



**CONESTOGA-ROVERS
& ASSOCIATES**

8615 W. Bryn Mawr Avenue, Chicago, Illinois 60631-3501
Telephone: 773-380-9933 Facsimile: 773-380-6421
www.CRAworld.com

September 21, 2006

Reference No. 012559-51

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

Dear Ms. Price:

Re: June 2006 Supplemental Confirmation Sampling Results
Voluntary Cleanup Investigation
Former GM Fairfax I Plant Site
Kansas City, Kansas

This letter is in response to Kansas Department of Health & Environment (KDHE) letter of November 21, 2005 (KDHE correspondence) to General Motors Corporation (GM). In this letter, KDHE approved Conestoga Rovers and Associates (CRA) Supplemental Confirmation Sampling Work Plan dated October 13, 2005 (work plan). This letter will provide groundwater analytical results and field data generated in June 2006 as part of this same work plan.

1.0 INVESTIGATION RESULTS

Groundwater Elevation Data

On June 26, 2006, groundwater elevation measurements were made at monitoring wells MW-1, MW-1A, MW-1B, MW-1C, MW-102A, MW-102B, MW-102C, MW-103A, MW-103B, MW-103C, MW-104, MW-105, MW-108 through MW-110, MW-110A, MW-115A, MW-116A/B through MW-119A/B, MW-121A/B, and MW-160A. The groundwater elevation measurements indicate that groundwater flow at the Site is towards the south/southeast. Groundwater flow direction, however, is seasonal, and is influenced by the amount of precipitation that has occurred as well as the elevation of the water in the Missouri River. Consequently, groundwater flow directions at the Site in June 2006 are different than from those measured previously in January 2006.

Groundwater elevation data is provided in Table 1 and a groundwater contour map is provided on Figure 1.

Groundwater Analytical Data

Between June 26, and June 27, 2006, groundwater samples were collected from wells MW-102A, MW-104, MW-105, MW-108, MW-116A/B through MW-119A/B, and MW-121A/B and



**CONESTOGA-ROVERS
& ASSOCIATES**

September 21, 2006

2

Reference No. 012559-51

submitted for laboratory analysis of target compound list volatile organic compounds (TCL-VOCs). Wells MW-102A, MW-104, MW-105, and MW-108 were sampled because previously, these wells were either dry or an insufficient amount of groundwater was present within the well to collect a sample. Wells MW-116 A/B through MW-119 A/B, and MW-121 A/B were sampled because the work plan required a second round of sampling from these new well locations.

Benzene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride were detected in one or more of the samples collected in June 2006. The concentrations of these constituents were however, below Tier 2 groundwater objectives.

A summary of monitoring well purging data is provided in Table 2. Analytes detected in groundwater are provided in Table 3 and Figure 2. A copy of the data validation memorandum is provided in Attachment A, and a copy of the laboratory analytical report is provided in Attachment B.

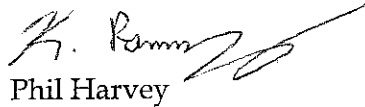
2.0 SUMMARY OF FINDINGS

Groundwater flow measured at the Site in June 2006 is towards the south/southeast. This is consistent with past seasonal fluctuations in groundwater flow measured at the Site.

Groundwater samples collected from MW-102A, MW-104, MW-105, MW-108, MW-116A/B through MW-119A/B, and MW-121A/B were below Tier 2 groundwater objectives for TCL-VOCs. The low detections, below Tier 2 groundwater objectives, is consistent with previous recent sampling events at the Site.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES


