U
Ethylbenzene		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
Tetrachloroethene		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
Toluene		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
trans-1,2-Dichloroethene		mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0071 U	0.0005 U
Trichloroethene		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
Vinyl chloride		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
Xylene (total)		mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.001 U
Petroleum Products								
Total Petroleum Hydrocarbons - purgeable (GRO)		mg/L	0.1 U	0.037 J	0.033 J	0.042 J	0.1 U	0.1 U

¹ Risk-Based Standards for Kansas RSK Manual - 4th Version, Appendix A, June 2007² mg/L - milligrams per liter³ U - not present at or above the associated value⁴ J - estimated concentration⁵ Box denotes exceedence of KDHE criteria

ATTACHMENT A

STRATIGRAPHIC AND INSTRUMENTATION LOG

ATTACHMENT B

DATA QUALITY ASSESSMENT AND VALIDATION MEMORANDUM



**CONESTOGA-ROVERS
& ASSOCIATES**

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO: Phil Harvey (Chicago)

FROM: Susan C. Scrocchi/jbh/6 *scs/jbh*

C.C.: Patricia Klick (Chicago), Dennis Hoyt

RE: **Data Quality Assessment and Validation
Quarterly Groundwater Sampling Event
GM Fairfax
September - November 2007**

REF. NO.: 017307-095007

DATE: November 29, 2007

Via E-Mail and U.S. Mail

PREVIOUSLY TRANSMITTED
BY E-MAIL

The following details a quality assessment and validation of the analytical data resulting from the September-November 2007, collection of the quarterly 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

The laboratory reported detected concentrations of volatile organic compounds (VOC) and Total Petroleum Hydrocarbon-Gasoline Range Organic (TPH-GRO), 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. Methylene chloride was present at 1.3 parts per billion (ppb) on September 18, 2007 and acetone was present at 1.2 ppb on November 10, 2007. All associated sample results with similar concentrations were qualified as non-detect (see Table 3) and all non-detect results would not have been impacted.

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, demonstrating acceptable analytical efficiency for these analyses.

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 sample GW-091107-NT-006 yielding high TPH-GRO recoveries. The sample results were qualified as estimated to reflect the implied high 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 are 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.

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 equipment blank sample, four field duplicate sample sets and three trip blanks.

To assess the cleanliness of sample containers and the presence of field contamination, the equipment blank sample identified in Table 1 was collected and analyzed.

Chloromethane was present at low concentrations in the rinse blank collected on September 14, 2007. All associated sample results were with similar concentrations were qualified as non-detect (see Table 5).

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 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 field duplicate results were acceptable indicating good field and analytical precision with the exception of some variability between TPH-GRO results. The associated sample and its duplicate were qualified as estimated (see Table 6).

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.

All trip blank results were non-detect for the compounds of interest with the exception of low concentrations of methylene chloride and acetone. All associated sample results with similar concentrations were qualified as non-detect (see Table 7).

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
QUARTERLY GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX SITE
KANSAS CITY, KANSAS
SEPTEMBER-NOVEMBER 2007

Sample I.D.	Location I.D.	Collection Date (mm/dd/yy)	Collection Time (hr:min)	<u>Analysis/Parameters</u>		Comments
				VOCs	TPH-GRO	
GW-091107-NT-001	MW-116B	09/11/07	10:05	X	X	
GW-091107-NT-002	MW-116A	09/11/07	10:45	X	X	
GW-091107-NT-003	MW-117A	09/11/07	11:30	X	X	
GW-091107-NT-004	MW-117A	09/11/07	11:40	X	X	Field duplicate of GW-091107-NT-003
GW-091107-NT-005	MW-117B	09/11/07	12:15	X	X	
GW-091107-NT-006	MW-1	09/11/07	14:15	X	X	
GW-091107-NT-007	MW-118B	09/11/07	15:10	X	X	
GW-091107-NT-008	MW-118A	09/11/07	15:40	X	X	
GW-091107-NT-009	MW-108	09/11/07	16:25	X	X	
GW-091207-NT-010	MW-124A	09/12/07	9:05	X	X	
GW-091207-NT-011	MW-124A	09/12/07	9:15	X	X	Field duplicate of GW-091207-NT-010
GW-091207-NT-012	MW-124B	09/12/07	9:45	X	X	
GW-091207-NT-013	MW-105	09/12/07	10:30	X	X	
GW-091207-NT-014	MW-104	09/12/07	11:30	X	X	
GW-091207-NT-015	MW-103B	09/12/07	13:30	X	X	
GW-091207-NT-016	MW-103C	09/12/07	14:25	X	X	
GW-091207-NT-017	MW-103A	09/12/07	15:05	X	X	
GW-091207-NT-018	MW-103A	09/12/07	15:20	X	X	Field duplicate of GW-091207-NT-017
GW-091207-NT-019	MW-115A	09/12/07	15:50	X	X	
GW-091207-NT-020	MW-102A	09/12/07	16:30	X	X	
Trip Blank #1	Trip Blank	09/12/07	-	X		
Trip Blank #2	Trip Blank	09/12/07	-	X		
GW-091307-NT-021	MW-102B	09/13/07	8:50	X	X	
GW-091307-NT-022	MW-102C	09/13/07	9:35	X	X	
GW-091307-NT-023	MW-110	09/13/07	11:20	X	X	
GW-091307-NT-024	MW-111	09/13/07	11:50	X	X	
GW-091307-NT-025	MW-109	09/13/07	12:30	X	X	
GW-091307-NT-026	TMW-130	09/13/07	14:55	X	X	
GW-091307-NT-027	MW-1C	09/13/07	15:35	X	X	
GW-091307-NT-028	MW-1B	09/13/07	16:05	X	X	
GW-091307-NT-029	MW-1A	09/13/07	16:30	X	X	
GW-091307-NT-030	MW-119A	09/13/07	17:15	X	X	
GW-091307-NT-031	MW-119B	09/13/07	17:40	X	X	
GW-091407-NT-032	Equipment Blank	09/14/07	8:55	X	X	
GW-091407-NT-033	MW-110A	09/14/07	9:50	X	X	
GW-091407-NT-034	MW-110A	09/14/07	10:00	X	X	Field duplicate of GW-091407-NT-033
Trip Blank 3	Trip Blank	09/14/07	-	X		
GW-091407-NT-035	MW-121A	09/14/07	11:00	X	X	
GW-091407-NT-036	MW-121B	09/14/07	11:25	X	X	
GW-091407-NT-037	MW-160A	09/14/07	11:55	X	X	
WG-110107-JH-001	MW-125	11/01/07	11:40	X	X	
Trip Blank	Trip Blank	11/01/07	-	X		

Notes:

- Not applicable.
GRO Gasoline Range Organics.
TPH Total Petroleum Hydrocarbon.
VOCs Volatile Organic Compounds.

TABLE 2
SUMMARY OF ANALYTICAL METHODS
QUARTERLY GROUNDWATER SAMPLING EVENT
GENERAL MOTORS FAIRFAX SITE
KANSAS CITY, KANSAS
SEPTEMBER-NOVEMBER 2007

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

Notes:

¹ "Test Methods for Solid Waste/Physical Chemical Methods",
SW-846, 3rd Edition, September 1986 (with all subsequent
revisions).

GRO Gasoline Range Organic.
TCL Target Compound List.
TPH Total Petroleum Hydrocarbon.
VOCs Volatile Organic Compounds.

TABLE 3
 QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
 QUARTERLY GROUNDWATER SAMPLING EVENT
 GENERAL MOTORS FAIRFAX SITE
 KANSAS CITY, KANSAS
 SEPTEMBER-NOVEMBER 2007

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Sample Result</i>	<i>Qualified Result</i>
VOCs	11/10/07	Acetone	1.2	WG-110107-JH-001	1.3 J	10 U

Notes:

J Estimated.
 U Not detected.
 VOCs Volatile Organic Compounds.

TABLE 4
 QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
 QUARTERLY GROUNDWATER SAMPLING EVENT
 GENERAL MOTORS FAIRFAX SITE
 KANSAS CITY, KANSAS
 SEPTEMBER-NOVEMBER 2007

Parameter	Associated Sample ID	Analyte	MS Recovery (percent)	MSD Recovery (percent)	RPD	Control Limits		Sample Result	Units	Qualifier
						Recovery (percent)	RPD (percent)			
Organics	GW-091107-NT-006	TPH - purgeable (GRO)	175	146	18	63-143	20	42 J	ug/L	J

Notes:
 GRO Gasoline Range Organics.
 J Estimated.
 MS Matrix Spike.
 MSD Matrix Spike Duplicate.
 RPD Relative Percent Difference.
 TPH Total Petroleum Hydrocarbon.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE EQUIPMENT BLANKS
 QUARTERLY GROUNDWATER SAMPLING EVENT
 GENERAL MOTORS FAIRFAX SITE
 KANSAS CITY, KANSAS
 SEPTEMBER-NOVEMBER 2007

Parameter	Rinse Blank Date	Analyte	Blank Result	Sample ID	Sample Result	Qualified Sample Result	Units
VOCs	09/14/07	Chloromethane (Methyl Chloride)	0.30 J	GW-091107-NT-009	0.32 J	1.0 U	ug/L
				GW-091207-NT-012	0.40 J	1.0 U	ug/L
				GW-091207-NT-020	0.36 J	1.0 U	ug/L
				GW-091307-NT-028	0.34 J	1.0 U	ug/L
				GW-091307-NT-030	0.32 J	1.0 U	ug/L
				GW-091307-NT-031	0.38 J	1.0 U	ug/L
				GW-091407-NT-033	0.37 J	1.0 U	ug/L
				GW-091407-NT-034	0.41 J	1.0 U	ug/L
				GW-091407-NT-036	0.43 J	1.0 U	ug/L
				GW-091407-NT-037	0.39 J	1.0 U	ug/L
				GW-091107-NT-002	0.30 J	1.0 U	ug/L
				GW-091107-NT-008	0.46 J	1.0 U	ug/L
				GW-091207-NT-011	0.53 J	1.0 U	ug/L

Notes:

J Estimated.

U Not detected.

VOCs Volatile Organic Compounds.

TABLE 6
 QUALIFIED SAMPLE RESULTS DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
 QUARTERLY GROUNDWATER SAMPLING EVENT
 GENERAL MOTORS FAIRFAX SITE
 KANSAS CITY, KANSAS
 SEPTEMBER-NOVEMBER 2007

Parameter	Analyte	Original Sample ID	Original Result	Duplicate Sample ID	Duplicate Result	RPD	Units	Qualifier ⁽¹⁾
Organics	TPH - purgeable (GRO)	GW-091407-NT-033	100 U	GW-091407-NT-034	170	NA	ug/L	J

Notes:

(1) Qualifier is associated with both original and duplicate result.

GRO Gasoline Range Organic.

J Estimated.

NA Not Available.

RPD Relative Percent Difference.

TPH Total Petroleum Hydrocarbon.

U Not detected.

TABLE 7

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP BLANK
 QUARTERLY GROUNDWATER SAMPLING EVENT
 GENERAL MOTORS FAIRFAX SITE
 KANSAS CITY, KANSAS
 SEPTEMBER-NOVEMBER 2007

Parameter	Blank Date	Analyte	Blank Result	Associated Sample ID	Sample Result	Sample Qualifier	Units
VOCs	09/14/07	Acetone	4.4	GW-091307-NT-022	2.6 J	10 U	ug/L
				GW-091307-NT-027	1.5 J	10 U	ug/L
				GW-091307-NT-028	1.5 J	10 U	ug/L
				GW-091307-NT-029	2.3 J	10 U	ug/L
				GW-091307-NT-030	23	23 U	ug/L
				GW-091307-NT-031	1.5 J	10 U	ug/L
				GW-091407-NT-033	2.5 J	10 U	ug/L
				GW-091407-NT-035	2.1 J	10 U	ug/L
				GW-091407-NT-036	1.3 J	10 U	ug/L
				GW-091407-NT-037	7.2 J	10 U	ug/L
				GW-091107-NT-006	5.8 J	10 U	ug/L
				GW-091407-NT-034	2.6 J	10 U	ug/L

Notes:

J Estimated.

U Not detected.

VOCs Volatile Organic Compounds.