for Phil Harvey

PH/ko/3
Attachments

c.c.: Ken Richards, GM (2)
Kevin Brown, GM

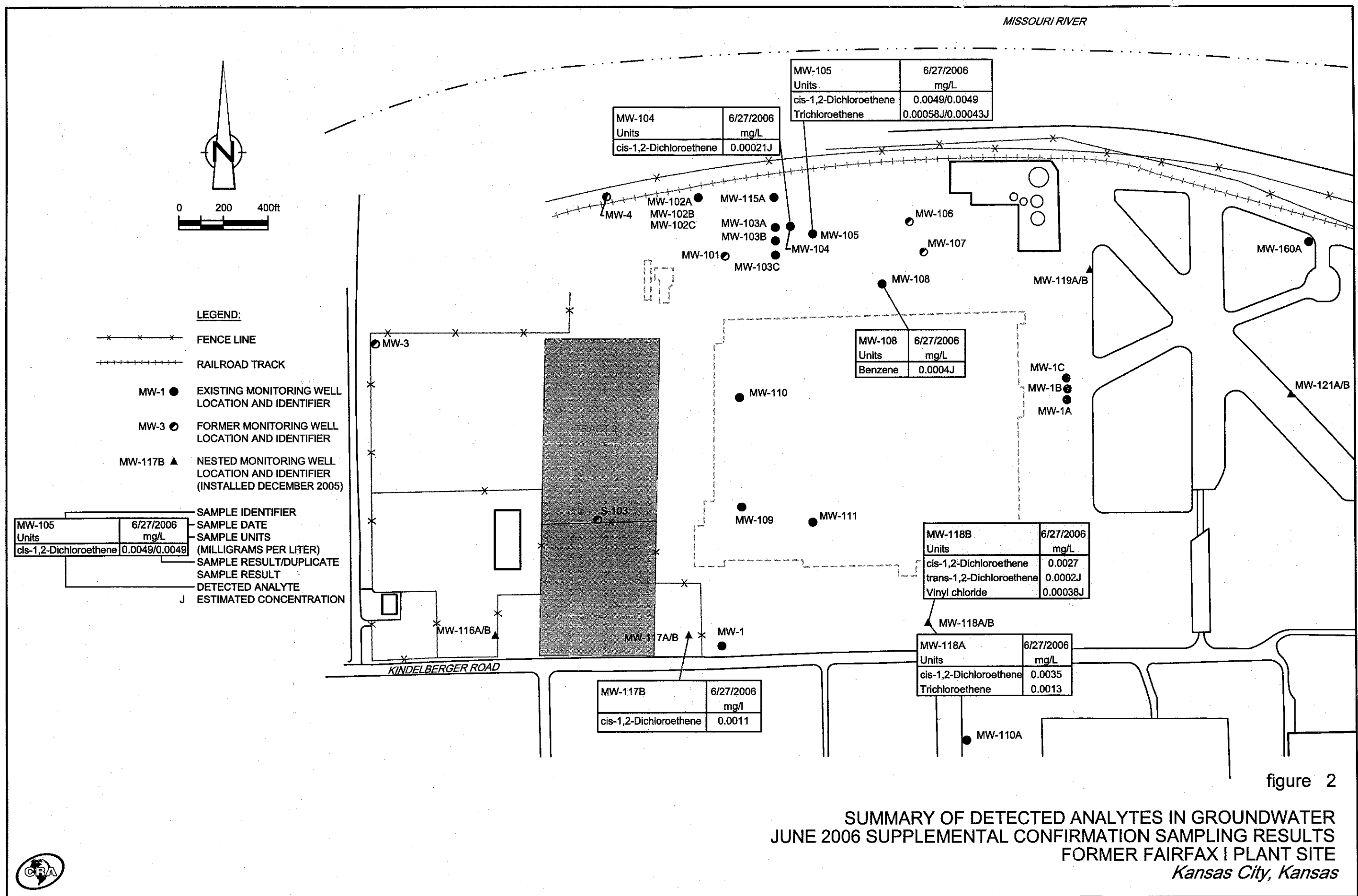


TABLE 1

**GROUNDWATER ELEVATION DATA
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS**

<i>Monitoring Well</i>	<i>Top of Casing Elevation (ft AMSL)¹</i>	<i>June 26, 2006</i>	
		<i>Water Level (ft BTOC)²</i>	<i>Groundwater Elevation (ft AMSL)</i>
MW-1	746.43	27.39	719.04
MW-1A	745.93	26.86	719.07
MW-1B	745.40	26.30	719.10
MW-1C	746.13	27.05	719.08
MW-102A	748.82	28.91	719.91
MW-102B	746.13	29.21	716.92
MW-102C	749.20	29.21	719.99
MW-103A	747.71	27.97	719.74
MW-103B	746.30	26.50	719.80
MW-103C	745.90	26.09	719.81
MW-104	746.51	26.74	719.77
MW-105	746.70	26.96	719.74
MW-108	747.17	27.65	719.52
MW-109	746.11	26.44	719.67
MW-110	745.79	27.52	718.27
MW-110A	743.89	25.61	718.28
MW-111	745.96	NM ³	NM
MW-115A	748.07	28.20	719.87
MW-116A	743.54	24.33	719.21
MW-116B	743.37	24.14	719.23
MW-117A	743.72	24.90	718.82
MW-117B	743.75	24.92	718.83
MW-118A	747.02	29.11	717.91
MW-118B	746.86	28.94	717.92
MW-119A	746.69	27.63	719.06
MW-119B	746.65	27.60	719.05
MW-121A	745.53	26.90	718.63
MW-121B	745.80	27.15	718.65
MW-160A	746.56	27.16	719.40

¹ ft AMSL - feet above mean sea level

² ft BTOC - feet below top of casing

³ NM - well location could not be located during this site visit

TABLE 2

SUMMARY OF MONITORING WELL PURGING DATA
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	Water level (ft btoc) ¹	Well Volume (gallons)	Volume Removed (gallons)	pH (standard units)	Conductivity ($\mu\text{S}/\text{cm}$) ²	Temperature (C°)	Turbidity NTU ³
MW-102A	28.91	0.48	0.5	6.85	876	17.5	43.5
			1.0	6.79	878	16.9	25.2
			1.5	6.80	882	16.7	23.6
MW-104	26.74	0.51	0.6	6.74	1,096	18.2	124.0
			1.2	6.76	1,069	18.1	36.6
			1.8	6.82	1,061	17.6	21.0
MW-105	26.96	0.93	1.0	6.85	1,017	17.3	17.5
			2.0	6.83	1,010	17.2	7.07
			3.0	6.81	1,015	16.8	5.82
MW-108	27.65	0.59	0.60	6.64	983	18.4	47.4
			1.20	6.63	985	18.2	15.1
			1.80	6.69	992	17.8	7.5
MW-116A	24.33	1.60	2.0	6.77	988	19.7	134.0
			4.0	6.75	992	19.5	28.3
			6.0	6.74	995	19.3	7.6
MW-116B	24.14	5.50	6.0	6.81	984	18.5	76.1
			12.0	6.83	956	18.6	38.7
			18.0	6.80	954	18.9	21.6

TABLE 2

SUMMARY OF MONITORING WELL PURGING DATA
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	Water level (ft btoc) ¹	Well Volume (gallons)	Volume Removed (gallons)	pH (standard units)	Conductivity ($\mu\text{S}/\text{cm}$) ²	Temperature (C°)	Turbidity NTU ³
MW-117A	24.90	0.67	1.0 2.0 3.0	6.71 6.74 6.75	971 974 981	18.6 18.6 18.4	17.0 11.0 3.2
MW-117B	24.92	5.49	6.0 12.0 18.0	6.64 6.66 6.67	1,057 1,042 1,043	18.6 18.2 18.2	84.0 22.0 19.0
MW-118A	29.11	0.54	0.6 1.2 1.8	6.77 6.74 6.76	1,048 1,045 1,046	19.3 18.8 18.5	201 53.1 19.7
MW-118B	28.94	5.21	6.0 12.0 18.0	6.71 6.74 6.75	907 901 899	17.80 17.60 17.60	12.40 11.30 10.10
MW-119A	27.63	1.34	1.5 3.0 4.5	6.71 6.73 6.74	921 927 930	18.8 18.1 18.0	>1000 307 82.9
MW-119B	27.60	5.22	6.0 12.0 18.0	7.05 7.12 7.18	787 836 828	18.6 17.9 18.1	377 56.2 13.4

TABLE 2

SUMMARY OF MONITORING WELL PURGING DATA
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Monitoring Well Identification	Water level (ft btoc) ¹	Well Volume (gallons)	Volume Removed (gallons)	pH (standard units)	Conductivity ($\mu\text{S}/\text{cm}$) ²	Temperature (C°)	Turbidity NTU ³
MW-121A	26.90	1.70	24.0	7.14	822	17.8	5.6
			2.0	6.58	1,052	19.2	124
			4.0	6.71	1,056	18.8	35.0
			6.0	6.67	1,055	18.7	26.0
			8.0	6.64	1,046	18.2	16.0
MW-121B	27.15	5.57	6.0	7.22	980	19.7	51.0
			12.0	6.94	948	19.0	12.5
			18.0	6.96	941	18.8	8.8
			24.0	6.98	941	18.7	12.3

¹ ft btoc - feet below top of casing² $\mu\text{S}/\text{cm}$ - microsiemens per centimeter³ NTU - nephelometric turbidity unit

TABLE 3

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Sample Location:

Sample ID:

Sample Date:

MW-102A	MW-104	MW-104	MW-105
GW-062706-JH-014	GW-062706-JH-012	GW-062706-JH-013	GW-062706-JH-009
6/27/2006	6/27/2006	6/27/2006	6/27/2006

Duplicate

Parameters

Units Non-Residential
GW Pathway Scenario
a

Volatile Organic Compounds

Benzene	mg/L ¹	--	--	--
cis-1,2-Dichloroethene	mg/L	--	0.00021 J ²	0.0049
trans-1,2-Dichloroethene	mg/L	--	--	--
Trichloroethene	mg/L	--	--	0.00058 J
Vinyl chloride	mg/L	--	--	--

TABLE 3

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Sample Location:

Sample ID:

Sample Date:

MW-105	MW-108	MW-116A	MW-116B
GW-062706-JH-010	GW-062706-JH-011	GW-062706-JH-008	GW-062706-JH-007
6/27/2006	6/27/2006	6/27/2006	6/27/2006
Duplicate			

Parameters

Units Non-Residential
 GW Pathway Scenario
 ^a

Volatile Organic Compounds

Benzene	mg/L ¹	0.005	--	0.0004 J	--	--
cis-1,2-Dichloroethene	mg/L	0.07	0.0049	--	--	--
trans-1,2-Dichloroethene	mg/L	0.1	--	--	--	--
Trichloroethene	mg/L	0.005	0.00043 J	--	--	--
Vinyl chloride	mg/L	0.002	--	--	--	--

TABLE 3

**SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS**

Sample Location:

Sample ID:

Sample Date:

MW-117A MW-117B MW-118A MW-118B
GW-062706-JH-004 GW-062706-JH-003 GW-062706-JH-006 GW-062706-JH-005
6/27/2006 6/27/2006 6/27/2006 6/27/2006

Parameters

**Units Non-Residential
GW Pathway Scenario**
a

Volatile Organic Compounds

Benzene	mg/L ¹	--	--	--	--
cis-1,2-Dichloroethene	mg/L	--	0.0011	0.0035	0.0027
trans-1,2-Dichloroethene	mg/L	--	--	--	0.0002 J
Trichloroethene	mg/L	--	--	0.0013	--
Vinyl chloride	mg/L	--	--	--	0.00038 J

TABLE 3

SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
JUNE 2006 SUPPLEMENTAL CONFIRMATION SAMPLE RESULTS
FORMER GM FAIRFAX I PLANT SITE
KANSAS CITY, KANSAS

Sample Location:

Sample ID:

Sample Date:

MW-119A	MW-119B	MW-121A	MW-121B
GW-062706-JH-015	GW-062706-JH-016	GW-062606-JH-002	GW-062606-JH-001
6/27/2006	6/27/2006	6/26/2006	6/26/2006