ATTACHMENT C

LABORATORY ANALYTICAL DATA

TABLE C.1

SAMPLE KEY
FORMER FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

<i>Sample ID</i>	<i>Well ID</i>	<i>Date</i>	<i>QA/QC</i> ¹	<i>Parameters</i> ²
GW-091107-NT-001	MW-116B	09/11/07		TCL VOCs, TPH-GRO
GW-091107-NT-002	MW-116A	09/11/07		TCL VOCs, TPH-GRO
GW-091107-NT-003	MW-117A	09/11/07		TCL VOCs, TPH-GRO
GW-091107-NT-004	MW-117A	09/11/07	Duplicate	TCL VOCs, TPH-GRO
GW-091107-NT-005	MW-117B	09/11/07		TCL VOCs, TPH-GRO
GW-091107-NT-006	MW-1	09/11/07	MS/MSD	TCL VOCs, TPH-GRO
GW-091107-NT-007	MW-118B	09/11/07		TCL VOCs, TPH-GRO
GW-091107-NT-008	MW-118A	09/11/07		TCL VOCs, TPH-GRO
GW-091107-NT-009	MW-108	09/11/07		TCL VOCs, TPH-GRO
GW-091207-NT-010	MW-124A	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-011	MW-124A	09/12/07	Duplicate	TCL VOCs, TPH-GRO
GW-091207-NT-012	MW-124B	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-013	MW-105	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-014	MW-104	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-015	MW-103B	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-016	MW-103C	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-017	MW-103A	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-018	MW-103A	09/12/07	Duplicate	TCL VOCs, TPH-GRO
GW-091207-NT-019	MW-115A	09/12/07		TCL VOCs, TPH-GRO
GW-091207-NT-020	MW-102A	09/12/07		TCL VOCs, TPH-GRO
GW-091307-NT-021	MW-102B	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-022	MW-102C	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-023	MW-110	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-024	MW-111	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-025	MW-109	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-026	TMW-130	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-027	MW-1C	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-028	MW-1B	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-029	MW-1A	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-030	MW-119A	09/13/07		TCL VOCs, TPH-GRO
GW-091307-NT-031	MW-119B	09/13/07		TCL VOCs, TPH-GRO
GW-091407-NT-032	Equipment Blank	09/14/07	Equipment Blank	TCL VOCs, TPH-GRO
GW-091407-NT-033	MW-110A	09/14/07		TCL VOCs, TPH-GRO
GW-091407-NT-034	MW-110A	09/14/07		TCL VOCs, TPH-GRO
GW-091407-NT-035	MW-121A	09/14/07		TCL VOCs, TPH-GRO
GW-091407-NT-036	MW-121B	09/14/07		TCL VOCs, TPH-GRO
GW-091407-NT-037	MW-160A	09/14/07		TCL VOCs, TPH-GRO
WG-110107-JH-001	MW-125	11/01/07		TCL VOCs, TPH-GRO

¹ QA/QC - quality assurance/quality control
MS/MSD - matrix spike/matrix spike duplicate

² TCL VOCs - target compound list volatile organic compounds
TPH-GRO - total petroleum hydrocarbon gasoline range organics

ANALYTICAL REPORT

PROJECT NO. 12559

GM FAIRFAX SSOW# R095007
SDG #: 7I13206

Susan Scrocchi

Conestoga Rovers & Assoc
2371 George Urban Blvd
Depew, NY 14043

TESTAMERICA LABORATORIES, INC.



Denise D. Heckler
Project Manager

September 28, 2007

CASE NARRATIVE

7I13206

The following report contains the analytical results for thirty-six water samples and two quality control samples submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GM Fairfax SSOW# E095007 Site, project number 12559. The samples were received September 13, 2007 and September 15, 2007, according to documented sample acceptance procedures.

This SDG consists of (2) laboratory ID's: A7I130206 and A7I150183.

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

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

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

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

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

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 165.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 3.1, 3.6, and 6.7°C.

See TestAmerica's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

PURGEABLE PETROLEUM HYDROCARBONS-8015

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-091107-NT-006 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.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 7262056. 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.

For batch(es) 7261117, the CCV exceeded method criteria on the high side due to carryover from the previous sample. Since the sample result(s) was/were below the requested reporting limit the result(s) was/were accepted. MS/MSDs that were client requested were also reported after the CCV that failed high, because the RPDs passed criteria and the closing calibration passed acceptance criteria.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) 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.

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 (formerly STL 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 North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP
(#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,



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EXECUTIVE SUMMARY - Detection Highlights

7I13206 : A7I130206

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-091107-NT-002 09/11/07 10:45 002				
TPH (as Gasoline)	32 J	100	ug/L	SW846 8015B
Chloromethane	0.30 J	1.0	ug/L	SW846 8260B
GW-091107-NT-003 09/11/07 11:30 003				
TPH (as Gasoline)	28 J	100	ug/L	SW846 8015B
GW-091107-NT-004 09/11/07 11:40 004				
TPH (as Gasoline)	45 J	100	ug/L	SW846 8015B
GW-091107-NT-005 09/11/07 12:15 005				
TPH (as Gasoline)	120	100	ug/L	SW846 8015B
cis-1,2-Dichloroethene	1.3	0.50	ug/L	SW846 8260B
GW-091107-NT-006 09/11/07 14:15 006				
TPH (as Gasoline)	42 J	100	ug/L	SW846 8015B
Acetone	5.8 J	10	ug/L	SW846 8260B
GW-091107-NT-007 09/11/07 15:10 007				
TPH (as Gasoline)	32 J	100	ug/L	SW846 8015B
Chloromethane	1.6	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.9	0.50	ug/L	SW846 8260B
Vinyl chloride	0.31 J	1.0	ug/L	SW846 8260B
GW-091107-NT-008 09/11/07 15:40 008				
TPH (as Gasoline)	32 J	100	ug/L	SW846 8015B
Chloromethane	0.46 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4.5	0.50	ug/L	SW846 8260B
Trichloroethene	0.63 J	1.0	ug/L	SW846 8260B
GW-091107-NT-009 09/11/07 16:25 009				
TPH (as Gasoline)	30 J	100	ug/L	SW846 8015B
Chloromethane	0.32 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

7I13206 : A7I130206

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-091207-NT-010 09/12/07 09:05 010				
TPH (as Gasoline)	37 J	100	ug/L	SW846 8015B
GW-091207-NT-011 09/12/07 09:15 011				
TPH (as Gasoline)	33 J	100	ug/L	SW846 8015B
Chloromethane	0.53 J	1.0	ug/L	SW846 8260B
GW-091207-NT-012 09/12/07 09:45 012				
TPH (as Gasoline)	42 J	100	ug/L	SW846 8015B
Chlorobenzene	0.30 J	1.0	ug/L	SW846 8260B
Chloromethane	0.40 J	1.0	ug/L	SW846 8260B
GW-091207-NT-013 09/12/07 10:30 013				
TPH (as Gasoline)	31 J	100	ug/L	SW846 8015B
cis-1,2-Dichloroethene	3.1	0.50	ug/L	SW846 8260B
Tetrachloroethene	0.63 J	1.0	ug/L	SW846 8260B
Trichloroethene	1.3	1.0	ug/L	SW846 8260B
GW-091207-NT-014 09/12/07 11:30 014				
TPH (as Gasoline)	37 J	100	ug/L	SW846 8015B
cis-1,2-Dichloroethene	0.25 J	0.50	ug/L	SW846 8260B
GW-091207-NT-015 09/12/07 13:30 015				
TPH (as Gasoline)	31 J	100	ug/L	SW846 8015B
Carbon disulfide	0.91 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.4	0.50	ug/L	SW846 8260B
GW-091207-NT-016 09/12/07 14:25 016				
TPH (as Gasoline)	33 J	100	ug/L	SW846 8015B
GW-091207-NT-017 09/12/07 15:05 017				
TPH (as Gasoline)	390000	250000	ug/L	SW846 8015B
Ethylbenzene	7400	5000	ug/L	SW846 8260B
4-Methyl-2-pentanone	30000 J	50000	ug/L	SW846 8260B
Toluene	120000	5000	ug/L	SW846 8260B
Xylenes (total)	63000	5000	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

7I13206 : A7I130206

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-091207-NT-018 09/12/07 15:20 018				
TPH (as Gasoline)	380000	250000	ug/L	SW846 8015B
Ethylbenzene	7900	5000	ug/L	SW846 8260B
4-Methyl-2-pentanone	33000 J	50000	ug/L	SW846 8260B
Toluene	130000	5000	ug/L	SW846 8260B
Xylenes (total)	67000	5000	ug/L	SW846 8260B
GW-091207-NT-019 09/12/07 15:50 019				
TPH (as Gasoline)	130	100	ug/L	SW846 8015B
Ethylbenzene	1.9	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	0.44 J	10	ug/L	SW846 8260B
Toluene	16	1.0	ug/L	SW846 8260B
Xylenes (total)	16	1.0	ug/L	SW846 8260B
GW-091207-NT-020 09/12/07 16:30 020				
TPH (as Gasoline)	37 J	100	ug/L	SW846 8015B
Chloromethane	0.36 J	1.0	ug/L	SW846 8260B
Ethylbenzene	0.71 J	1.0	ug/L	SW846 8260B
Toluene	0.90 J	1.0	ug/L	SW846 8260B
Xylenes (total)	0.71 J	1.0	ug/L	SW846 8260B
TRIP BLANK 09/12/07 021				
Acetone	2.6 J	10	ug/L	SW846 8260B
Methylene chloride	0.71 J,B	1.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

7I13206 : A7I150183

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-091307-NT-021 09/13/07 08:50 001				
Toluene	0.18 J	1.0	ug/L	SW846 8260B
GW-091307-NT-022 09/13/07 09:35 002				
Acetone	2.6 J	10	ug/L	SW846 8260B
GW-091307-NT-023 09/13/07 11:20 003				
cis-1,2-Dichloroethene	0.29 J	0.50	ug/L	SW846 8260B
GW-091307-NT-024 09/13/07 11:50 004				
cis-1,2-Dichloroethene	70	1.2	ug/L	SW846 8260B
trans-1,2-Dichloroethene	4.7	1.2	ug/L	SW846 8260B
Vinyl chloride	3.0	2.5	ug/L	SW846 8260B
GW-091307-NT-025 09/13/07 12:30 005				
cis-1,2-Dichloroethene	31	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	1.9	0.50	ug/L	SW846 8260B
Vinyl chloride	1.2	1.0	ug/L	SW846 8260B
GW-091307-NT-027 09/13/07 15:35 007				
Acetone	1.5 J	10	ug/L	SW846 8260B
GW-091307-NT-028 09/13/07 16:05 008				
Acetone	1.5 J	10	ug/L	SW846 8260B
Chloromethane	0.34 J	1.0	ug/L	SW846 8260B
GW-091307-NT-029 09/13/07 16:30 009				
Acetone	2.3 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.40 J	0.50	ug/L	SW846 8260B
GW-091307-NT-030 09/13/07 17:15 010				
Acetone	23	10	ug/L	SW846 8260B
Chloromethane	0.32 J	1.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

7I13206 : A7I150183

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-091307-NT-031 09/13/07 17:40 011				
Acetone	1.5 J	10	ug/L	SW846 8260B
Chloromethane	0.38 J	1.0	ug/L	SW846 8260B
TRIP BLANK 3 09/14/07 08:00 012				
Acetone	4.4 J	10	ug/L	SW846 8260B
Methylene chloride	0.36 J	1.0	ug/L	SW846 8260B
GW-091407-NT-032 09/14/07 08:55 013				
Acetone	9.7 J	10	ug/L	SW846 8260B
2-Butanone	2.3 J	10	ug/L	SW846 8260B
Chloromethane	0.30 J	1.0	ug/L	SW846 8260B
GW-091407-NT-033 09/14/07 09:50 014				
Acetone	2.5 J	10	ug/L	SW846 8260B
Chloromethane	0.37 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.6	0.50	ug/L	SW846 8260B
Tetrachloroethene	7.0	1.0	ug/L	SW846 8260B
Trichloroethene	1.5	1.0	ug/L	SW846 8260B
GW-091407-NT-034 09/14/07 10:00 015				
TPH (as Gasoline)	170	100	ug/L	SW846 8015B
Acetone	2.6 J	10	ug/L	SW846 8260B
Chloromethane	0.41 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.7	0.50	ug/L	SW846 8260B
Tetrachloroethene	7.3	1.0	ug/L	SW846 8260B
Trichloroethene	1.4	1.0	ug/L	SW846 8260B
GW-091407-NT-035 09/14/07 11:00 016				
Acetone	2.1 J	10	ug/L	SW846 8260B
GW-091407-NT-036 09/14/07 11:25 017				
Acetone	1.3 J	10	ug/L	SW846 8260B
Chloromethane	0.43 J	1.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

7I13206 : A7I150183

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
GW-091407-NT-037 09/14/07 11:55 018				
Acetone	7.2 J	10	ug/L	SW846 8260B
Chloromethane	0.39 J	1.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

7I13206

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B

References:

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

SAMPLE SUMMARY

7I13206 : A7I130206

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J6QGK	001	GW-091107-NT-001	09/11/07	10:05
J6QGR	002	GW-091107-NT-002	09/11/07	10:45
J6QGT	003	GW-091107-NT-003	09/11/07	11:30
J6QGV	004	GW-091107-NT-004	09/11/07	11:40
J6QGW	005	GW-091107-NT-005	09/11/07	12:15
J6QGX	006	GW-091107-NT-006	09/11/07	14:15
J6QG0	007	GW-091107-NT-007	09/11/07	15:10
J6QG2	008	GW-091107-NT-008	09/11/07	15:40
J6QG3	009	GW-091107-NT-009	09/11/07	16:25
J6QG5	010	GW-091207-NT-010	09/12/07	09:05
J6QG7	011	GW-091207-NT-011	09/12/07	09:15
J6QG8	012	GW-091207-NT-012	09/12/07	09:45
J6QG9	013	GW-091207-NT-013	09/12/07	10:30
J6QHA	014	GW-091207-NT-014	09/12/07	11:30
J6QHC	015	GW-091207-NT-015	09/12/07	13:30
J6QHD	016	GW-091207-NT-016	09/12/07	14:25
J6QHF	017	GW-091207-NT-017	09/12/07	15:05
J6QHG	018	GW-091207-NT-018	09/12/07	15:20
J6QHH	019	GW-091207-NT-019	09/12/07	15:50
J6QHJ	020	GW-091207-NT-020	09/12/07	16:30
J6QHK	021	TRIP BLANK	09/12/07	