Parameters

Units Non-Residential
GW Pathway Scenario
a

Volatile Organic Compounds

Benzene	mg/L ¹	0.005	--	--	--
cis-1,2-Dichloroethene	mg/L	0.07	--	--	--
trans-1,2-Dichloroethene	mg/L	0.1	--	--	--
Trichloroethene	mg/L	0.005	--	--	--
Vinyl chloride	mg/L	0.002	--	--	--

¹ mg/L - milligrams per kilogram² J - estimated at the associated value

ATTACHMENT A
DATA VALIDATION MEMORANDUM



**CONESTOGA-ROVERS
& ASSOCIATES**

2371 George Van Blvd.
Depew, New York 14043
Telephone: (716) 206-0202 Fax: (716) 206-0201
www.CRAworld.com

MEMORANDUM

TO: Phil Harvey REF. No.: 17307-095001

FROM: Susan C. Scrocchi/jbh/3-NF *SCS/jbh* DATE: July 25, 2006

C.C.: Pat Klick Via E-Mail and U.S. Mail

RE: Data Quality Assessment and Validation
Groundwater Sampling Event - VOCs
GM Fairfax
June 2006

**PREVIOUSLY TRANSMITTED
BY E-MAIL**

The following details a quality assessment and validation of the analytical data resulting from the June 2006, collection of groundwater samples from the General Motors (GM) Fairfax Site in Kansas City, Kansas. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories, Inc. (STL), 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 with 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) 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. Acetone and 4-methyl-2-pentanone were present at low concentrations. All non-detect results and positive results significantly greater than the blanks results would not have been impacted. All sample results with concentrations similar to those in the blanks were qualified as non-detect (see Table 3).

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.

Laboratory Control Sample (LCS)

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 percent recoveries were all within the laboratory control limits indicating acceptable analytical accuracy.

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 quality assurance/quality control consisted of two field duplicate sample sets and a trip blank.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 50 percent for water and 100 percent for soil/sediment. 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 or two times for soil/sediment.

All field duplicate results were acceptable indicating good field and analytical precision.

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

All trip blank results were non-detect for the compounds of interest with the exception of a low concentration of methylene chloride. All associated sample results were non-detect and would not have been impacted.

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
GROUNDWATER SAMPLING EVENT - VOCs
GENERAL MOTORS CORPORATION
FAIRFAX SITE, KANSAS CITY, KANSAS
JUNE 2006

Sample I.D.	Location I.D.	Collection Date (mm/dd/yy)	Collection Time (hr:min)	Analysis/Parameters		Comments
				TCL VOCs		
GW-062606-JH-001	MW-121B	06/26/06	17:45	X		GW-062706-JH-009
GW-062606-JH-002	MW-121A	06/26/06	18:30	X		
GW-062706-JH-003	MW-117B	06/27/06	8:20	X		
GW-062706-JH-004	MW-117A	06/27/06	8:45	X		
GW-062706-JH-005	MW-118B	06/27/06	9:45	X		
GW-062706-JH-006	MW-118A	06/27/06	10:10	X		
GW-062706-JH-007	MW-116B	06/27/06	11:05	X		
GW-062706-JH-008	MW-116A	06/27/06	11:40	X		
GW-062706-JH-009	MW-105	06/27/06	13:00	X		
GW-062706-JH-010	MW-105	06/27/06	13:35	X		
GW-062706-JH-011	MW-108	06/27/06	14:35	X		GW-062706-JH-012
GW-062706-JH-012	MW-104	06/27/06	15:10	X		
GW-062706-JH-013	MW-104	06/27/06	15:30	X		
GW-062706-JH-014	MW-102A	06/27/06	15:55	X		
GW-062706-JH-015	MW-1119A	06/27/06	16:45	X		
GW-062706-JH-016	MW-119B	06/27/06	18:00	X		
GW-062706-JH-017	Trip Blank	06/27/06	--	X		

Notes:
- Not applicable.
TCL Target Compound List.
VOCs Volatile Organic Compounds.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
 GROUNDWATER SAMPLING EVENT - VOCs
 GENERAL MOTORS CORPORATION
 FAIRFAX SITE, KANSAS CITY, KANSAS
 JUNE 2006

Parameter	Analysis Date	Analyte	Blank Result	Sample ID	Sample Result	Qualified Result
VOCs	07/03/06	Acetone	4.5	GW-062606-JH-002	4.1 J	10 U
				GW-062706-JH-003	4.0 J	10 U
				GW-062706-JH-004	4.0 J	10 U
				GW-062706-JH-006	4.1 J	10 U
				GW-062706-JH-007	4.1 J	10 U
				GW-062706-JH-008	4.4 J	10 U
				GW-062706-JH-010	4.0 J	10 U
				GW-062706-JH-011	5.7 J	10 U
				GW-062706-JH-012	4.9 J	10 U
				GW-062706-JH-013	4.3 J	10 U
				GW-062706-JH-014	4.2 J	10 U
				GW-062706-JH-015	3.9 J	10 U
				GW-062706-JH-016	3.6 J	10 U

Notes:

- J Estimated.
 U Non-detect at associated value.
 VOCs Volatile Organic Compounds.

ATTACHMENT B
LABORATORY ANALYTICAL DATA



STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 12559-53

GM FAIRFAX SSOW# E095001
SDG #: 6F29104

Susan Scrocchi

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

SEVERN TRENT LABORATORIES, INC.

Denise D. Heckler
Project Manager

July 11, 2006

CASE NARRATIVE

6F29104

The following report contains the analytical results for sixteen water samples and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the GM Fairfax SSOW# E095001 Site, project number 12559-53. The samples were received June 28, 2006, according to documented sample acceptance procedures.

This SDG consists of laboratory lot ID: A6F290104.

STL 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.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL'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.

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 55.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.6°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch 6186488. 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.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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. 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. These 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.

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. 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. The only exception 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 below.)

<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 OF SW-846 METHODS (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. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

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.

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 repped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be repped 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.

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, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

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
(#6090), OhioVAP (#CL0024), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA
Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)



C:\DOCUME~1\armans\LOCALS~1\Temp\Narrative_040306.doc Revised 04/03/06 DJL

EXECUTIVE SUMMARY - Detection Highlights

A6F290104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-062606-JH-002 06/26/06 18:30 002				
Acetone	4.1 J,B	10	ug/L	SW846 8260B
GW-062706-JH-003 06/27/06 08:20 003				
Acetone	4.0 J,B	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.1	0.50	ug/L	SW846 8260B
GW-062706-JH-004 06/27/06 08:45 004				
Acetone	4.0 J,B	10	ug/L	SW846 8260B
GW-062706-JH-005 06/27/06 09:45 005				
cis-1,2-Dichloroethene	2.7	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.20 J	0.50	ug/L	SW846 8260B
Vinyl chloride	0.38 J	1.0	ug/L	SW846 8260B
GW-062706-JH-006 06/27/06 10:10 006				
Acetone	4.1 J,B	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.5	0.50	ug/L	SW846 8260B
Trichloroethene	1.3	1.0	ug/L	SW846 8260B
GW-062706-JH-007 06/27/06 11:05 007				
Acetone	4.1 J,B	10	ug/L	SW846 8260B
GW-062706-JH-008 06/27/06 11:40 008				
Acetone	4.4 J,B	10	ug/L	SW846 8260B
GW-062706-JH-009 06/27/06 13:00 009				
cis-1,2-Dichloroethene	4.9	0.50	ug/L	SW846 8260B
Trichloroethene	0.58 J	1.0	ug/L	SW846 8260B
GW-062706-JH-010 06/27/06 13:35 010				
Acetone	4.0 J,B	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4.9	0.50	ug/L	SW846 8260B
Trichloroethene	0.43 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A6F290104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-062706-JH-011 06/27/06 14:35 011				
Acetone	5.7 J,B	10	ug/L	SW846 8260B
Benzene	0.40 J	1.0	ug/L	SW846 8260B
GW-062706-JH-012 06/27/06 15:10 012				
Acetone	4.9 J,B	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.21 J	0.50	ug/L	SW846 8260B
GW-062706-JH-013 06/27/06 15:30 013				
Acetone	4.3 J,B	10	ug/L	SW846 8260B
GW-062706-JH-014 06/27/06 15:55 014				
Acetone	4.2 J,B	10	ug/L	SW846 8260B
GW-062706-JH-015 06/27/06 16:45 015				
Acetone	3.9 J,B	10	ug/L	SW846 8260B
GW-062706-JH-016 06/27/06 18:00 016				
Acetone	3.6 J,B	10	ug/L	SW846 8260B
GW-062706-JH-017 06/27/06 017				
Methylene chloride	0.62 J	1.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A6F290104

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

References:

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

SAMPLE SUMMARY

A6F290104

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H8E4T	001	GW-062606-JH-001	06/26/06	17:45
H8E42	002	GW-062606-JH-002	06/26/06	18:30
H8E43	003	GW-062706-JH-003	06/27/06	08:20
H8E45	004	GW-062706-JH-004	06/27/06	08:45
H8E46	005	GW-062706-JH-005	06/27/06	09:45
H8E47	006	GW-062706-JH-006	06/27/06	10:10
H8E49	007	GW-062706-JH-007	06/27/06	11:05
H8E5C	008	GW-062706-JH-008	06/27/06	11:40
H8E5D	009	GW-062706-JH-009	06/27/06	13:00
H8E5E	010	GW-062706-JH-010	06/27/06	13:35
H8E5F	011	GW-062706-JH-011	06/27/06	14:35
H8E5G	012	GW-062706-JH-012	06/27/06	15:10
H8E5H	013	GW-062706-JH-013	06/27/06	15:30
H8E5J	014	GW-062706-JH-014	06/27/06	15:55
H8E5K	015	GW-062706-JH-015	06/27/06	16:45
H8E5M	016	GW-062706-JH-016	06/27/06	18:00
H8E5N	017	GW-062706-JH-017	06/27/06	

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-062606-JH-001

GC/MS Volatiles

Lot-Sample #....: A6F290104-001 Work Order #....: H8E4T1AA Matrix.....: WG
 Date Sampled...: 06/26/06 17:45 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062606-JH-002

GC/MS Volatiles

Lot-Sample #....: A6F290104-002 Work Order #....: H8E421AA Matrix.....: WG
 Date Sampled...: 06/26/06 18:30 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.1 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	106	(73 - 122)		
1,2-Dichloroethane-d4	109	(61 - 128)		
Toluene-d8	96	(76 - 110)		
4-Bromofluorobenzene	98	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062606-JH-002