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

7I13206 : A7I150183

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J6X9A	001	GW-091307-NT-021	09/13/07	08:50
J6X9J	002	GW-091307-NT-022	09/13/07	09:35
J6X9L	003	GW-091307-NT-023	09/13/07	11:20
J6X9N	004	GW-091307-NT-024	09/13/07	11:50
J6X9R	005	GW-091307-NT-025	09/13/07	12:30
J6X9W	007	GW-091307-NT-027	09/13/07	15:35
J6X90	008	GW-091307-NT-028	09/13/07	16:05
J6X91	009	GW-091307-NT-029	09/13/07	16:30
J6X93	010	GW-091307-NT-030	09/13/07	17:15
J6X96	011	GW-091307-NT-031	09/13/07	17:40
J6X98	012	TRIP BLANK 3	09/14/07	08:00
J60AP	013	GW-091407-NT-032	09/14/07	08:55
J60AT	014	GW-091407-NT-033	09/14/07	09:50
J60A1	015	GW-091407-NT-034	09/14/07	10:00
J60A4	016	GW-091407-NT-035	09/14/07	11:00
J60A6	017	GW-091407-NT-036	09/14/07	11:25
J60A7	018	GW-091407-NT-037	09/14/07	11:55

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: GW-091107-NT-001

GC/MS Volatiles

Lot-Sample #....: A7I130206-001 Work Order #....: J6QGK1AA Matrix.....: WG
 Date Sampled....: 09/11/07 10:05 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 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	115	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-001

GC Volatiles

Lot-Sample #....: A7I130206-001 Work Order #....: J6QGK1AC Matrix.....: WG
Date Sampled...: 09/11/07 10:05 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	79	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-002

GC/MS Volatiles

Lot-Sample #....: A7I130206-002 Work Order #....: J6QGR1AA Matrix.....: WG
 Date Sampled....: 09/11/07 10:45 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 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	0.30 J	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	112	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-002

GC/MS Volatiles

Lot-Sample #...: A7I130206-002 Work Order #...: J6QGR1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-002

GC Volatiles

Lot-Sample #....: A7I130206-002 Work Order #....: J6QGR1AC Matrix.....: WG
Date Sampled....: 09/11/07 10:45 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
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)	32 J	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	84	(10 - 150)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-003

GC/MS Volatiles

Lot-Sample #....: A7I130206-003 Work Order #....: J6QGT1AA Matrix.....: WG
 Date Sampled....: 09/11/07 11:30 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 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	113	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-003

GC Volatiles

Lot-Sample #....: A7I130206-003 Work Order #....: J6QGT1AC Matrix.....: WG
Date Sampled....: 09/11/07 11:30 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

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

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

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-004

GC/MS Volatiles

Lot-Sample #....: A7I130206-004 Work Order #....: J6QGV1AA Matrix.....: WG
 Date Sampled....: 09/11/07 11:40 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 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	113	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-004

GC Volatiles

Lot-Sample #...: A7I130206-004 Work Order #...: J6QGV1AC Matrix.....: WG
Date Sampled...: 09/11/07 11:40 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #...: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	45 J	100	ug/L	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	84	(10 - 150)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-005

GC/MS Volatiles

Lot-Sample #....: A7I130206-005 Work Order #....: J6QGW1AA Matrix.....: WG
 Date Sampled....: 09/11/07 12:15 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 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	1.3	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	115	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-005

GC Volatiles

Lot-Sample #....: A7I130206-005 Work Order #....: J6QGW1AC Matrix.....: WG
Date Sampled....: 09/11/07 12:15 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
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)	120	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	84	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-006

GC/MS Volatiles

Lot-Sample #....: A7I130206-006 Work Order #....: J6QGX1AA Matrix.....: WG
 Date Sampled....: 09/11/07 14:15 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	5.8 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	113	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-006

GC/MS Volatiles

Lot-Sample #....: A7I130206-006 Work Order #....: J6QGX1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-006

GC Volatiles

Lot-Sample #....: A7I130206-006 Work Order #....: J6QGX1AE Matrix.....: WG
Date Sampled....: 09/11/07 14:15 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	42 J	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	80	(10 - 150)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-007

GC/MS Volatiles

Lot-Sample #....: A7I130206-007 Work Order #....: J6QG01AA Matrix.....: WG
 Date Sampled....: 09/11/07 15:10 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	1.6	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	2.9	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	0.31 J	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-007

GC/MS Volatiles

Lot-Sample #....: A7I130206-007 Work Order #....: J6QG01AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-007

GC Volatiles

Lot-Sample #...: A7I130206-007 Work Order #...: J6QG01AC Matrix.....: WG
Date Sampled...: 09/11/07 15:10 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #...: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	32 J	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	89	(10 - 150)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-008

GC/MS Volatiles

Lot-Sample #....: A7I130206-008 Work Order #....: J6QG21AA Matrix.....: WG
 Date Sampled...: 09/11/07 15:40 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.46 J	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	4.5	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	0.63 J	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	111	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-008

GC/MS Volatiles

Lot-Sample #....: A7I130206-008 Work Order #....: J6QG21AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-008

GC Volatiles

Lot-Sample #....: A7I130206-008 Work Order #....: J6QG21AC Matrix.....: WG
Date Sampled...: 09/11/07 15:40 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	32 J	100	ug/L	28

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

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-009

GC/MS Volatiles

Lot-Sample #....: A7I130206-009 Work Order #....: J6QG31AA Matrix.....: WG
 Date Sampled....: 09/11/07 16:25 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.32 J	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	113	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-009

GC/MS Volatiles

Lot-Sample #...: A7I130206-009 Work Order #...: J6QG31AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091107-NT-009

GC Volatiles

Lot-Sample #....: A7I130206-009 Work Order #....: J6QG31AC Matrix.....: WG
Date Sampled....: 09/11/07 16:25 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	30 J	100	ug/L	28
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Trifluorotoluene	84	(10 - 150)		

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-010

GC/MS Volatiles

Lot-Sample #....: A7I130206-010 Work Order #....: J6QG51AA Matrix.....: WG
 Date Sampled....: 09/12/07 09:05 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	114	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-010

GC Volatiles

Lot-Sample #....: A7I130206-010 Work Order #....: J6QG51AC Matrix.....: WG
Date Sampled....: 09/12/07 09:05 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
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)	37 J	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	86	(10 - 150)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-011

GC/MS Volatiles

Lot-Sample #....: A7I130206-011 Work Order #....: J6QG71AA Matrix.....: WG
 Date Sampled....: 09/12/07 09:15 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.53 J	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	113	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-011

GC/MS Volatiles

Lot-Sample #....: A7I130206-011 Work Order #....: J6QG71AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-011

GC Volatiles

Lot-Sample #....: A7I130206-011 Work Order #....: J6QG71AC Matrix.....: WG
Date Sampled....: 09/12/07 09:15 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	33 J	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	84	(10 - 150)

NOTE(S):

J Estimated result, Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-012

GC/MS Volatiles

Lot-Sample #....: A7I130206-012 Work Order #....: J6QG81AA Matrix.....: WG
 Date Sampled....: 09/12/07 09:45 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.30 J	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	0.40 J	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	115	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-013

GC Volatiles

Lot-Sample #....: A7I130206-013 Work Order #....: J6QG91AE Matrix.....: WG
Date Sampled...: 09/12/07 10:30 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
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)	31 J	100	ug/L	28

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

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-014

GC/MS Volatiles

Lot-Sample #....: A7I130206-014 Work Order #....: J6QHA1AA Matrix.....: WG
 Date Sampled....: 09/12/07 11:30 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.25 J	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	112	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-014

GC/MS Volatiles

Lot-Sample #....: A7I130206-014 Work Order #....: J6QHA1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-014

GC Volatiles

Lot-Sample #....: A7I130206-014 Work Order #....: J6QHA1AC Matrix.....: WG
Date Sampled....: 09/12/07 11:30 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	37 J	100	ug/L	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	83	(10 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-015

GC/MS Volatiles

Lot-Sample #....: A7I130206-015 Work Order #....: J6QHC1AA Matrix.....: WG
 Date Sampled....: 09/12/07 13:30 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.91 J	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	3.4	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	115	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-015

GC/MS Volatiles

Lot-Sample #...: A7I130206-015 Work Order #...: J6QHC1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-015

GC Volatiles

Lot-Sample #....: A7I130206-015 Work Order #....: J6QHClAC Matrix.....: WG
Date Sampled...: 09/12/07 13:30 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	31 J	100	ug/L	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	85	(10 - 150)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-016

GC/MS Volatiles

Lot-Sample #....: A7I130206-016 Work Order #....: J6QHD1AA Matrix.....: WG
 Date Sampled....: 09/12/07 14:25 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	113	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-016

GC Volatiles

Lot-Sample #....: A7I130206-016 Work Order #....: J6QHD1AC Matrix.....: WG
Date Sampled....: 09/12/07 14:25 Date Received...: 09/13/07
Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
Prep Batch #....: 7261117
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	33 J	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	84	(10 - 150)

NOTE (S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-017

GC/MS Volatiles

Lot-Sample #....: A7I130206-017 Work Order #....: J6QHF1AA Matrix.....: WG
 Date Sampled....: 09/12/07 15:05 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 Dilution Factor: 5000 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	50000	ug/L	5500
Benzene	ND	5000	ug/L	650
Bromodichloromethane	ND	5000	ug/L	750
Bromoform	ND	5000	ug/L	3200
Bromomethane	ND	5000	ug/L	2000
2-Butanone	ND	50000	ug/L	2800
Carbon disulfide	ND	5000	ug/L	650
Carbon tetrachloride	ND	5000	ug/L	650
Chlorobenzene	ND	5000	ug/L	750
Chloroethane	ND	5000	ug/L	1400
Chloroform	ND	5000	ug/L	800
Chloromethane	ND	5000	ug/L	1500
Dibromochloromethane	ND	5000	ug/L	900
1,1-Dichloroethane	ND	5000	ug/L	750
1,2-Dichloroethane	ND	5000	ug/L	1100
1,1-Dichloroethene	ND	5000	ug/L	950
cis-1,2-Dichloroethene	ND	2500	ug/L	850
trans-1,2-Dichloroethene	ND	2500	ug/L	950
1,2-Dichloropropane	ND	5000	ug/L	900
cis-1,3-Dichloropropene	ND	5000	ug/L	700
trans-1,3-Dichloropropene	ND	5000	ug/L	950
Ethylbenzene	7400	5000	ug/L	850
2-Hexanone	ND	50000	ug/L	2000
Methylene chloride	ND	5000	ug/L	1600
4-Methyl-2-pentanone	30000 J	50000	ug/L	1600
Styrene	ND	5000	ug/L	550
1,1,2,2-Tetrachloroethane	ND	5000	ug/L	900
Tetrachloroethene	ND	5000	ug/L	1400
Toluene	120000	5000	ug/L	650
1,1,1-Trichloroethane	ND	5000	ug/L	1100
1,1,2-Trichloroethane	ND	5000	ug/L	1400
Trichloroethene	ND	5000	ug/L	850
Vinyl chloride	ND	5000	ug/L	1100
Xylenes (total)	63000	5000	ug/L	1400

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-017

GC/MS Volatiles

Lot-Sample #....: A7I130206-017 Work Order #....: J6QHF1AA Matrix.....: WG

NOTE (S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-017

GC Volatiles

Lot-Sample #...: A7I130206-017 Work Order #...: J6QHF1AC Matrix.....: WG
Date Sampled...: 09/12/07 15:05 Date Received...: 09/13/07
Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
Prep Batch #...: 7262056
Dilution Factor: 2500 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	390000	250000	ug/L	70000

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-018

GC/MS Volatiles

Lot-Sample #....: A7I130206-018 Work Order #....: J6QHG1AA Matrix.....: WG
 Date Sampled....: 09/12/07 15:20 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 Dilution Factor: 5000 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	50000	ug/L	5500
Benzene	ND	5000	ug/L	650
Bromodichloromethane	ND	5000	ug/L	750
Bromoform	ND	5000	ug/L	3200
Bromomethane	ND	5000	ug/L	2000
2-Butanone	ND	50000	ug/L	2800
Carbon disulfide	ND	5000	ug/L	650
Carbon tetrachloride	ND	5000	ug/L	650
Chlorobenzene	ND	5000	ug/L	750
Chloroethane	ND	5000	ug/L	1400
Chloroform	ND	5000	ug/L	800
Chloromethane	ND	5000	ug/L	1500
Dibromochloromethane	ND	5000	ug/L	900
1,1-Dichloroethane	ND	5000	ug/L	750
1,2-Dichloroethane	ND	5000	ug/L	1100
1,1-Dichloroethene	ND	5000	ug/L	950
cis-1,2-Dichloroethene	ND	2500	ug/L	850
trans-1,2-Dichloroethene	ND	2500	ug/L	950
1,2-Dichloropropane	ND	5000	ug/L	900
cis-1,3-Dichloropropene	ND	5000	ug/L	700
trans-1,3-Dichloropropene	ND	5000	ug/L	950
Ethylbenzene	7900	5000	ug/L	850
2-Hexanone	ND	50000	ug/L	2000
Methylene chloride	ND	5000	ug/L	1600
4-Methyl-2-pentanone	33000 J	50000	ug/L	1600
Styrene	ND	5000	ug/L	550
1,1,2,2-Tetrachloroethane	ND	5000	ug/L	900
Tetrachloroethene	ND	5000	ug/L	1400
Toluene	130000	5000	ug/L	650
1,1,1-Trichloroethane	ND	5000	ug/L	1100
1,1,2-Trichloroethane	ND	5000	ug/L	1400
Trichloroethene	ND	5000	ug/L	850
Vinyl chloride	ND	5000	ug/L	1100
Xylenes (total)	67000	5000	ug/L	1400