GC/MS Volatiles

Lot-Sample #....: A6F290104-002 Work Order #....: H8E421AA 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: GW-062706-JH-003

GC/MS Volatiles

Lot-Sample #....: A6F290104-003 Work Order #....: H8E431AA Matrix.....: WG
 Date Sampled...: 06/27/06 08:20 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.0 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	1.1	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-003

GC/MS Volatiles

Lot-Sample #....: A6F290104-003 Work Order #....: H8E431AA 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: GW-062706-JH-004

GC/MS Volatiles

Lot-Sample #....: A6F290104-004 Work Order #....: H8E451AA Matrix.....: WG
 Date Sampled....: 06/27/06 08:45 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.0 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	117	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-004

GC/MS Volatiles

Lot-Sample #....: A6F290104-004 Work Order #....: H8E451AA 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: GW-062706-JH-005

GC/MS Volatiles

Lot-Sample #....: A6F290104-005 Work Order #....: H8E461AA Matrix.....: WG
 Date Sampled....: 06/27/06 09:45 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	2.7	0.50	ug/L	0.21
trans-1,2-Dichloroethene	0.20 J	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	0.38 J	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-005

GC/MS Volatiles

Lot-Sample #....: A6F290104-005 Work Order #....: H8E461AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-006

GC/MS Volatiles

Lot-Sample #....: A6F290104-006 Work Order #....: H8E471AA Matrix.....: WG
 Date Sampled....: 06/27/06 10:10 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.1 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	3.5	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	1.3	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-006

GC/MS Volatiles

Lot-Sample #...: A6F290104-006 Work Order #...: H8E471AA 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: GW-062706-JH-007

GC/MS Volatiles

Lot-Sample #....: A6F290104-007 Work Order #....: H8E491AA Matrix.....: WG
 Date Sampled....: 06/27/06 11:05 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.1 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
Dibromofluoromethane	107	(73 - 122)		
1,2-Dichloroethane-d4	108	(61 - 128)		
Toluene-d8	95	(76 - 110)		
4-Bromofluorobenzene	93	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-007

GC/MS Volatiles

Lot-Sample #....: A6F290104-007 Work Order #....: H8E491AA 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: GW-062706-JH-008

GC/MS Volatiles

Lot-Sample #....: A6F290104-008 Work Order #....: H8E5C1AA Matrix.....: WG
 Date Sampled....: 06/27/06 11:40 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.4 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	105	(73 - 122)		
1,2-Dichloroethane-d4	106	(61 - 128)		
Toluene-d8	95	(76 - 110)		
4-Bromofluorobenzene	96	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-008

GC/MS Volatiles

Lot-Sample #....: A6F290104-008 Work Order #....: H8E5C1AA 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: GW-062706-JH-009

GC/MS Volatiles

Lot-Sample #....: A6F290104-009 Work Order #....: H8E5D1AA Matrix.....: WG
 Date Sampled....: 06/27/06 13:00 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	4.9	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	0.58 J	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-009

GC/MS Volatiles

Lot-Sample #: A6F290104-009 Work Order #: H8E5D1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-010

GC/MS Volatiles

Lot-Sample #....: A6F290104-010 Work Order #....: H8E5E1AA Matrix.....: WG
 Date Sampled....: 06/27/06 13:35 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.0 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	4.9	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	0.43 J	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-010

GC/MS Volatiles

Lot-Sample #....: A6F290104-010 Work Order #....: H8E5E1AA 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: GW-062706-JH-011

GC/MS Volatiles

Lot-Sample #....: A6F290104-011 Work Order #....: H8E5F1AA Matrix.....: WG
 Date Sampled....: 06/27/06 14:35 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	5.7 J,B	10	ug/L	0.74
Benzene	0.40 J	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-011

GC/MS Volatiles

Lot-Sample #....: A6F290104-011 Work Order #....: H8E5F1AA 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: GW-062706-JH-012

GC/MS Volatiles

Lot-Sample #....: A6F290104-012 Work Order #....: H8E5G1AA Matrix.....: WG
 Date Sampled....: 06/27/06 15:10 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.9 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	0.21 J	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	107	(73 - 122)		
1,2-Dichloroethane-d4	111	(61 - 128)		
Toluene-d8	92	(76 - 110)		
4-Bromofluorobenzene	98	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-012

GC/MS Volatiles

Lot-Sample #....: A6F290104-012 Work Order #....: H8E5G1AA 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: GW-062706-JH-013

GC/MS Volatiles

Lot-Sample #....: A6F290104-013 Work Order #....: H8E5H1AA Matrix.....: WG
 Date Sampled....: 06/27/06 15:30 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.3 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	112	(73 - 122)		
1,2-Dichloroethane-d4	110	(61 - 128)		
Toluene-d8	94	(76 - 110)		
4-Bromofluorobenzene	94	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-013

GC/MS Volatiles

Lot-Sample #....: A6F290104-013 Work Order #....: H8E5H1AA 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: GW-062706-JH-014

GC/MS Volatiles

Lot-Sample #....: A6F290104-014 Work Order #....: H8E5J1AA Matrix.....: WG
 Date Sampled....: 06/27/06 15:55 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.2 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	110	(73 - 122)		
1,2-Dichloroethane-d4	111	(61 - 128)		
Toluene-d8	95	(76 - 110)		
4-Bromofluorobenzene	96	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-014

GC/MS Volatiles

Lot-Sample #....: A6F290104-014 Work Order #....: H8E5J1AA 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: GW-062706-JH-015

GC/MS Volatiles

Lot-Sample #....: A6F290104-015 Work Order #....: H8E5K1AA Matrix.....: WG
 Date Sampled....: 06/27/06 16:45 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	3.9 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	110	(73 - 122)		
1,2-Dichloroethane-d4	109	(61 - 128)		
Toluene-d8	94	(76 - 110)		
4-Bromofluorobenzene	91	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-015

GC/MS Volatiles

Lot-Sample #....: A6F290104-015 Work Order #....: H8E5K1AA 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: GW-062706-JH-016

GC/MS Volatiles

Lot-Sample #....: A6F290104-016 Work Order #....: H8E5M1AA Matrix.....: WG
 Date Sampled...: 06/27/06 18:00 Date Received...: 06/28/06
 Prep Date.....: 07/04/06 Analysis Date...: 07/04/06
 Prep Batch #....: 6186463
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	3.6 J,B	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Dibromofluoromethane	103	(73 - 122)		
1,2-Dichloroethane-d4	110	(61 - 128)		
Toluene-d8	92	(76 - 110)		
4-Bromofluorobenzene	94	(74 - 116)		

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-016

GC/MS Volatiles

Lot-Sample #....: A6F290104-016 Work Order #....: H8E5M1AA 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: GW-062706-JH-017

GC/MS Volatiles

Lot-Sample #....: A6F290104-017 Work Order #....: H8E5N1AA Matrix.....: WQ
 Date Sampled....: 06/27/06 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186488
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
Bromomethane	ND	1.0	ug/L	0.36
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.19
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
Ethylbenzene	ND	1.0	ug/L	0.19
2-Hexanone	ND	10	ug/L	0.35
Methylene chloride	0.62 J	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.28
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-062706-JH-017

GC/MS Volatiles

Lot-Sample #....: A6F290104-017 Work Order #....: H8E5N1AA Matrix.....: WQ

NOTE(S) :

J Estimated result. Result is less than RL.

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A6F290104
MB Lot-Sample #: A6G050000-463

Work Order #...: H8PHN1AA

Matrix.....: WATER

Analysis Date...: 07/03/06
Dilution Factor: 1

Prep Date.....: 07/03/06

Prep Batch #...: 6186463

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	4.5 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	0.54 J	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	102	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A6F290104

Work Order #...: H8PHN1AA

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/MS Volatiles

Client Lot #....: A6F290104
MB Lot-Sample #: A6G050000-488

Work Order #....: H8PKT1AA

Matrix.....: WATER

Analysis Date...: 07/03/06
Dilution Factor: 1

Prep Date.....: 07/03/06

Prep Batch #....: 6186488

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	98	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: A6F290104

Work Order #....: H8PKT1AA

Matrix.....: WATER

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 #....: A6F290104 Work Order #....: H8PHN1AC Matrix.....: WATER
 LCS Lot-Sample#: A6G050000-463
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Benzene	99	(80 - 116)	SW846 8260B
Chlorobenzene	95	(76 - 117)	SW846 8260B
1,1-Dichloroethene	112	(63 - 130)	SW846 8260B
Toluene	94	(74 - 119)	SW846 8260B
Trichloroethene	104	(75 - 122)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	111	(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 #....: A6F290104 Work Order #....: H8PKT1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A6G050000-488 H8PKT1AD-LCSD
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186488
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	91	(80 - 116)			SW846 8260B
	91	(80 - 116)	0.50	(0-20)	SW846 8260B
Chlorobenzene	95	(76 - 117)			SW846 8260B
	92	(76 - 117)	2.8	(0-20)	SW846 8260B
1,1-Dichloroethene	86	(63 - 130)			SW846 8260B
	87	(63 - 130)	1.2	(0-20)	SW846 8260B
Toluene	98	(74 - 119)			SW846 8260B
	95	(74 - 119)	3.0	(0-20)	SW846 8260B
Trichloroethene	91	(75 - 122)			SW846 8260B
	92	(75 - 122)	0.26	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	108	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	104	(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 #....: A6F290104 Work Order #....: H8E491AC-MS Matrix.....: WG
 MS Lot-Sample #: A6F290104-007 H8E491AD-MSD
 Date Sampled...: 06/27/06 11:05 Date Received...: 06/28/06
 Prep Date.....: 07/03/06 Analysis Date...: 07/03/06
 Prep Batch #....: 6186463
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	102	(78 - 118)			SW846 8260B
	99	(78 - 118)	2.2	(0-20)	SW846 8260B
Chlorobenzene	97	(76 - 117)			SW846 8260B
	95	(76 - 117)	2.2	(0-20)	SW846 8260B
1,1-Dichloroethene	115	(62 - 130)			SW846 8260B
	113	(62 - 130)	1.7	(0-20)	SW846 8260B
Toluene	99	(70 - 119)			SW846 8260B
	95	(70 - 119)	4.9	(0-20)	SW846 8260B
Trichloroethene	107	(62 - 130)			SW846 8260B
	102	(62 - 130)	5.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
	101	(61 - 128)
Toluene-d8	102	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	107	(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