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-018

GC/MS Volatiles

Lot-Sample #...: A7I130206-018 Work Order #...: J6QHGI1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-018

GC Volatiles

Lot-Sample #...: A7I130206-018 Work Order #...: J6QHG1AC Matrix.....: WG
Date Sampled...: 09/12/07 15:20 Date Received...: 09/13/07
Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
Prep Batch #...: 7262056
Dilution Factor: 2500 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	380000	250000	ug/L	70000

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	80	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-019

GC/MS Volatiles

Lot-Sample #....: A7I130206-019 Work Order #....: J6QHH1AA Matrix.....: WG
 Date Sampled....: 09/12/07 15:50 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	1.9	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	0.44 J	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	16	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)	16	1.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-019

GC/MS Volatiles

Lot-Sample #...: A7I130206-019 Work Order #...: J6QHH1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-019

GC Volatiles

Lot-Sample #....: A7I130206-019 Work Order #....: J6QHH1AC Matrix.....: WG
Date Sampled....: 09/12/07 15:50 Date Received...: 09/13/07
Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
Prep Batch #....: 7262056
Dilution Factor: 1 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	130	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	86	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-020

GC/MS Volatiles

Lot-Sample #....: A7I130206-020 Work Order #....: J6QHJ1AA Matrix.....: WG
 Date Sampled....: 09/12/07 16:30 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 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	0.36 J	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	0.71 J	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	0.90 J	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)	0.71 J	1.0	ug/L	0.28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-020

GC/MS Volatiles

Lot-Sample #....: A7I130206-020 Work Order #....: J6QHJ1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091207-NT-020

GC Volatiles

Lot-Sample #....: A7I130206-020 Work Order #....: J6QHJ1AC Matrix.....: WG
Date Sampled....: 09/12/07 16:30 Date Received...: 09/13/07
Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
Prep Batch #....: 7262056
Dilution Factor: 1 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	37 J	100	ug/L	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	87	(10 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: A7I130206-021 Work Order #....: J6QHK1AA Matrix.....: WQ
 Date Sampled....: 09/12/07 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	2.6 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.71 J,B	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	113	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: A7I130206-021 Work Order #....: J6QHK1AA Matrix.....: WQ

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-091307-NT-021

GC/MS Volatiles

Lot-Sample #....: A7I150183-001 Work Order #....: J6X9A1AA Matrix.....: WG
 Date Sampled....: 09/13/07 08:50 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 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	0.18 J	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	99	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-021

GC/MS Volatiles

Lot-Sample #....: A7I150183-001 Work Order #....: J6X9A1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-021

GC Volatiles

Lot-Sample #....: A7I150183-001 Work Order #....: J6X9A1AC Matrix.....: WG
Date Sampled...: 09/13/07 08:50 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	84	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-022

GC/MS Volatiles

Lot-Sample #....: A7I150183-002 Work Order #....: J6X9J1AA Matrix.....: WG
 Date Sampled....: 09/13/07 09:35 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	2.6 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	99	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-022

GC/MS Volatiles

Lot-Sample #....: A7I150183-002 Work Order #....: J6X9J1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-022

GC Volatiles

Lot-Sample #....: A7I150183-002 Work Order #....: J6X9J1AC Matrix.....: WG
Date Sampled....: 09/13/07 09:35 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-023

GC/MS Volatiles

Lot-Sample #....: A7I150183-003 Work Order #....: J6X9L1AA Matrix.....: WG
 Date Sampled....: 09/13/07 11:20 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 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	0.29 J	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	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-023

GC/MS Volatiles

Lot-Sample #...: A7I150183-003 Work Order #...: J6X9L1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-023

GC Volatiles

Lot-Sample #....: A7I150183-003 Work Order #....: J6X9L1AC Matrix.....: WG
Date Sampled...: 09/13/07 11:20 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-024

GC/MS Volatiles

Lot-Sample #....: A7I150183-004 Work Order #....: J6X9N1AA Matrix.....: WG
 Date Sampled....: 09/13/07 11:50 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 2.5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	25	ug/L	2.8
Benzene	ND	2.5	ug/L	0.32
Bromodichloromethane	ND	2.5	ug/L	0.38
Bromoform	ND	2.5	ug/L	1.6
Bromomethane	ND	2.5	ug/L	1.0
2-Butanone	ND	25	ug/L	1.4
Carbon disulfide	ND	2.5	ug/L	0.32
Carbon tetrachloride	ND	2.5	ug/L	0.32
Chlorobenzene	ND	2.5	ug/L	0.38
Chloroethane	ND	2.5	ug/L	0.72
Chloroform	ND	2.5	ug/L	0.40
Chloromethane	ND	2.5	ug/L	0.75
Dibromochloromethane	ND	2.5	ug/L	0.45
1,1-Dichloroethane	ND	2.5	ug/L	0.38
1,2-Dichloroethane	ND	2.5	ug/L	0.55
1,1-Dichloroethene	ND	2.5	ug/L	0.48
cis-1,2-Dichloroethene	70	1.2	ug/L	0.42
trans-1,2-Dichloroethene	4.7	1.2	ug/L	0.48
1,2-Dichloropropane	ND	2.5	ug/L	0.45
cis-1,3-Dichloropropene	ND	2.5	ug/L	0.35
trans-1,3-Dichloropropene	ND	2.5	ug/L	0.48
Ethylbenzene	ND	2.5	ug/L	0.42
2-Hexanone	ND	25	ug/L	1.0
Methylene chloride	ND	2.5	ug/L	0.82
4-Methyl-2-pentanone	ND	25	ug/L	0.80
Styrene	ND	2.5	ug/L	0.28
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	0.45
Tetrachloroethene	ND	2.5	ug/L	0.72
Toluene	ND	2.5	ug/L	0.32
1,1,1-Trichloroethane	ND	2.5	ug/L	0.55
1,1,2-Trichloroethane	ND	2.5	ug/L	0.68
Trichloroethene	ND	2.5	ug/L	0.42
Vinyl chloride	3.0	2.5	ug/L	0.55
Xylenes (total)	ND	2.5	ug/L	0.70

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-024

GC Volatiles

Lot-Sample #....: A7I150183-004 Work Order #....: J6X9N1AC Matrix.....: WG
Date Sampled....: 09/13/07 11:50 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	84	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-025

GC/MS Volatiles

Lot-Sample #....: A7I150183-005 Work Order #....: J6X9R1AA Matrix.....: WG
 Date Sampled....: 09/13/07 12:30 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 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	31	0.50	ug/L	0.17
trans-1,2-Dichloroethene	1.9	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	1.2	1.0	ug/L	0.22
Xylenes (total)	ND	1.0	ug/L	0.28

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-025

GC Volatiles

Lot-Sample #...: A7I150183-005 Work Order #...: J6X9R1AC Matrix.....: WG
Date Sampled...: 09/13/07 12:30 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #...: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	84	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-027

GC/MS Volatiles

Lot-Sample #....: A7I150183-007 Work Order #....: J6X9W1AA Matrix.....: WG
 Date Sampled....: 09/13/07 15:35 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	1.5 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	101	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-027

GC/MS Volatiles

Lot-Sample #...: A7I150183-007 Work Order #...: J6X9W1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-027

GC Volatiles

Lot-Sample #....: A7I150183-007 Work Order #....: J6X9W1AC Matrix.....: WG
Date Sampled...: 09/13/07 15:35 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Trifluorotoluene	80	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-028

GC/MS Volatiles

Lot-Sample #....: A7I150183-008 Work Order #....: J6X901AA Matrix.....: WG
 Date Sampled....: 09/13/07 16:05 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	1.5 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.34 J	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	102	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-028

GC/MS Volatiles

Lot-Sample #...: A7I150183-008 Work Order #...: J6X901AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-028

GC Volatiles

Lot-Sample #....: A7I150183-008 Work Order #....: J6X901AC Matrix.....: WG
Date Sampled...: 09/13/07 16:05 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-029

GC/MS Volatiles

Lot-Sample #....: A7I150183-009 Work Order #....: J6X911AA Matrix.....: WG
 Date Sampled...: 09/13/07 16:30 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	2.3 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.40 J	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	102	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-029

GC/MS Volatiles

Lot-Sample #...: A7I150183-009 Work Order #...: J6X911AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-029

GC Volatiles

Lot-Sample #....: A7I150183-009 Work Order #....: J6X911AC Matrix.....: WG
Date Sampled...: 09/13/07 16:30 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	87	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-030

GC/MS Volatiles

Lot-Sample #....: A7I150183-010 Work Order #....: J6X931AA Matrix.....: WG
 Date Sampled....: 09/13/07 17:15 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	23	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	0.32 J	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	105	(73 - 122)		
1,2-Dichloroethane-d4	105	(61 - 128)		
Toluene-d8	95	(76 - 110)		
4-Bromofluorobenzene	92	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-030

GC/MS Volatiles

Lot-Sample #....: A7I150183-010 Work Order #....: J6X931AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-030

GC Volatiles

Lot-Sample #....: A7I150183-010 Work Order #....: J6X931AC Matrix.....: WG
Date Sampled....: 09/13/07 17:15 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	87	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-031

GC/MS Volatiles

Lot-Sample #....: A7I150183-011 Work Order #....: J6X961AA Matrix.....: WG
 Date Sampled...: 09/13/07 17:40 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	1.5 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.38 J	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	102	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-031

GC/MS Volatiles

Lot-Sample #....: A7I150183-011 Work Order #....: J6X961AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-031

GC Volatiles

Lot-Sample #....: A7I150183-011 Work Order #....: J6X961AC Matrix.....: WG
Date Sampled...: 09/13/07 17:40 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK 3

GC/MS Volatiles

Lot-Sample #....: A7I150183-012 Work Order #....: J6X981AA Matrix.....: WQ
 Date Sampled....: 09/14/07 08:00 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.4 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.36 J	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	103	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK 3

GC/MS Volatiles

Lot-Sample #...: A7I150183-012 Work Order #...: J6X981AA Matrix.....: WQ

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-032

GC/MS Volatiles

Lot-Sample #....: A7I150183-013 Work Order #....: J60AP1AA Matrix.....: WG
 Date Sampled....: 09/14/07 08:55 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	9.7 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	2.3 J	10	ug/L	0.57
Carbon disulfide	ND	1.0	ug/L	0.13
Carbon tetrachloride	ND	1.0	ug/L	0.13
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	1.0	ug/L	0.29
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	0.30 J	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	108	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-032

GC/MS Volatiles

Lot-Sample #....: A7I150183-013 Work Order #....: J60AP1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-032

GC Volatiles

Lot-Sample #....: A7I150183-013 Work Order #....: J60AP1AC Matrix.....: WG
Date Sampled....: 09/14/07 08:55 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-033

GC/MS Volatiles

Lot-Sample #....: A7I150183-014 Work Order #....: J60AT1AA Matrix.....: WG
 Date Sampled....: 09/14/07 09:50 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	2.5 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.37 J	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	2.6	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	7.0	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	1.5	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	108	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-033

GC/MS Volatiles

Lot-Sample #....: A7I150183-014 Work Order #....: J60AT1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-033

GC Volatiles

Lot-Sample #....: A7I150183-014 Work Order #....: J60AT1AC Matrix.....: WG
Date Sampled....: 09/14/07 09:50 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
Dilution Factor: 1 Method.....: SW846 8015B

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

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-034

GC/MS Volatiles

Lot-Sample #...: A7I150183-015 Work Order #...: J60A11AA Matrix.....: WG
 Date Sampled...: 09/14/07 10:00 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #...: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	2.6 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.41 J	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	2.7	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	7.3	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	1.4	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	102	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-034

GC/MS Volatiles

Lot-Sample #...: A7I150183-015 Work Order #...: J60A11AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-034

GC Volatiles

Lot-Sample #....: A7I150183-015 Work Order #....: J60A11AC Matrix.....: WG
Date Sampled...: 09/14/07 10:00 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
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)	170	100	ug/L	28

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	86	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-035

GC/MS Volatiles

Lot-Sample #....: A7I150183-016 Work Order #....: J60A41AA Matrix.....: WG
 Date Sampled...: 09/14/07 11:00 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	2.1 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	103	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-035

GC/MS Volatiles

Lot-Sample #....: A7I150183-016 Work Order #....: J60A41AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-035

GC Volatiles

Lot-Sample #....: A7I150183-016 Work Order #....: J60A41AC Matrix.....: WG
Date Sampled...: 09/14/07 11:00 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
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	81	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-036

GC/MS Volatiles

Lot-Sample #....: A7I150183-017 Work Order #....: J60A61AA Matrix.....: WG
 Date Sampled....: 09/14/07 11:25 Date Received...: 09/15/07
 Prep Date.....: 09/26/07 Analysis Date...: 09/26/07
 Prep Batch #....: 7270027
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	1.3 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.43 J	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	100	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-036

GC/MS Volatiles

Lot-Sample #....: A7I150183-017 Work Order #....: J60A61AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-036

GC Volatiles

Lot-Sample #....: A7I150183-017 Work Order #....: J60A61AC Matrix.....: WG
Date Sampled....: 09/14/07 11:25 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
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	81	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-037

GC/MS Volatiles

Lot-Sample #....: A7I150183-018 Work Order #....: J60A71AA Matrix.....: WG
 Date Sampled....: 09/14/07 11:55 Date Received...: 09/15/07
 Prep Date.....: 09/26/07 Analysis Date...: 09/26/07
 Prep Batch #....: 7270027
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	7.2 J	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	ND	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.39 J	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	103	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-037

GC/MS Volatiles

Lot-Sample #....: A7I150183-018 Work Order #....: J60A71AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091407-NT-037

GC Volatiles

Lot-Sample #....: A7I150183-018 Work Order #....: J60A71AC Matrix.....: WG
Date Sampled....: 09/14/07 11:55 Date Received...: 09/15/07
Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
Prep Batch #....: 7263074
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	82	(10 - 150)

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7I13206
MB Lot-Sample #: A7I190000-212

Work Order #....: J65X71AA

Matrix.....: WATER

Analysis Date...: 09/18/07
Dilution Factor: 1

Prep Date.....: 09/18/07
Prep Batch #....: 7262212

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
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	1.3	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	110	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7I13206

Work Order #....: J65X71AA

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 #....: 7I13206
MB Lot-Sample #: A7I200000-131

Work Order #....: J68KH1AA

Matrix.....: WATER

Analysis Date...: 09/19/07
Dilution Factor: 1

Prep Date.....: 09/19/07

Prep Batch #....: 7263131

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	109	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7I13206

Work Order #....: J68KH1AA

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 #...: 7I13206
MB Lot-Sample #: A7I250000-171

Work Order #...: J7KJ41AA

Matrix.....: WATER

Analysis Date...: 09/25/07
Dilution Factor: 1

Prep Date.....: 09/25/07

Prep Batch #...: 7268171

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
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	99	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7I13206

Work Order #....: J7KJ41AA

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 #....: 7I13206
MB Lot-Sample #: A7I270000-027

Work Order #....: J7P971AA

Matrix.....: WATER

Analysis Date...: 09/26/07
Dilution Factor: 1

Prep Date.....: 09/26/07

Prep Batch #....: 7270027

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	101	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7I13206

Work Order #....: J7P971AA

Matrix.....: WATER

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: 7I13206 Work Order #...: J62W21AA Matrix.....: WATER
 MB Lot-Sample #: A7I180000-117 Prep Date.....: 09/17/07
 Analysis Date...: 09/17/07 Prep Batch #...: 7261117
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (as Gasoline)	ND	100	ug/L	SW846 8015B
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Trifluorotoluene	82	(10 - 150)		

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: 7I13206 Work Order #....: J65H11AA Matrix.....: WATER
 MB Lot-Sample #: A7I190000-056
 Analysis Date...: 09/18/07 Prep Date.....: 09/18/07
 Dilution Factor: 1 Prep Batch #....: 7262056

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	83	(10 - 150)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: 7I13206 Work Order #...: J68GV1AA Matrix.....: WATER
 MB Lot-Sample #: A7I200000-074
 Analysis Date...: 09/19/07 Prep Date.....: 09/19/07
 Dilution Factor: 1 Prep Batch #...: 7263074

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	84	(10 - 150)

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 #...: 7I13206 Work Order #...: J65X71AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I190000-212 J65X71AD-LCSD
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #...: 7262212
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	113	(80 - 116)			SW846 8260B
	108	(80 - 116)	4.8	(0-20)	SW846 8260B
Chlorobenzene	108	(76 - 117)			SW846 8260B
	103	(76 - 117)	5.1	(0-20)	SW846 8260B
1,1-Dichloroethene	110	(63 - 130)			SW846 8260B
	111	(63 - 130)	0.62	(0-20)	SW846 8260B
Toluene	110	(74 - 119)			SW846 8260B
	105	(74 - 119)	4.8	(0-20)	SW846 8260B
Trichloroethene	107	(75 - 122)			SW846 8260B
	104	(75 - 122)	3.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
	106	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	107	(74 - 116)
	107	(74 - 116)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J65X71AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I190000-212 J65X71AD-LCSD
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10	11	ug/L	113		SW846 8260B
	10	11	ug/L	108	4.8	SW846 8260B
Chlorobenzene	10	11	ug/L	108		SW846 8260B
	10	10	ug/L	103	5.1	SW846 8260B
1,1-Dichloroethene	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	111	0.62	SW846 8260B
Toluene	10	11	ug/L	110		SW846 8260B
	10	10	ug/L	105	4.8	SW846 8260B
Trichloroethene	10	11	ug/L	107		SW846 8260B
	10	10	ug/L	104	3.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
	106	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	107	(74 - 116)
	107	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 7I13206 Work Order #...: J68KH1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I200000-131 J68KH1AD-LCSD
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #...: 7263131
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	113	(80 - 116)			SW846 8260B
	111	(80 - 116)	2.5	(0-20)	SW846 8260B
Chlorobenzene	106	(76 - 117)			SW846 8260B
	106	(76 - 117)	0.43	(0-20)	SW846 8260B
1,1-Dichloroethene	117	(63 - 130)			SW846 8260B
	114	(63 - 130)	2.4	(0-20)	SW846 8260B
Toluene	108	(74 - 119)			SW846 8260B
	106	(74 - 119)	1.6	(0-20)	SW846 8260B
Trichloroethene	111	(75 - 122)			SW846 8260B
	107	(75 - 122)	3.7	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
	103	(61 - 128)
Toluene-d8	104	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	106	(74 - 116)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J68KH1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I200000-131 J68KH1AD-LCSD
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10	11	ug/L	113		SW846 8260B
	10	11	ug/L	111	2.5	SW846 8260B
Chlorobenzene	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	106	0.43	SW846 8260B
1,1-Dichloroethene	10	12	ug/L	117		SW846 8260B
	10	11	ug/L	114	2.4	SW846 8260B
Toluene	10	11	ug/L	108		SW846 8260B
	10	11	ug/L	106	1.6	SW846 8260B
Trichloroethene	10	11	ug/L	111		SW846 8260B
	10	11	ug/L	107	3.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
	103	(61 - 128)
Toluene-d8	104	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	106	(74 - 116)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 7I13206 Work Order #...: J7KJ41AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I250000-171 J7KJ41AD-LCSD
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #...: 7268171
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	100	(80 - 116)			SW846 8260B
	96	(80 - 116)	3.5	(0-20)	SW846 8260B
Chlorobenzene	101	(76 - 117)			SW846 8260B
	100	(76 - 117)	0.72	(0-20)	SW846 8260B
1,1-Dichloroethene	100	(63 - 130)			SW846 8260B
	96	(63 - 130)	4.8	(0-20)	SW846 8260B
Toluene	102	(74 - 119)			SW846 8260B
	103	(74 - 119)	0.90	(0-20)	SW846 8260B
Trichloroethene	101	(75 - 122)			SW846 8260B
	99	(75 - 122)	1.9	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	96	(61 - 128)
Toluene-d8	100	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	102	(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 #...: 7I13206 Work Order #...: J7KJ41AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I250000-171 J7KJ41AD-LCSD
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #...: 7268171
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10	10	ug/L	100		SW846 8260B
	10	9.6	ug/L	96	3.5	SW846 8260B
Chlorobenzene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	0.72	SW846 8260B
1,1-Dichloroethene	10	10	ug/L	100		SW846 8260B
	10	9.6	ug/L	96	4.8	SW846 8260B
Toluene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	103	0.90	SW846 8260B
Trichloroethene	10	10	ug/L	101		SW846 8260B
	10	9.9	ug/L	99	1.9	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	97	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	96	(61 - 128)
Toluene-d8	100	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	102	(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 #....: 7I13206 Work Order #....: J7P971AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I270000-027 J7P971AD-LCSD
 Prep Date.....: 09/26/07 Analysis Date...: 09/26/07
 Prep Batch #....: 7270027
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	101	(80 - 116)			SW846 8260B
	100	(80 - 116)	0.76	(0-20)	SW846 8260B
Chlorobenzene	99	(76 - 117)			SW846 8260B
	100	(76 - 117)	1.2	(0-20)	SW846 8260B
1,1-Dichloroethene	99	(63 - 130)			SW846 8260B
	97	(63 - 130)	1.4	(0-20)	SW846 8260B
Toluene	104	(74 - 119)			SW846 8260B
	104	(74 - 119)	0.010	(0-20)	SW846 8260B
Trichloroethene	101	(75 - 122)			SW846 8260B
	100	(75 - 122)	1.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	100	(61 - 128)
Toluene-d8	100	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	103	(74 - 116)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J7P971AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I270000-027 J7P971AD-LCSD
 Prep Date.....: 09/26/07 Analysis Date...: 09/26/07
 Prep Batch #....: 7270027
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	0.76	SW846 8260B
Chlorobenzene	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	100	1.2	SW846 8260B
1,1-Dichloroethene	10	9.9	ug/L	99		SW846 8260B
	10	9.7	ug/L	97	1.4	SW846 8260B
Toluene	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	104	0.010	SW846 8260B
Trichloroethene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	1.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	100	(61 - 128)
Toluene-d8	100	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	103	(74 - 116)

NOTE (S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: 7I13206 Work Order #...: J62W21AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I180000-117 J62W21AD-LCSD
 Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
 Prep Batch #...: 7261117
 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)	109	(72 - 140)			SW846 8015B
	113	(72 - 140)	3.9	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	82	(10 - 150)
	83	(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 #....: 7I13206 Work Order #....: J62W21AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I180000-117 J62W21AD-LCSD
 Prep Date.....: 09/17/07 Analysis Date...: 09/17/07
 Prep Batch #....: 7261117
 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	220	ug/L	109		SW846 8015B
	200	230	ug/L	113	3.9	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	82	(10 - 150)
	83	(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 #....: 7I13206 Work Order #....: J65H11AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I190000-056 J65H11AD-LCSD
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262056
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	108	(72 - 140)			SW846 8015B
	113	(72 - 140)	4.3	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	82	(10 - 150)
	83	(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 #....: 7I13206 Work Order #....: J65H11AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I190000-056 J65H11AD-LCSD
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262056
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	200	220	ug/L	108		SW846 8015B
	200	230	ug/L	113	4.3	SW846 8015B
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
Trifluorotoluene			82	(10 ~ 150)		
			83	(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 #....: 7I13206 Work Order #....: J68GV1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I200000-074 J68GV1AD-LCSD
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263074
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	110	(72 - 140)			SW846 8015B
	104	(72 - 140)	6.4	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	87	(10 - 150)
	77	(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 #....: 7I13206 Work Order #....: J68GV1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I200000-074 J68GV1AD-LCSD
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263074
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	200	220	ug/L	110		SW846 8015B
	200	210	ug/L	104	6.4	SW846 8015B
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
Trifluorotoluene			87	(10 - 150)		
			77	(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/MS Volatiles

Client Lot #...: 7I13206 Work Order #...: J6QG91AC-MS Matrix.....: WG
 MS Lot-Sample #: A7I130206-013 J6QG91AD-MSD
 Date Sampled...: 09/12/07 10:30 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #...: 7262212
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	110	(78 - 118)			SW846 8260B
	109	(78 - 118)	1.4	(0-20)	SW846 8260B
Chlorobenzene	106	(76 - 117)			SW846 8260B
	103	(76 - 117)	3.5	(0-20)	SW846 8260B
1,1-Dichloroethene	109	(62 - 130)			SW846 8260B
	109	(62 - 130)	0.15	(0-20)	SW846 8260B
Toluene	108	(70 - 119)			SW846 8260B
	105	(70 - 119)	2.4	(0-20)	SW846 8260B
Trichloroethene	104	(62 - 130)			SW846 8260B
	104	(62 - 130)	0.20	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	111	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	105	(61 - 128)
Toluene-d8	105	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	108	(74 - 116)
	102	(74 - 116)

NOTE (S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J6QG91AC-MS Matrix.....: WG
 MS Lot-Sample #: A7I130206-013 J6QG91AD-MSD
 Date Sampled...: 09/12/07 10:30 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7262212
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	10	11	ug/L	110		SW846 8260B
	ND	10	11	ug/L	109	1.4	SW846 8260B
Chlorobenzene	ND	10	11	ug/L	106		SW846 8260B
	ND	10	10	ug/L	103	3.5	SW846 8260B
1,1-Dichloroethene	ND	10	11	ug/L	109		SW846 8260B
	ND	10	11	ug/L	109	0.15	SW846 8260B
Toluene	ND	10	11	ug/L	108		SW846 8260B
	ND	10	11	ug/L	105	2.4	SW846 8260B
Trichloroethene	1.3	10	12	ug/L	104		SW846 8260B
	1.3	10	12	ug/L	104	0.20	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
	111	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	105	(61 - 128)
Toluene-d8	105	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	108	(74 - 116)
	102	(74 - 116)

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/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J6QGX1AC-MS Matrix.....: WG
 MS Lot-Sample #: A7I130206-006 J6QGX1AD-MSD
 Date Sampled....: 09/11/07 14:15 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	108	(78 - 118)			SW846 8260B
	108	(78 - 118)	0.50	(0-20)	SW846 8260B
Chlorobenzene	102	(76 - 117)			SW846 8260B
	101	(76 - 117)	0.78	(0-20)	SW846 8260B
1,1-Dichloroethene	114	(62 - 130)			SW846 8260B
	111	(62 - 130)	2.7	(0-20)	SW846 8260B
Toluene	105	(70 - 119)			SW846 8260B
	102	(70 - 119)	2.5	(0-20)	SW846 8260B
Trichloroethene	103	(62 - 130)			SW846 8260B
	103	(62 - 130)	0.77	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
	113	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
	103	(61 - 128)
Toluene-d8	105	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	105	(74 - 116)