CHAIN-OF-CUSTODY / Analytical Request Form

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

PAGE 1 OF 2

ID # No. 00775

SSON Ref. Code: E095001

Required Client Information:

Company: **CREA** Report To: **Karen Bevilacqua**
 Address: **2371 George** Copy To: **Phil Harker**
1400 N.Y. 14043 Invoice To:
 Phone: **716-206-0202** Project Name: **GM Fairfax**
 Fax: **716-206-0201** Project Number: **12559-53**
 E-mail: **KB@creaqa.com**

Laboratory: **STL**
 Laboratory Location: **North Canton OH**
 Laboratory Contact: **Denise Harker**
 Requested Due Date: **2 weeks** TAT: **2 weeks**
 QA/QC Requirements: **MS/MSD, DNP**

Sample Identification:

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
1. GW-062606-JH-001		WG	6/26/06	1745	3	☒	☐	TCL-VOC	
2. GW-062706-JH-003		WG	6/27/06	1830	3	☒	☐		
3. GW-062706-JH-003		WG	6/27/06	820	3	☒	☐		
4. GW-062706-JH-004		WG	6/27/06	945	3	☒	☐		
5. GW-062706-JH-005		WG	6/27/06	945	3	☒	☐		
6. GW-062706-JH-006		WG	6/27/06	100	3	☒	☐		
7. GW-062706-JH-007		WG	6/27/06	1105	3	☒	☐		
8. GW-062706-JH-008		WG	6/27/06	1140	3	☒	☐		
9. GW-062706-JH-009		WG	6/27/06	1200	3	☒	☐		
10. GW-062706-JH-010		WG	6/27/06	1235	3	☒	☐		
11. GW-062706-JH-011		WG	6/27/06	1435	3	☒	☐		
12. GW-062706-JH-012		WG	6/27/06	1510	3	☒	☐		
13. GW-062706-JH-013		WG	6/27/06	1530	3	☒	☐		
14. GW-062706-JH-014		WG	6/27/06	1555	3	☒	☐		
15. GW-062706-JH-015		WG	6/27/06	1645	3	☒	☐		

TOTAL NUMBER OF CONTAINERS: **51**

SHIPMENT METHOD: **FEDEX** NO. OF COOLERS: **92661418** RELINQUISHED BY / AFFILIATION: **John Hargens CREA** DATE: **6/27/06** TIME: **2000** RECEIVED BY / AFFILIATION: **[Signature]** DATE: **6/28/06** TIME: **0920**

Sample Condition

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

Additional Comments:

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

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: CAH	Report To: Karen Berilacqua
Address: 2371 George	Copy To: Phil Harvey
Urban Blvd.	Invoice To:
Depew NY 14043	P.O.:
Phone: 716-206-0202	Project Name: G-M fairfax
Fax: 716-206-0201	Project Number: 12559-53
E-mail: K.Berilacqua	

PAGE **2** OF **2**

Laboratory: STL
Laboratory Location: North Canton OH
Laboratory Contact:
Requested Due Date: 2wks
QA/QC Requirements: mslmsd Daps Trip & Temp Blank

Analysis and Method

ID # **No 00776**

SSOW Ref Code: **E045001**

Sample Identification:

Valid Matrix Codes:
 WG Groundwater
 W/B 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:

TCL-VOC

Remarks/Lab ID

TOTAL NUMBER OF CONTAINERS

56 Total

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed-X	1	Saba Harveys	6/27/06	2000	[Signature]	6/29/06	0920
AIRBILL NO. 8568 9266 1418							

Sample Condition

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

Additional Comments:

Sampler Name:	Date:
Sampler Signature:	

STL Cooler Receipt Form/Narrative

Lot Number: NA390164

North Canton Facility

Client: CRAProject: GM FAIRFAXQuote#: 68187Cooler Received on: 6/28/06Opened on: 6/28/06by: [Signature] (Signature)Fedx ☒ Client Drop Off ☐ UPS ☐DHL ☐ FAS ☐ STL Courier ☐Stetson ☐ US Cargo ☐

Other: _____

STL Cooler No# 2297Foam 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 ☐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 ☐Yes ☐ No ☐5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐

Other: _____

6. Cooler temperature upon receipt 3.6 °C (see back of form for multiple coolers/temp)METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H₂O Slurry ☐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? (record below/on back) Yes ☐ No ☐ NA ☒Yes ☐ No ☐ NA ☒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 ☒ NA ☐Yes ☐ No ☒ NA ☐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 ☐Yes ☒ No ☐14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☒ NA ☐Yes ☐ No ☒ NA ☐Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

1. CHAIN OF CUSTODY

The following discrepancies occurred:

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 # 122805-HNO₃; Sulfuric Acid Lot # 100405-H₂SO₄; Sodium Hydroxide Lot # -100405 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH

Sample(s) _____

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

4. Other (see below or back)

Client ID

pH

Date

Initials

STL Cooler Receipt Form/Narrative			
North Canton Facility			
<u>Client ID</u>	<u>pH</u>	<u>Date</u>	<u>Initials</u>
<u>Cooler</u>	<u>Temp</u>	<u>Method</u>	<u>Coolant</u>
<u>Discrepancies Cont.</u>			

END OF REPORT