NOTE (S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J6QGX1AC-MS Matrix.....: WG
 MS Lot-Sample #: A7I130206-006 J6QGX1AD-MSD
 Date Sampled...: 09/11/07 14:15 Date Received...: 09/13/07
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263131
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	10	11	ug/L	108		SW846 8260B
	ND	10	11	ug/L	108	0.50	SW846 8260B
Chlorobenzene	ND	10	10	ug/L	102		SW846 8260B
	ND	10	10	ug/L	101	0.78	SW846 8260B
1,1-Dichloroethene	ND	10	11	ug/L	114		SW846 8260B
	ND	10	11	ug/L	111	2.7	SW846 8260B
Toluene	ND	10	10	ug/L	105		SW846 8260B
	ND	10	10	ug/L	102	2.5	SW846 8260B
Trichloroethene	ND	10	10	ug/L	103		SW846 8260B
	ND	10	10	ug/L	103	0.77	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
	113	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
	103	(61 - 128)
Toluene-d8	105	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	105	(74 - 116)

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/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J7HJT1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A7I240112-001 J7HJT1AD-MSD
 Date Sampled...: 09/20/07 16:30 Date Received...: 09/22/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7268171
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	82	(78 - 118)			SW846 8260B
	85	(78 - 118)	2.8	(0-20)	SW846 8260B
Chlorobenzene	92	(76 - 117)			SW846 8260B
	94	(76 - 117)	2.1	(0-20)	SW846 8260B
1,1-Dichloroethene	96	(62 - 130)			SW846 8260B
	96	(62 - 130)	0.34	(0-20)	SW846 8260B
Toluene	83	(70 - 119)			SW846 8260B
	83	(70 - 119)	0.37	(0-20)	SW846 8260B
Trichloroethene	94	(62 - 130)			SW846 8260B
	94	(62 - 130)	0.12	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	95	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	101	(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 7I13206 Work Order #...: J7HJT1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A7I240112-001 J7HJT1AD-MSD
 Date Sampled...: 09/20/07 16:30 Date Received...: 09/22/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #...: 7268171
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	2.4	10	11	ug/L	82		SW846 8260B
	2.4	10	11	ug/L	85	2.8	SW846 8260B
Chlorobenzene	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.4	ug/L	94	2.1	SW846 8260B
1,1-Dichloroethene	ND	10	9.6	ug/L	96		SW846 8260B
	ND	10	9.6	ug/L	96	0.34	SW846 8260B
Toluene	3.4	10	12	ug/L	83		SW846 8260B
	3.4	10	12	ug/L	83	0.37	SW846 8260B
Trichloroethene	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	9.4	ug/L	94	0.12	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	95	(61 - 128)
Toluene-d8	98	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	101	(74 - 116)

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/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J7FFG1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A7I220101-019 J7FFG1AD-MSD
 Date Sampled...: 09/21/07 10:27 Date Received...: 09/22/07
 Prep Date.....: 09/26/07 Analysis Date...: 09/26/07
 Prep Batch #....: 7270027
 Dilution Factor: 125

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	103	(78 - 118)			SW846 8260B
	102	(78 - 118)	0.87	(0-20)	SW846 8260B
Chlorobenzene	105	(76 - 117)			SW846 8260B
	101	(76 - 117)	3.4	(0-20)	SW846 8260B
1,1-Dichloroethene	100	(62 - 130)			SW846 8260B
	101	(62 - 130)	0.89	(0-20)	SW846 8260B
Toluene	111	(70 - 119)			SW846 8260B
	108	(70 - 119)	2.9	(0-20)	SW846 8260B
Trichloroethene	102	(62 - 130)			SW846 8260B
	101	(62 - 130)	0.95	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	101	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	106	(74 - 116)

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7I13206 Work Order #....: J7FFG1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A7I220101-019 J7FFG1AD-MSD
 Date Sampled...: 09/21/07 10:27 Date Received...: 09/22/07
 Prep Date.....: 09/26/07 Analysis Date...: 09/26/07
 Prep Batch #...: 7270027
 Dilution Factor: 125

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	1200	1300	ug/L	103		SW846 8260B
	ND	1200	1300	ug/L	102	0.87	SW846 8260B
Chlorobenzene	ND	1200	1300	ug/L	105		SW846 8260B
	ND	1200	1300	ug/L	101	3.4	SW846 8260B
1,1-Dichloroethene	ND	1200	1200	ug/L	100		SW846 8260B
	ND	1200	1300	ug/L	101	0.89	SW846 8260B
Toluene	82	1200	1500	ug/L	111		SW846 8260B
	82	1200	1400	ug/L	108	2.9	SW846 8260B
Trichloroethene	ND	1200	1300	ug/L	102		SW846 8260B
	ND	1200	1300	ug/L	101	0.95	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	101	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	106	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: 7I13206 Work Order #....: J6QGX1AF-MS Matrix.....: WG
 MS Lot-Sample #: A7I130206-006 J6QGX1AG-MSD
 Date Sampled....: 09/11/07 14:15 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7261117
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	175 a	(63 - 143)			SW846 8015B
	146 a	(63 - 143)	17	(0-20)	SW846 8015B
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS	
Trifluorotoluene		94		(10 - 150)	
		92		(10 - 150)	

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 Volatiles

Client Lot #....: 7I13206 Work Order #....: J6QGX1AF-MS Matrix.....: WG
 MS Lot-Sample #: A7I130206-006 J6QGX1AG-MSD
 Date Sampled...: 09/11/07 14:15 Date Received...: 09/13/07
 Prep Date.....: 09/18/07 Analysis Date...: 09/18/07
 Prep Batch #....: 7261117
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	42	400	740	ug/L	175 a		SW846 8015B
	42	400	630	ug/L	146 a	17	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	94	(10 - 150)
	92	(10 - 150)

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 Volatiles

Client Lot #...: 7I13206 Work Order #...: J60AP1AD-MS Matrix.....: WG
 MS Lot-Sample #: A7I150183-013 J60AP1AE-MSD
 Date Sampled...: 09/14/07 08:55 Date Received...: 09/15/07
 Prep Date.....: 09/20/07 Analysis Date...: 09/20/07
 Prep Batch #...: 7263074
 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)	79	(63 - 143)			SW846 8015B
	80	(63 - 143)	0.98	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	85	(10 - 150)
	85	(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 #....: 7I13206 Work Order #....: J60AP1AD-MS Matrix.....: WG
 MS Lot-Sample #: A7I150183-013 J60AP1AE-MSD
 Date Sampled....: 09/14/07 08:55 Date Received...: 09/15/07
 Prep Date.....: 09/20/07 Analysis Date...: 09/20/07
 Prep Batch #....: 7263074
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	ND	200	180	ug/L	79		SW846 8015B
	ND	200	180	ug/L	80	0.98	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	85	(10 - 150)
	85	(10 - 150)

NOTE(S):

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

Bold print denotes control parameters

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: Susan Scrochi
Address: 8415 W. 84th Street	Copy To: Phil Harvey
Chicago, IL 60631	Invoice To:
Phone: 773-380-4933	P.O.:
Fax:	Project Name: GM Fairfax
E-mail:	Project Number: 12589

PAGE 1 OF 2

Laboratory: STL (Test America)
Laboratory Location: North Canton, OH
Laboratory Contact:
Requested Due Date:
QA/QC Requirements:
TAT: Standard

ID # Nº 00800
SSOW Ref. Code: 0915007

Sample Identification:

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
GW-091107-NT-001	-002	-003	-004	-005	-006	-007	-008	-009	GW-091207-NT-010	-011	-012	-013	-014	-015
Matrix Code	W6	911107	1005	5	5	5	5	5	911207	0905	5	5	5	5
Date Collected	10/11/07	10/11/07	10/11/07	10/11/07	10/11/07	10/11/07	10/11/07	10/11/07	10/12/07	10/12/07	10/12/07	10/12/07	10/12/07	10/12/07
Time Collected	1045	1130	1140	1215	1415	1510	1540	1625	0905	0915	0945	1030	1130	1330
# Containers	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Unpreserved	5	5	5	5	5	5	5	5	5	5	5	5	5	5
HCl	5	5	5	5	5	5	5	5	5	5	5	5	5	5
H2SO4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
HNO3	5	5	5	5	5	5	5	5	5	5	5	5	5	5
NaOH	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Other:	5	5	5	5	5	5	5	5	5	5	5	5	5	5
VOCs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TPH-GRO	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Analysis and Method														
Remarks/Lab ID														

SHIPMENT METHOD	NO. OF COOLERS
Priority Overnight	2
AIRBILL NO.	

RELINQUISHED BY / AFFILIATION	DATE	TIME
Nicole Taylor / CPA	9/12/07	1800

RECEIVED BY / AFFILIATION	DATE	TIME
Phil Harvey / JRC	9/12/07	930

Sampler Name:	Nicole Taylor
Sampler Signature:	Nicole Taylor
Date:	9/12/07

Additional Comments:

Distribution: WHITE - Fully Executed Copy YELLOW - Working Copy ORANGE - Review

The Chain-of-Custody is a LEGAL DOCUMENT. All evidence must be properly documented and stored separately.

PAGE 3 OF 20

Laboratory:	Test America
Laboratory Location:	North Canton, OH
Laboratory Contact:	
Requested Due Date:	
QA/QC Requirements:	TAT: Standard

ID # N₂ 00707

Remarks/Lab ID

[illegible]

Sample Condition	
0	

[illegible]

Received on Ice	Y / N
Scaled Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Nicole Taylor
Sampler Signature: [Signature]
Date: 9/1/2015

TestAmerica Cooler Receipt Form/Narrative

Lot Number: 17130286

Client: CRA CHICAGO

Project: GM FAX

Quote#:

Cooler Received on: 13 SEPT 2007

Opened on: 13 SEPT 2007

By:

(Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐

DHL ☐ FAS ☐ TestAmerica Courier ☐

Stetson ☐ US Cargo ☐

Other:

TestAmerica Cooler No# BACK

Foam Box ☐

Client Cooler ☐

Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒

Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity

Were the custody seals signed and dated?

2. Shipper's packing slip attached to this form?

Yes ☐ No ☐ NA ☒

3. Did custody papers accompany the samples? Yes ☒ No ☐

Yes ☒ No ☐ NA ☐

4. Did you sign the custody papers in the appropriate place?

Relinquished by client? Yes ☒ No ☐

5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐

Yes ☒ No ☐

6. Cooler temperature upon receipt BACK °C (see back of form for multiple coolers/temp)

Other: PLASTIC BAG

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 and/or tags be reconciled with the COC?

Yes ☒ No ☐

9. Were samples at the correct pH upon receipt?

Yes ☐ No ☐ NA ☒

10. Were correct bottles used for the tests indicated?

Yes ☒ No ☐ NA ☐

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? Yes ☒ No ☐

Were VOAs on the COC? Yes ☒ No ☐

Contacted PM DDH Date: 9/13 by: COM

via Voice Mail ☐ Verbal ☒ Other ☐

Concerning:

all below

1. CHAIN OF CUSTODY

The following discrepancies occurred:

HIGH TEMP (COOLER K905), COOLANT OF WATER
BELOW SAMPLES.
RECEIVED 2x40ml TRIP BLANKS NOT ON COC.
WITH LOGDOC.

2. SAMPLE CONDITION

Sample(s)

were received after the recommended holding time had expired.

Sample(s)

were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s)

were further preserved in sample receiving to meet

recommended pH level(s). Nitric Acid Lot #042607-HNO3 - Sulfuric Acid Lot # 092006-H2SO4, Sodium Hydroxide Lot #

122805 -NaOH; Hydrochloric Acid Lot # 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot # 050205-CH3COO2ZN/NaOH

Sample(s)

were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

RECEIVED 1x40ml (006) EMPTY. Sufficient volume to
run NaOH analysis requested

Client ID

pH

Date

Initials

[illegible]

On completion of the form, the user must print the name of the person completing the form and sign it. The form must be submitted to the appropriate authority for review and approval.

Laboratory:	Test America
Laboratory Location:	North Canton, OH
Laboratory Contact:	
Requested Due Date:	TAT: 2 WKS
QA/QC Requirements:	

ID #	Nº 00708
SSOW Ref. Code:	E095007

SSOW Ref. Code: E095007

Canton

a North Canton

Sampler Name: Nicole Taylor
Sampler Signature: *Nicole Taylor* Date: 9/14/17

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

Laboratory: Test America.
Laboratory Location: N. Canton, OH
Laboratory Contact:
Requested Due Date:
QA/QC Requirements:
TAT: 2 wks

PAGE 3 OF 3

ID# N: 00757

SSOW Ref. Code:
E095007

Sample Identification:

Valid Matrix Code
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:	

VDCs
PH-GRD

Remarks/Lab IDTOTAL NUMBER OF CONTAINERS..

Sample Condition

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

Additional Comments:

Sampler Name:

Sampler Signature:

Date

Sampler Signature: Nicole Taylor Date: 9/11/09

Lot Number: A7E150183

Quote#: 68187

By: 122

(Signature)

Other: _____

Other

- Concerning: _____
1. CHAIN OF CUSTODY

The following discrepancies occurred:

Sample(s)	were received in a broken container.
------------------	--------------------------------------

Sample(s)	were received with bubble > 6 mm in diameter (cc: PM)
-----------	---

Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

[illegible]

Discrepancies Cont'd

TestAmerica North Canton

END OF REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. 12559

GM FAIRFAX SSOW# E095007

Lot #: A7I180103

Susan Scrocchi

Conestoga Rovers & Assoc
2371 George Urban Blvd
Depew, NY 14043

TESTAMERICA LABORATORIES, INC.



Denise D. Heckler
Project Manager

September 27, 2007

TestAmerica North Canton

4101 Shuffel Street NW North Canton, OH 44720 tel 330.497.9396 fax 330.497.0722 www.testamericainc.com

CASE NARRATIVE

A7I180103

The following report contains the analytical results for one water sample submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GM Fairfax SSOW# E095007 Site, project number 12559. The sample was received September 15, 2007, according to documented sample acceptance procedures.

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

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

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

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

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

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 32.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.1°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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.

Sample(s) GW-091307-NT-026 had elevated reporting limits due to TICs.

PURGEABLE PETROLEUM HYDROCARBONS-8015

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

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) 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.

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 (formerly STL 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 North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP (#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

N:\QAQC\Customer Service\Narrative - Combined RCRA_CWA 061807.doc

EXECUTIVE SUMMARY - Detection Highlights

A7I180103

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
GW-091307-NT-026 09/13/07 14:55 001				
TPH (as Gasoline)	650	500	ug/L	SW846 8015B
Benzene	4.9 J	14	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A7I180103

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B

References:

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

SAMPLE SUMMARY

A7I180103

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J62WT	001	GW-091307-NT-026	09/13/07	14:55

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: GW-091307-NT-026

GC/MS Volatiles

Lot-Sample #....: A7I180103-001 Work Order #....: J62WT1AA Matrix.....: WG
 Date Sampled....: 09/13/07 14:55 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7269122
 Dilution Factor: 14.29 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	140	ug/L	16
Benzene	4.9 J	14	ug/L	1.9
Bromodichloromethane	ND	14	ug/L	2.1
Bromoform	ND	14	ug/L	9.1
Bromomethane	ND	14	ug/L	5.9
2-Butanone	ND	140	ug/L	8.1
Carbon disulfide	ND	14	ug/L	1.9
Carbon tetrachloride	ND	14	ug/L	1.9
Chlorobenzene	ND	14	ug/L	2.1
Chloroethane	ND	14	ug/L	4.1
Chloroform	ND	14	ug/L	2.3
Chloromethane	ND	14	ug/L	4.3
Dibromochloromethane	ND	14	ug/L	2.6
1,1-Dichloroethane	ND	14	ug/L	2.1
1,2-Dichloroethane	ND	14	ug/L	3.1
1,1-Dichloroethene	ND	14	ug/L	2.7
cis-1,2-Dichloroethene	ND	7.1	ug/L	2.4
trans-1,2-Dichloroethene	ND	7.1	ug/L	2.7
1,2-Dichloropropane	ND	14	ug/L	2.6
cis-1,3-Dichloropropene	ND	14	ug/L	2.0
trans-1,3-Dichloropropene	ND	14	ug/L	2.7
Ethylbenzene	ND	14	ug/L	2.4
2-Hexanone	ND	140	ug/L	5.9
Methylene chloride	ND	14	ug/L	4.7
4-Methyl-2-pentanone	ND	140	ug/L	4.6
Styrene	ND	14	ug/L	1.6
1,1,2,2-Tetrachloroethane	ND	14	ug/L	2.6
Tetrachloroethene	ND	14	ug/L	4.1
Toluene	ND	14	ug/L	1.9
1,1,1-Trichloroethane	ND	14	ug/L	3.1
1,1,2-Trichloroethane	ND	14	ug/L	3.9
Trichloroethene	ND	14	ug/L	2.4
Vinyl chloride	ND	14	ug/L	3.1
Xylenes (total)	ND	14	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-026

GC/MS Volatiles

Lot-Sample #....: A7I180103-001 Work Order #....: J62WT1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to dilution for TICs.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-091307-NT-026

GC Volatiles

Lot-Sample #....: A7I180103-001 Work Order #....: J62WT1AC Matrix.....: WG
Date Sampled....: 09/13/07 14:55 Date Received...: 09/15/07
Prep Date.....: 09/20/07 Analysis Date...: 09/20/07
Prep Batch #....: 7263074
Dilution Factor: 5 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
TPH (as Gasoline)	650	500	ug/L	140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	79	(10 - 150)

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7I180103
MB Lot-Sample #: A7I260000-122

Work Order #...: J7MPD1AA

Matrix.....: WATER

Analysis Date...: 09/25/07
Dilution Factor: 1

Prep Date.....: 09/25/07

Prep Batch #...: 7269122

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
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	92	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: A7I180103

Work Order #....: J7MPD1AA

Matrix.....: WATER

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: A7I180103 Work Order #...: J68GV1AA Matrix.....: WATER
 MB Lot-Sample #: A7I200000-074
 Analysis Date...: 09/19/07 Prep Date.....: 09/19/07
 Dilution Factor: 1 Prep Batch #...: 7263074

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

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	84	(10 - 150)

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 #....: A7I180103 Work Order #....: J7MPD1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I260000-122 J7MPD1AD-LCSD
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7269122
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	94	(80 - 116)			SW846 8260B
	96	(80 - 116)	2.3	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 117)			SW846 8260B
	96	(76 - 117)	2.5	(0-20)	SW846 8260B
1,1-Dichloroethene	83	(63 - 130)			SW846 8260B
	87	(63 - 130)	4.4	(0-20)	SW846 8260B
Toluene	103	(74 - 119)			SW846 8260B
	105	(74 - 119)	2.4	(0-20)	SW846 8260B
Trichloroethene	87	(75 - 122)			SW846 8260B
	89	(75 - 122)	3.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	93	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	99	(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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7I180103 Work Order #...: J7MPD1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I260000-122 J7MPD1AD-LCSD
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #...: 7269122
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10	9.4	ug/L	94		SW846 8260B
	10	9.6	ug/L	96	2.3	SW846 8260B
Chlorobenzene	10	9.4	ug/L	94		SW846 8260B
	10	9.6	ug/L	96	2.5	SW846 8260B
1,1-Dichloroethene	10	8.3	ug/L	83		SW846 8260B
	10	8.7	ug/L	87	4.4	SW846 8260B
Toluene	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	105	2.4	SW846 8260B
Trichloroethene	10	8.7	ug/L	87		SW846 8260B
	10	8.9	ug/L	89	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	93	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	99	(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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: A7I180103 Work Order #....: J68GV1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I200000-074 J68GV1AD-LCSD
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263074
 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)	110	(72 - 140)			SW846 8015B
	104	(72 - 140)	6.4	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	87	(10 - 150)
	77	(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 #....: A7I180103 Work Order #....: J68GV1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7I2000000-074 J68GV1AD-LCSD
 Prep Date.....: 09/19/07 Analysis Date...: 09/19/07
 Prep Batch #....: 7263074
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	200	220	ug/L	110		SW846 8015B
	200	210	ug/L	104	6.4	SW846 8015B
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
Trifluorotoluene			87	(10 - 150)		
			77	(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/MS Volatiles

Client Lot #....: A7I180103 Work Order #....: J65XJ1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A7I190136-033 J65XJ1AD-MSD
 Date Sampled....: 09/13/07 16:10 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7269122
 Dilution Factor: 6.67

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	90	(78 - 118)			SW846 8260B
	102	(78 - 118)	12	(0-20)	SW846 8260B
Chlorobenzene	87	(76 - 117)			SW846 8260B
	100	(76 - 117)	14	(0-20)	SW846 8260B
1,1-Dichloroethene	76	(62 - 130)			SW846 8260B
	88	(62 - 130)	14	(0-20)	SW846 8260B
Toluene	101	(70 - 119)			SW846 8260B
	115	(70 - 119)	8.6	(0-20)	SW846 8260B
Trichloroethene	78	(62 - 130)			SW846 8260B
	91	(62 - 130)	15	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
	91	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
	95	(61 - 128)
Toluene-d8	110	(76 - 110)
	110	(76 - 110)
4-Bromofluorobenzene	97	(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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: A7I180103 Work Order #....: J65XJ1AC-MS Matrix.....: WATER
 MS Lot-Sample #: A7I190136-033 J65XJ1AD-MSD
 Date Sampled....: 09/13/07 16:10 Date Received...: 09/15/07
 Prep Date.....: 09/25/07 Analysis Date...: 09/25/07
 Prep Batch #....: 7269122
 Dilution Factor: 6.67

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	67	60	ug/L	90		SW846 8260B
	ND	67	68	ug/L	102	12	SW846 8260B
Chlorobenzene	ND	67	58	ug/L	87		SW846 8260B
	ND	67	67	ug/L	100	14	SW846 8260B
1,1-Dichloroethene	ND	67	51	ug/L	76		SW846 8260B
	ND	67	59	ug/L	88	14	SW846 8260B
Toluene	29	67	97	ug/L	101		SW846 8260B
	29	67	110	ug/L	115	8.6	SW846 8260B
Trichloroethene	ND	67	52	ug/L	78		SW846 8260B
	ND	67	60	ug/L	91	15	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
	91	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
	95	(61 - 128)
Toluene-d8	110	(76 - 110)
	110	(76 - 110)
4-Bromofluorobenzene	97	(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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: A7I180103 Work Order #....: J60AP1AD-MS Matrix.....: WATER
 MS Lot-Sample #: A7I150183-013 J60AP1AE-MSD
 Date Sampled...: 09/14/07 08:55 Date Received...: 09/15/07
 Prep Date.....: 09/20/07 Analysis Date...: 09/20/07
 Prep Batch #....: 7263074
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	79	(63 - 143)			SW846 8015B
	80	(63 - 143)	0.98	(0-20)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	85	(10 - 150)
	85	(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 #...: A7I180103 Work Order #...: J60AP1AD-MS Matrix.....: WATER
 MS Lot-Sample #: A7I150183-013 J60AP1AE-MSD
 Date Sampled...: 09/14/07 08:55 Date Received...: 09/15/07
 Prep Date.....: 09/20/07 Analysis Date...: 09/20/07
 Prep Batch #...: 7263074
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	ND	200	180	ug/L	79		SW846 8015B
	ND	200	180	ug/L	80	0.98	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	85	(10 - 150)
	85	(10 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

CHAIN-OF-CUSTODY / Analytical Request Document

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

PAGE 1 OF 3

ID # N# 00708

Required Client Information:

Company: CRA	Report To: Susan Scrocchi
Address: 8015 W Bryn Mawr Chicago, IL 60631	Copy To: Phil Harvey
Phone: 773-380-4933	Invoice To:
	P.O.:
	Project Name: GH Fairfax
	Project Number: 13559
Fax:	
E-mail: 98crocchi@cra-world.com	

Laboratory: TEST America
Laboratory Location: North Canton, OH
Laboratory Contact:
Requested Due Date:
QA/QC Requirements:
TAT: 2 WKS

SSOW Ref. Code: E095007

Analysis and Method

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:			
1. GW-091307-NT-021	-022	W6	9/13/07	0830	5	5						X	VOCs	
2. GW-091307-NT-021	-022	W6	9/13/07	0935	5	5						X	TPH-GRO	
3. GW-091307-NT-023	-023			1120	5	5						X		
4. GW-091307-NT-024	-024			1150	5	5						X		
5. GW-091307-NT-025	-025			1230	5	5						X		
6. GW-091307-NT-026	-026			1355	5	5						X		
7. GW-091307-NT-027	-027			1535	5	5						X		
8. GW-091307-NT-028	-028			1605	5	5						X		
9. GW-091307-NT-029	-029			1630	5	5						X		
10. GW-091307-NT-030	-030			1715	5	5						X		
11. GW-091307-NT-031	-031			1740	5	5						X		
12. Trip Blank 3		WG	9/14/07	0800	1	1						X		
13. GW-091407-NT-032	-032	WG		0855	5	5						X		
14. GW-091407-NT-033	-033	WG		0920	5	5						X		
15. GW-091407-NT-034	-034	WG		1000	5	5						X		

Noticable Sheen

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Priority Overnight	1	Nicole Taylor / CRA	9/14/07	1400	A. S. S. S.	9/15/07	0930
AIRBILL NO.							

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

Additional Comments:

Sampler Name:	Nicole Taylor
Sampler Signature:	Nicole Taylor
Date:	9/14/07

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

PAGE 2 OF 2

ID# N: 00757

Analysis and Method

Sample Identification:

Matrix CodeDate CollectedTime Collected# Containers

Unpreserved

HCl. H_2SO_4

HNO₃

 NaOH

Other:

VOCs

TPH-GRD

Remarks/Lab IDTOTAL NUMBER OF CONTAINERS

Sample Condition

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

Additional Comments:

Sampler Name:

Sampler Signature:

Data

Sampler Name: Nicole Taylor
Sampler Signature: Nicole Taylor Date: 9/14/16

Lot Number: A7E150183

TestAmerica Cooler No# 1225 Foam Box ☐ Client Cooler ☐ Other ☐ Yes ☐ No ☐ NA ☒

- ### 1. CHAIN OF CUSTODY

2. SAMPLE CONDITION

3. SAMPLE PRESERVATION

4. Other (see below or back)

[illegible]

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

Fdx.

R-mail: **257**

Report To: Susan Sore

--

ISSOW Ref. Code

15.	A	A	C
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TPH-GR

Analysis and Method

Remarks/Lab ID

Notable Street

TOTAL NUMBER OF CONTAINERS

AIRBILL NO.

Demerol Control	1 / 1
Samples Intact	Y / N

Wesley Cason 9/14/57

Distribution: WHITE - Fully Execured Copy YELLOW - Receivine Laboratory Copy PINK - Sammlar Copy

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

PAGE 2 OF 6

ID# 156 0777

Sample Identification:

Matrix CodeDate Collected _____Time Collected# ContainersUnpreservedHCl H_2SO_4

HNO₃

 NaOH

Other:

✓

PH-GRO

Remarks/Lab ID[illegible]

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Priority Overnight	1	Nicole Taylor / CCA	2/14/07	1430	Nicole Taylor	2/15/07	0730

Sample Condition

Temp in °C	

Additional Comments:

Sampler Name:

Sealed Cooler	Y / N
Samples Intact	Y / N

Sampler Signature

Date: 1/

Lot Number: ~~A7I150183~~
A7I180103

TestAmerica Cooler No# L225 Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
If YES, Quantity _____
Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other: _____
6. Cooler temperature upon receipt 3.1 °C (see back of form for multiple coolers/temp)
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 and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottles used for the tests 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? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐
Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning: _____

The following discrepancies occurred:

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot #042607-HNO₃ - Sulfuric Acid Lot # 092006-H₂SO₄; Sodium Hydroxide Lot # 122805 -NaOH; Hydrochloric Acid Lot # 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot # 050205-CH₃COO₂ZN/NaOH
Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
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TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

[illegible]

Discrepancies Cont'd

END OF REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. 012559-05-202040

GM FAIRFAX SSOW# E095007

Lot #: A7K020183

Susan Scrocchi

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

TESTAMERICA LABORATORIES, INC.



Denise D. Heckler
Project Manager

November 16, 2007

CASE NARRATIVE

7K02183

The following report contains the analytical results for one water sample and one quality control sample submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GM FAIRFAX SSOW# E095007 Site, project number 012559-05-202040. The samples were received November 02, 2007, according to documented sample acceptance procedures.

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

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

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

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

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

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 29.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 2.8 and 4.2°C.

See TestAmerica's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

PURGEABLE PETROLEUM HYDROCARBONS-8015

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

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) 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.

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 (formerly STL 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 North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP
(#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

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EXECUTIVE SUMMARY - Detection Highlights

7K02183 : A7K020183

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
WG-110107-JH-001 11/01/07 11:40 001				
Acetone	1.3 J,B	10	ug/L	SW846 8260B
Bromodichloromethane	0.17 J	1.0	ug/L	SW846 8260B
Chloroform	0.33 J	1.0	ug/L	SW846 8260B
TRIP BLANK 11/01/07 002				
Acetone	3.5 J,B	10	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

7K02183

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B

References:

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

SAMPLE SUMMARY

7K02183 : A7K020183

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KAEN1	001	WG-110107-JH-001	11/01/07	11:40
KAEN7	002	TRIP BLANK	11/01/07	

NOTE (S) :

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-110107-JH-001

GC/MS Volatiles

Lot-Sample #....: A7K020183-001 Work Order #....: KAEN11AA Matrix.....: WG
 Date Sampled....: 11/01/07 11:40 Date Received...: 11/02/07
 Prep Date.....: 11/10/07 Analysis Date...: 11/10/07
 Prep Batch #....: 7316059
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	1.3 J,B	10	ug/L	1.1
Benzene	ND	1.0	ug/L	0.13
Bromodichloromethane	0.17 J	1.0	ug/L	0.15
Bromoform	ND	1.0	ug/L	0.64
Bromomethane	ND	1.0	ug/L	0.41
2-Butanone	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	0.33 J	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	97	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	84	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-110107-JH-001

GC/MS Volatiles

Lot-Sample #...: A7K020183-001 Work Order #...: KAEN11AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: WG-110107-JH-001

GC Volatiles

Lot-Sample #....: A7K020183-001 Work Order #....: KAEN11AC Matrix.....: WG
Date Sampled....: 11/01/07 11:40 Date Received...: 11/02/07
Prep Date.....: 11/05/07 Analysis Date...: 11/05/07
Prep Batch #....: 7309614
Dilution Factor: 1 Method.....: SW846 8015B

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

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Trifluorotoluene	98	(10 - 150)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: A7K020183-002 Work Order #....: KAEN71AA Matrix.....: WQ
 Date Sampled....: 11/01/07 Date Received...: 11/02/07
 Prep Date.....: 11/10/07 Analysis Date...: 11/10/07
 Prep Batch #....: 7316059
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	3.5 J,B	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	100	(73 - 122)		
1,2-Dichloroethane-d4	105	(61 - 128)		
Toluene-d8	84	(76 - 110)		
4-Bromofluorobenzene	78	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7K020183-002 Work Order #...: KAEN71AA Matrix.....: WQ

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.

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7K02183
MB Lot-Sample #: A7K120000-059

Work Order #....: KA2LC1AA

Matrix.....: WATER

Analysis Date...: 11/10/07
Dilution Factor: 1

Prep Date.....: 11/10/07

Prep Batch #....: 7316059

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	1.2 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	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	95	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	85	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 7K02183

Work Order #...: KA2LC1AA

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

GC Volatiles

Client Lot #....: 7K02183 Work Order #....: KAKFA1AA Matrix.....: WATER
 MB Lot-Sample #: A7K050000-614
 Analysis Date...: 11/05/07 Prep Date.....: 11/05/07
 Dilution Factor: 1 Prep Batch #....: 7309614

<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	96	(10 - 150)

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 #....: 7K02183 Work Order #....: KA2LC1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7K120000-059 KA2LC1AD-LCSD
 Prep Date.....: 11/10/07 Analysis Date...: 11/10/07
 Prep Batch #....: 7316059
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	90	(80 - 116)			SW846 8260B
	92	(80 - 116)	2.8	(0-20)	SW846 8260B
Chlorobenzene	92	(76 - 117)			SW846 8260B
	93	(76 - 117)	2.1	(0-20)	SW846 8260B
1,1-Dichloroethene	90	(63 - 130)			SW846 8260B
	94	(63 - 130)	4.9	(0-20)	SW846 8260B
Toluene	89	(74 - 119)			SW846 8260B
	92	(74 - 119)	2.9	(0-20)	SW846 8260B
Trichloroethene	93	(75 - 122)			SW846 8260B
	94	(75 - 122)	1.3	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	97	(61 - 128)
Toluene-d8	91	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	91	(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 #....: 7K02183 Work Order #....: KA2LC1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7K120000-059 KA2LC1AD-LCSD
 Prep Date.....: 11/10/07 Analysis Date...: 11/10/07
 Prep Batch #....: 7316059
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10	9.0	ug/L	90		SW846 8260B
	10	9.2	ug/L	92	2.8	SW846 8260B
Chlorobenzene	10	9.2	ug/L	92		SW846 8260B
	10	9.3	ug/L	93	2.1	SW846 8260B
1,1-Dichloroethene	10	9.0	ug/L	90		SW846 8260B
	10	9.4	ug/L	94	4.9	SW846 8260B
Toluene	10	8.9	ug/L	89		SW846 8260B
	10	9.2	ug/L	92	2.9	SW846 8260B
Trichloroethene	10	9.3	ug/L	93		SW846 8260B
	10	9.4	ug/L	94	1.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	97	(61 - 128)
Toluene-d8	91	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	91	(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 Volatiles

Client Lot #....: 7K02183 Work Order #....: KAKFA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7K050000-614 KAKFA1AD-LCSD
 Prep Date.....: 11/05/07 Analysis Date...: 11/05/07
 Prep Batch #....: 7309614
 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)	119	(72 - 140)			SW846 8015B
	117	(72 - 140)	1.6	(0-20)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Trifluorotoluene	100	(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 #....: 7K02183 Work Order #....: KAKFA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A7K050000-614 KAKFA1AD-LCSD
 Prep Date.....: 11/05/07 Analysis Date...: 11/05/07
 Prep Batch #....: 7309614
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	200	240	ug/L	119		SW846 8015B
	200	230	ug/L	117	1.6	SW846 8015B
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
Trifluorotoluene			100	(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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: 7K02183 Work Order #....: KAD821AN-MS Matrix.....: WATER
 MS Lot-Sample #: A7K020137-001 KAD821AP-MSD
 Date Sampled...: 11/01/07 10:30 Date Received...: 11/02/07
 Prep Date.....: 11/10/07 Analysis Date...: 11/10/07
 Prep Batch #....: 7316059
 Dilution Factor: 40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	84	(78 - 118)			SW846 8260B
	93	(78 - 118)	9.9	(0-20)	SW846 8260B
Chlorobenzene	82	(76 - 117)			SW846 8260B
	91	(76 - 117)	10	(0-20)	SW846 8260B
1,1-Dichloroethene	87	(62 - 130)			SW846 8260B
	91	(62 - 130)	4.1	(0-20)	SW846 8260B
Toluene	81	(70 - 119)			SW846 8260B
	90	(70 - 119)	11	(0-20)	SW846 8260B
Trichloroethene	85	(62 - 130)			SW846 8260B
	93	(62 - 130)	5.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	94	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	98	(61 - 128)
Toluene-d8	91	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	91	(74 - 116)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: 7K02183 Work Order #....: KAD821AN-MS Matrix.....: WATER
 MS Lot-Sample #: A7K020137-001 KAD821AP-MSD
 Date Sampled...: 11/01/07 10:30 Date Received...: 11/02/07
 Prep Date.....: 11/10/07 Analysis Date...: 11/10/07
 Prep Batch #....: 7316059
 Dilution Factor: 40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	400	340	ug/L	84		SW846 8260B
	ND	400	370	ug/L	93	9.9	SW846 8260B
Chlorobenzene	ND	400	330	ug/L	82		SW846 8260B
	ND	400	370	ug/L	91	10	SW846 8260B
1,1-Dichloroethene	57	400	410	ug/L	87		SW846 8260B
	57	400	420	ug/L	91	4.1	SW846 8260B
Toluene	ND	400	320	ug/L	81		SW846 8260B
	ND	400	360	ug/L	90	11	SW846 8260B
Trichloroethene	160	400	510	ug/L	85		SW846 8260B
	160	400	540	ug/L	93	5.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	94	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	98	(61 - 128)
Toluene-d8	91	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	91	(74 - 116)

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 #....: 7K02183 Work Order #....: KAEFM1AX-MS Matrix.....: WATER
 MS Lot-Sample #: A7K020153-001 KAEFM1A0-MSD
 Date Sampled...: 11/01/07 11:30 Date Received...: 11/02/07
 Prep Date.....: 11/05/07 Analysis Date...: 11/05/07
 Prep Batch #....: 7309614
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	92	(63 - 143)			SW846 8015B
	97	(63 - 143)	4.3	(0-20)	SW846 8015B
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS	
Trifluorotoluene		100		(10 - 150)	
		104		(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 #....: 7K02183 Work Order #....: KAEFM1AX-MS Matrix.....: WATER
 MS Lot-Sample #: A7K020153-001 KAEFM1A0-MSD
 Date Sampled...: 11/01/07 11:30 Date Received...: 11/02/07
 Prep Date.....: 11/05/07 Analysis Date...: 11/05/07
 Prep Batch #....: 7309614
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	ND	200	210	ug/L	92		SW846 8015B
	ND	200	210	ug/L	97	4.3	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	100	(10 - 150)
	104	(10 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

TestAmerica Cooler Receipt Form/Narrative North Canton Facility

Lot Number: A7K020K3

Client CRA DEFEW

Project GM Fairfax

Quote # 608187

Cooler Received on 2 NOV 2007

Opened on 2 NOV 2007

By [Signature]

FedEx ☒ Client Drop Off ☐ UPS ☐

DHL ☐ FAS ☐ TestAmerica Courier ☐

Stetson ☐ US Cargo ☐

Other _____

TestAmerica Cooler # BACK

Foam Box ☐

Client Cooler ☐

Other _____

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐

Intact? Yes ☒ No ☐ NA ☐

If YES, Quantity FOUR

Were custody seals on the outside of cooler signed and dated? Yes ☒ No ☐ NA ☐

Were custody seals on the bottles? Yes ☐ No ☒

If YES, are there any exceptions _____

2. Shipper's packing slip attached to this form? Yes ☒ No ☐

Yes ☒ No ☐

3. Did custody papers accompany the sample(s)? Yes ☒ No ☐

Relinquished by client? Yes ☒ No ☐

4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐

Yes ☒ No ☐

5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐

Other PLASTIC / BAG ICE

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 ☐

Yes ☒ No ☐

8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐

Yes ☒ No ☐

9. Were samples at the correct pH upon receipt? Yes ☒ No ☐

Yes ☒ No ☐

10. Were correct bottles used for the tests indicated? Yes ☒ No ☐

Yes ☒ No ☐

11. Were air bubbles >6 mm in any VOA vials? Yes ☒ No ☐

Yes ☒ No ☐

12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

Yes ☒ No ☐

13. Was a Trip Blank present in the cooler? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM TDH Date 2 NOV 2007 by MAF via Voice Mail ☐ Verbal ☒ Other ☐

Concerning AS BELOW

14. CHAIN OF CUSTODY

The following discrepancies occurred:

NO DATE FOR TRIP BLANK ON LABEL OR COC,
will LOG PER DATE OF PREVIOUS
SAMPLE 11/1/07

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot #071707-HNO₃ - Sulfuric Acid Lot # 092006-H₂SO₄; Sodium Hydroxide Lot # 122805 -NaOH; Hydrochloric Acid Lot # 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot # 050205-CH₃COO₂ZN/NaOH
What time was preservative added to sample(s)? _____

Sample(s) _____ were received with bubble > 6 mm in diameter (Notify PM)

Client ID	pH	Date	Initials
<u>MAF-003</u>	<u>>9 >12</u>	<u>2 NOV 2007</u>	<u>MAF</u>

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

[illegible][illegible]

END OF REPORT

